

PROPELLER LOG

1. Make HARTZELL
2. Model HC-C2YR-1BF
3. Specification No. P-920
4. Date of Manufacture _____
5. Hub Serial No. CH 37702B
6. Blades
 - (a) Design No. _____
 - (b) Blade Serial Nos.
 - (i) _____
 - (ii) _____
 - (iii) _____
 - (iv) _____
 - (v) _____
 - (c) Pitch Setting
 - (i) Basic _____
 - (ii) High _____
 - (iii) Low _____
 - (iv) Reverse _____

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

40.358 AS PER STC No. SA01850CH

[Signature]

DA
Q 13

Raytheon Aircraft	Cessna	 GALVIN FLYING <small>World Class People, First Class Service FAA Repair Station HUNR846E</small>	Honeywell	Bombardier	Mooney
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N543JW Hartzell Propeller S/N CH37702B Tach: 360.6 PTT: 360.6 10/20/2005

- 1 > Performed 100-hour inspection in accordance with FAR 91.409(b) and FAR43, Appendix (d), using Galvin Flying Service checklist. Approved for return to service.
- 2 > Dressed propeller blades as necessary. Approved for service at this time.

I certify that this propeller was inspected in accordance with a 100-hour inspection as per FAR 91.409(b) and was determined to be in an airworthy condition.

The above work performed on Galvin Flying Service, Inc. work order WPT 16217 is approved for return to service.

Date 10/20/05 Signature *[Signature]*

Galvin Flying Service, Inc.

6987 Perimeter Road, Seattle, WA 98108

Repair Station HUNR846E

N543JW Diamond DA40-180 s/n: 40.358 Hobbs: 360.6 PTT: 360.6 10-20-2005
Hartzell HC-C2YR-1BF CH37702B

1. I certify that this airframe has been inspected IAW an Annual inspection and was found to be in an airworthy condition. Next due 10/31/2006.

Ryan Gallagher AP539985134IA Signature *[Signature]*

Bombardier Cessna Honeywell  Diamond Raytheon Aircraft

FAA Repair Station
HUNR846E

N543JW Diamond DA40 S/N: 40.358 G1000 time: 459.8 Hobbs: 577.5 06/16/06
Hartzell: HC-C2YR-1BF S/N: C 7702B

- 1 > Performed a *Propeller Annual inspection* in accordance with FAR 91.409(a) and FAR 43, Appendix (d), using Galvin Flying Service checklist.

I certify that the items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations with respect to the work performed. Pertinent details of this work are on file at Galvin Flying Services, Inc. under Work Order No. 16347

Signed *[Signature]* Date 10/16/06

Galvin Flying Services, Inc.
6987 Perimeter Road, Seattle, WA 98108.
Repair Station HUNR846E

FAA Repair Station
HUNR846E

N543JW A/C S/N: DA40-180 AC TT: 555.3 AC TC Date: 28 September 2006

PROPELLER

3.1 Perform propeller Annual/100-hour inspection in accordance with FAR 91.409(b) and FAR43, Appendix (d), using Galvin Flying Service checklist. Performed propeller Annual/100-hour inspection in accordance with FAR 91.409(b) and FAR43, Appendix (D), using Galvin Flying Service checklist.

I certify that the items identified above were repaired and or inspected in accordance with current Federal Aviation Regulations. Pertinent details of this work are on file at the Repair Station under Work Order No. 16947.

Signed *[Signature]* Date 28 SEPTEMBER 2006

Galvin Flying Services, Inc.
6987 Perimeter Road, Seattle, WA 98108.
Repair Station HUNR846E

PROPELLER SERVICE AND

	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

Bombardier
Cessna
Diamond
Honeywell
Hawker/Beech



N543JW DIAMOND DA-40 S/N: 40.358 Prop TT: 697.0 TACH: 697.0 HOBBS: 906.1 DATE: OCT.5,2007

PROPELLER

- Performed Annual Inspection of propeller IAW FAR 91.409(a) and FAR43 Appendix (D) using Galvin Flying Services checklist.

I certify that the items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations, and are being returned to service with respect to work performed. Pertinent details of this work are on file at the Repair Station under Work Order No. 18888.

Signature [Signature] 005 Date Oct. 5, 2007

Galvin Flying Services, Inc.
6987 Perimeter Road, Seattle, WA 98108.
Repair Station HUNR846E

Bombardier
Cessna
Diamond
Honeywell
Hawker/Beech



N543JW Diamond DA40 SN: 40.358 AC Tach Time: 817.0 Hobbs: 1059.8 September 26, 2008
Hartzell HC-C2YR-1BF Prop. SN: 817.0 TSN: 817.0

PROPELLER

Inspection Items & AD/SB Compliance

1. Complied with Annual Inspection IAW FAR 91.409(a) and FAR43 Appendix (D) using Galvin Flying Services checklist.

I certify that the items and/or aircraft identified above were inspected in accordance with an Annual/ 100-hour Inspection, and/or current Federal Aviation Regulations, and are approved for return to service. Pertinent details of this work are on file at the Repair Station under Work Order No. 20586.

Signed [Signature] 001 Date 9/26/2008

Galvin Flying Services, Inc.
6987 Perimeter Road, Seattle, WA 98108.
Repair Station HUNR846E

Bombardier
Cessna
Diamond
Honeywell
Hawker/Beech



N543JW Diamond DA-40 SN: 40358 Tach: 869.2 Hobbs: 1134.1 February 5, 2009

PROPELLER

1. Performed 50-hour service IAW Galvin Flying Services checklist.

I certify that the items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations, and are approved for return to service with respect to work performed. Pertinent details of this work are on file at the Repair Station under Work Order No. 20946.

Signature [Signature] 001 Date 2/5/2009

Galvin Flying Services, Inc.
7001 Perimeter Road, Ste 106
Seattle, WA 98108
Repair Station HUNR846E

MAINTENANCE RECORD

Bombardier

Cessna

Diamond



Honeywell

Hawker/Beech

ENTRIES. C

N543JW Hartzell HC-C2YR-1BF s/n CH37702B PTT: 912.8 Tach: 912.8 ACTT: 912.8 Hobbs: 1193.2 April 22, 2009
PROPELLER

- Performed 100-Hour Inspection of propeller IAW FAR 91.409(b) and FAR43 Appendix (D) using Galvin Flying Services checklist. Performed ground run, leak and functional checks- normal.

I certify that the items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations, and are approved for return to service with respect to work performed. Pertinent details of this work are on file at the Repair Station under Work Order No. 21103.

Galvin Flying Services, Inc.
7001 Perimeter Road, Ste 106
Seattle, WA 98108.
Repair Station HUNR846E

Signature [Signature] 005 Date APR. 22, 2009

N543JW Hartzell HC-C2YR-1BF s/n CH37702B Tach: 962.3 Hobbs: 1263.3 June 2, 2009

PROPELLER

- Performed 50-hour service IAW Galvin Flying Services checklist.
- Dressed propeller leading edge nicks and rain erosion, ref. Hartzell Owner's Manual.

I certify that the items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations, and are approved for return to service with respect to work performed. Pertinent details of this work are on file at the Repair Station under Work Order No. 21109.

Galvin Flying Services, Inc.
7001 Perimeter Road, Ste 106
Seattle, WA 98108.
Repair Station HUNR846E

Signature [Signature] 005 Date JUNE 2, 2009

8/06/09 N543JW Hartzell HC-C2YR-1BF S/N CH37702B Tach: 1009.0 & TTProp

Complied with Annual Inspection in accordance with FAR 91.409(b) and FAR 43 appendix D.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Pertinent details of this work are on file at American Avionics under WO# 59213.

Signature [Signature] A&P 538984158

01/07/2010 N543JW Hartzell HC-C2YR-1BF S/N CH37702B Tach: 1109.0

Performed 100 Hour inspection in accordance with FAR 91.409(b) and FAR 43 appendix D.

I certify that this propeller has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

Signature [Signature] A&P 2806402

12/01/2010 TT:1162.7 TTP:1162.7 N543JW

Hartzell HC-C2YR-1BF S/N:CH37702B

Performed a ANNUAL inspection IAW Far.91.409(a) and Far.43 App.D.

Lubed Propeller with Aeroshell 6 IAW Hartzell MM.

I certify this PROPELLER has been inspected IAW a ANNUAL inspection and was found to be in airworthy condition.

Signature [Signature]
Joe Pensula A&P3347822IA

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	RS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

2/3/12 N543JW Mod#: HC-C2YR-1BF Hub Ser#: CH37702B TTP: 1206.9

Dress propeller blades

R. Rotax AP9466634

SD Air Service Corp.
Rutland State Airport, North Clarendon VT 05759
802-775-0205

February 25, 2013 Tach: 1256.1 TTP: 1256.1

Remove spinner. Inspect propeller I.A.W Diamond DA 40 service manual and Annual inspection check list, and was determined to be in airworthy condition at this time. -----

R. Rotax
R. Rotax 26830541A

*Log entries
IN ERROR & removed.
James Collette OLSFEBHVP470K
1/22/14*

Revision Date: 4/10/2011

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY WIO# 201305371

Date 1/22/14 Acft Id 543JW SMOH N/A
Hobbs 1702 Tach 1284 TT 1284

I certify that this Prop has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. *R. Rotax* CRP# BAURATOK

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

PROPELLER SERVICE AND

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS,

DATE	TIME RUN		TOTAL TIME	
	HRS.	MIN.	HRS.	MIN.

BROUGHT FORWARD

CAE MAINTENANCE ACTION LOG ENTRY

WIO# 201403578

Date 7-1-14 Act Id NS43JW SMOH N/A

Hobbs 2080 Tach 290 PT 1577

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. *[Signature]* #R4V2470A
Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY

WIO# 201405065

Date 9/6/14 Act Id NS43JW SMOH N/A

Hobbs 2,214 Tach 309 TT 1,676

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. *[Signature]* #R4V2470A
Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY

WIO# 201405601

Date 10/1/14 Act Id NS43JW SMOH N/A

Hobbs 2,345 Tach 489 TT 1,775

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. *[Signature]* #R4V2470A
Revision Date: 4/10/2013

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY W/O# 201406158

Date 11/2/14 Acft Id N543JW SMOH N/A

Hobbs 2476 Tach 588 TT 1,874

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. M. J. [Signature] CRSA# B4VR470K

Revision Date: 12/17/14

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY W/O# 2014-06729

Date 12/17/14 Acft Id N543JW SMOH N/A

Disc. W.O.# 2014-06730 Tach 687 TT 1974

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. Jenna Colella CRSA# B4VR470K

Revision Date: 12/18/14

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY W/O# 201500165

Date 1-15-15 Acft Id 543JW SMOH N/A

Disc. W.O.# 00166 Tach 787 TT 2073

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. Dave Wagner CRSA# B4VR470K

Revision Date: 12/16/2014

Revision Date: 12/16/2014

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY W/O# 201500623

Date 2-9-15 Acft Id 543JW SMOH N/A

Disc. W.O.# 00624 Tach 886 TT 2173

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. Dave Wagner CRSA# B4VR470K

RS.

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS <small>ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
6-8-15 5433W TACH 1284.4 TT 2570.9		
SMOH 0.0 w/o 2880.		
<p>I certify that this propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.</p> <p style="font-size: 1.2em; font-weight: bold;">AP2759627</p>		

MAINTENANCE ACTION LOG ENTRY

100 HR INSPECTION ENTRY W/O# 2990

Date 7-17-15 Acft Id 5433W Tach 1303.4

Disc. W.O.# N/A TT 2669.9 SMOH NA

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Insp. Sign. & Cert. No. [Signature] AP2726565

100 Hour Inspection Entry

NIO# 201503944 Disc. W.O.# 201503945

Date: 8-26-15 Aircraft #: 5433W AFTT: 2769

Tac 1: 1482 TT: 2769 SMOH: NA

I certify that this Propeller has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Inspector Signature [Signature] CRS# B4VR47OK

100 Hour Inspection Ent:

W/O# 201504499 Disc. W.O.# N/A

Date: 09-29-15 Aircraft #: 5433W AFTT: 2869.1

Tach: 1582.6 TT: 2869.1 SMOH: N/A

I certify that this PROPELLER has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.

Inspector Signature [Signature] AP 3719310

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

16 NOV 2015 TSN 2968 TSO 0.0
Overhauled, functional tested and
static balanced. Refer to WO # 11695
and 8130-3 # 35984 for details.



Brooke Warner

Brooke Warner
Warner Propeller & Governor Co., LLC
FAA CRS # W59R659N



CAE Maintenance Action Log Entry

Date 2/29/2016 Acft N# N4189L
W/O# 2016 00905

Tach 7708.3 AFTT 7708.3

TT 2968.7 SMOH 0

Description of work: INSTALLED THIS PROP P/W
HC-COYR-18F S/N CH377028 LAW
HARTZEL, OWNERS MANUAL SECTION 3.
OPS AND LEAK CHECK, WERE SATISFACTORY.

This Aircraft is Approved for Return to Service for the Work Performed.

Signature *Bud Ginn* CRS # B4VR470K

MAINTENANCE RECORD

02/22/2016 - ARIZONA AIRCRAFT PAINTING
4911 E FALCON DR. MESA, AZ 85215 (480) 969-5034

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN

AC Make: A/A AC S/N: 1/A Reg #: 1/A AC Tach: 1/A
AC Total Time: 1/A

Prop Model: HC-C2YR-IBF—Prop S/N:CH37702B—Prop TT: 2969.1

Painted IAW CAE/ Oxford Aviation prop paint guidelines. Not static or dynamic balanced at this time.

For continued airworthiness see MFG instructions on balancing requirements.

Signed: Steven Spanos
Steven Spanos A&P # 3794807



100 Hour Inspection Entry

Date: 2/25/2016 Aircraft N#: N4189U

W/O# 2016 00904 Disc. W/O.# 2016 00905

Tach 7708.3 AFTT 7708.3

P TT 2968.1 SMOH 34

I certify that this PROPELLER has been inspected in accordance with a 100 HR inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature Paul Gunn CRS# B4VR470K



100 Hour Inspection Entry

Date: 4/15/2016 Aircraft N#: N4189U

W/O# 2016 01617 Disc. W/O.# 2016 01618

Tach 7807.3 AFTT 7807.3

P TT 3067.0 SMOH 99.0

All AD's researched through ATP and BI-Weekly 2016-07

I certify that this PROPELLER has been inspected in accordance with a 100 HR inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature Paul Gunn CRS# B4VR470K



Annual Inspection Entry

Date: 5.31.2016 Aircraft N#: 4189U

W/O# 2016 02364 Disc. W/O.# 2016 02365

Tach 7906.7 AFTT 7906.7

P TT 3166.4 SMOH 198.4

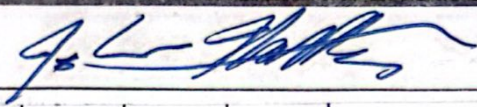

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2016-11 for this Propeller

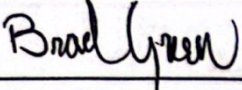

I certify that this Propeller has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.



This Aircraft is Approved for Return to Service for the Work Performed.



Inspector Signature Matthew Feller CRS# B4VR470K


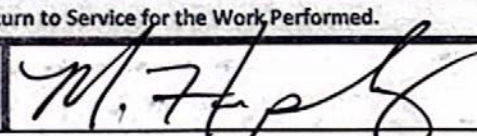
_____ HOURS.


N#	1189U	Propeller – 100 Hour Inspection		KFF-M-F125 REV -			
Date:	7/26/15	Aircraft S/N:	768	Aircraft MFG:	Diamond	Aircraft Model:	DA40-180
AFTT:	8006.3	TACH TIME:	8006.3	INSPECTION WORK ORDER#:	2016 03333	DISCREPANCY WORK ORDER#:	2016 03334
Engine T.T.:	4035.4	Engine SMOH:	2038.5	Propeller T.T.:	3266	Propeller SMOH:	298
Maintenance/Repairs Performed							
<ul style="list-style-type: none"> Complied with the 200 hr inspection IAW CAE FORM KFF-M-F322. 							
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through				2016-15	for this Propeller.		
I certify that this Propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.							
This Aircraft is Approved for Return to Service for the Work Performed.							
Inspector Signature: 				CRS#B4VR470K			


N#	N4189U	Propeller – 100 Hour Inspection		KFF-M-F115 REV -			
Date:	8/22/2016	Aircraft S/N:	40.768	Aircraft MFG:	Diamond	Aircraft Model:	DA40-180
AFTT:	8103.6	TACH TIME:	8103.6	INSPECTION WORK ORDER#:	2016 03834	DISCREPANCY WORK ORDER#:	2016 03835
Engine T.T.:	4132.7	Engine SMOH:	2135.8	Propeller T.T.:	3363.3	Propeller SMOH:	395.3
Maintenance/Repairs Performed							
<ul style="list-style-type: none"> Complied with the 100 hr inspection IAW CAE FORM KFF-M-F321. 							
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through				2016-17	for this Propeller.		
I certify that this Propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.							
This Aircraft is Approved for Return to Service for the Work Performed.							
Inspector Signature: 				CRS#B4VR470K			

N#	4189U	Propeller – 100 Hour Inspection		KFF-M-F115 REV -			
Date:	9/18/2016	Aircraft S/N:	40.768	Aircraft MFG:	Diamond	Aircraft Model:	DA-40
AFTT:	8203.0	TACH TIME:	8203.0	INSPECTION WORK ORDER#:	2016 04248	DISCREPANCY WORK ORDER#:	2016 04249
Engine T.T.:	4232.1	Engine SMOH:	2235.2	Propeller T.T.:	3462.7	Propeller SMOH:	494.7
Maintenance/Repairs Performed							
<ul style="list-style-type: none"> Complied with the 200 hr inspection IAW CAE FORM KFF-M-F322. 							
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through				2016-18	for this Propeller.		
I certify that this Propeller has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.							
This Aircraft is Approved for Return to Service for the Work Performed.							
Inspector Signature: 				CRS#B4VR470K			

Maintenance Action Entry			KFF-M-F117 REV.
N#	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
4189U	40.768	Diamond	DA40-180
AFTT:	TACH TIME:	WORK ORDER#:	Date:
8243.8	8243.8	2016 04435	09.28.2016
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
4272.9	2276.0	3503.5	535.5
Maintenance/Repairs Performed			
<ul style="list-style-type: none"> Removed defective Battery PN RG24-15M SN 40733146 and installed serviceable battery PN RG25-15M SN 40712206 IAW DA40 AMM CH 24-30-00. 			
This Aircraft is Approved for Return to Service for the Work Performed.			CRS#B4VR470K 
Inspector Signature:			

Reg#	N4189U	100 Hour Inspection		KFF-M-F115 REV. 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
10/11/2016	40.768	Diamond	DA-40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8299.4	8299.4	2016 04628	2016 04629	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4328.5	2331.6	3559.1	591.1	
Maintenance/Repairs Performed				
<ul style="list-style-type: none"> Complied with the 100 hr inspection IAW CAE FORM KFF-M-F321. C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 34201 NEXT DUE AFTT: 8399.4 Replaced engine intake air filter PN#FR-08504 IAW DA40-180 AMM CH 71-50-00 Removed Timed-out Slick RH Magneto PN#4370 SN#(14120776) and installed new Slick RH Magneto PN#4370 SN#(13090578) IAW Lycoming IO-360-M1A OHM CH 72-60-03. 				
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through			2016 for this Aircraft.	
I certify that this Aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.				
This Aircraft is Approved for Return to Service for the Work Performed.				CRS#B4VR470K 
Inspector Signature:				

Reg#	N189U	100 Hour Inspection		KFF-M-F115 REV - 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
11/6/2016	40.768	Diamond	DA40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8396.8	8396.6	2016 04971	2016 04972	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4425.9	2429.0	3656.5	688.5	
Maintenance/Repairs Performed				
<ul style="list-style-type: none"> Complied with the 200 hr inspection IAW CAE FORM KFF-M-F322. Engine Cylinders Compression: #1- (70) Psi #2- (76) Psi #3- (76) Psi #4- (78) Psi C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8496.8 Replaced co-pilot firewall to bellcrank rudder cable pair with new cable PN:SF12579Stretched,eyelets PN:DS-TH1-32-12 and swages PN:SL2-4P. Swaged cable IAW AC 43.13-1B. Rigged and adjusted rudder travel IAW Diamond DA40-180 AMM Ch 06-00 and 27-20. Operational and travel check satisfactory. 				
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through		2016-22	for this Aircraft.	
I certify that this Aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.				
This Aircraft is Approved for Return to Service for the Work Performed.				
Inspector Signature: <i>Brad Gunn</i>		CRS#B4VR470K		

Reg#	N4189U	100 Hour Inspection		KFF-M-F115 REV - 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
12/4/2016	40.768	Diamond	DA-40	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8494.6	8494.6	2016 05359		
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4523.7	2526.8	3754.3	786.3	
Maintenance/Repairs Performed				
<ul style="list-style-type: none"> Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123. Engine Cylinders Compression: <ul style="list-style-type: none"> #1- (77) Psi #2- (78) Psi #3- (78) Psi #4- (78) Psi C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8594.6 				
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through		2016-24	for this Aircraft.	
I certify that this Aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.				
This Aircraft is Approved for Return to Service for the Work Performed.				
Inspector Signature: <i>[Signature]</i>		CRS#B4VR470K		

MAINTENANCE RECORD

Reg#	N4189U	Annual Inspection		KFF-M-F115 REV - 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
1/6/2017	40.768	Diamond	DA40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8593.3	8593.3	2017 00053	2017 0054	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4622.4	2625.5	3853.0	885.0	


Maintenance/Repairs Performed

- Complied with the Annual Inspection IAW CAE FORM KFF-M-F123.
- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1- (78) Psi #2- (78) Psi #3- (78) Psi #4- (78) Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8693.3
- This ELT System was inspected in accordance with FAR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with (Manual E-04/ Revision 1.6).
 Battery Expiration Date for ELT Transmitter is: (03 / 2023).
 Remote switch battery if applicable, expires: (03 / 2018).
 Next ELT Annual Inspection due: (01 / 2018).
 ELT Registration if applicable : (NA).
- Replaced engine intake air filter PN#FR-08504 IAW DA40-180 AMM CH 71-60-00.

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2017-01 for this Aircraft.

I certify that this Aircraft has been Inspected In accordance with an Annual Inspection and was determined to be In an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.


Inspector Signature: <i>Bud Egan</i>	CRS#B4VR470K	
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Maintenance Action Entry			KFF-M-F117 REV.
N#	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
4189U	40.768	Diamond	DA40
AFTT:	TACH TIME:	WORK ORDER#:	Date:
8656.2	8656.2	2017-00331	1/27/2017
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
4685.3	2688.0	3915.9	947.9

Maintenance/Repairs Performed

- Installed repaired fuel tank p/n DA4-1817-10-00_1-MOD, s/n 16LY07048C/2426 IAW DA40 AMM section 28-10-00.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature: <i>S. H. H.</i>	CRS#B4VR470K	
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↑ Revised Entry Dated 1-27-17 is on page # 9

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

Maintenance Action Entry			KFF-M-F117 REV.
N#	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
N4189U	40.768	Diamond	DA-40-180
AFTT:	TACH TIME:	WORK ORDER#:	Date:
	8658.7	2017 00402	1/27/2017
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
4687.8	2690.9	3918.4	950.4

Maintenance/Repairs Performed

- Removed broken DME antenna P/N CI-105 S/N 30506 and installed new antenna P/N CI-105 S/N 80308 IAW DA40-180 AMM Ch 34-54-00.
- Complied with fire extinguisher annual maintenance IAW Diamond DA-40-180 A.M.M. 26-00-00 and Amerex Owners Service Manual No. 05602. Fire Extinguisher Manufacture Date: 2014 Next Due: 01/27/2018

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature:

M. Murphy

CRS#B4VR470K



Reg#	N4189U	100 Hour Inspection		KFF-M-F115 REV - 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
2/4/2017	40.768	Diamond	DA40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8692.2	8692.2	2017 00517	2017 00518	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4721.3	2724.4	3651.9	983.9	

Maintenance/Repairs Performed

- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1-(72/80)Psi #2-(70/80)Psi #3-(71/80)Psi #4-(73/80)Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8792.2.
- Replaced alternator brushes p/n ALE1013AS IAW Hartzell Owners Manual OE-A2 Rev. 5. Ground ops. on satisfactory.
- Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1034 grams. Next Due AFTT: 8792.2
- Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00. Next Due: 03/06/2017.
- Replaced fire extinguisher in lieu of 6 year teardown and performed annual inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1034 grams. Fire Extinguisher Manufacture Date: 2014 Next Due: 12/31/2020 *2019*
- Complied with fire extinguisher annual maintenance IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1034 grams. Fire Extinguisher Manufacture Date: 2014. Next Due: 02/04/2018.
- Removed Timed-out Slick LH Magneto PN#4347 SN#(13111087) and installed (repaired) Slick LH Magneto PN#4347 SN#(15091039) IAW Lycoming IO-360-M1A OHM CH 72-60-03.
- Removed and removed damaged spinner bulkhead (p/n C-2294-SP S/N 1304724) and replaced w/ inspected spinner bulkhead (p/n C-2294-SP s/n 1505217) and reinstalled propeller IAW DA40-180 AMM 61-00-00 and Hartzell OM 115N 61-00-15. Blade track good.

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through

2017-02

for this Aircraft.

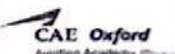
I certify that this Aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

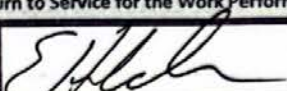

Inspector Signature:



Bud Spina

CRS#B4VR470K



MAINTENANCE RECORD

Maintenance Action Entry			KFF-M-F117 REV.
N#	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
4189U	40.768	Diamond	DA40
AFTT:	TACH TIME:	WORK ORDER#:	Date:
8656.2	8656.2	2017 00331	1/27/2017
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
4685.3	2688.4	3915.9	947.9
Maintenance/Repairs Performed			
<ul style="list-style-type: none"> Installed repaired fuel tank p/n DA4-2817-10-00_1-MOD, s/n 16LY07048C/2426 IAW DA40 AMM section 28-10-00. Removed part/N DA4-2817-10-00_1-MOD, SN CS0704619. 			
This Aircraft is Approved for Return to Service for the Work Performed.			
Inspector Signature:		CRS#B4VR470K	

Reg#	N4189U	100 Hour Inspection		KFF-M-F115 REV. 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
3/3/2017	40.768	Diamond	DA-40	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8788.4	8788.4	2017 00963	2017 00964	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4817.5	2820.6	4048.1	1080.1	
Maintenance/Repairs Performed				
<ul style="list-style-type: none"> Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123. Engine Cylinders Compression: #1-(76/80)Psi, #2-(77/80)Psi, #3-(77/80)Psi, #4-(76/80)Psi C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 3-... NEXT DUE AFTT: 8888.4 Removed Timed-out Slick RH Magneto PN#4370 SN#(13090578) and installed (repaired) Slick RH Magneto PN#4370 SN#(15121037) IAW Lycoming IO-360-M1A OHM CH 7: ... 03. Complied with fire extinguisher 30 Day visual inspection IAW Dia. ... 60 A.M.M. Ch. 26-00-00. Next Due: 04/02/2017 Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1034 grams. Next Due AFTT: 8888.4 Performed hidden damage inspection of the tail from possible tail strike as needed IAW ... 10 AMM ch. 51-10-00. 				
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through		2017-04	for this aircraft.	
I certify that this Aircraft has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.				
This Aircraft is Approved for Return to Service for the Work Performed.				
Inspector Signature:		CRS#B4VR4		

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

MAINTENANCE RECORD

Reg#	4189U	100 Hour Inspection		KFF-M-F115 REV - 1	CE ER		
Date:	4/21/2017	Aircraft S/N:	40.768	Aircraft MFG:		Diamond	Aircraft Model:
AFTT:	8984.8	TACH TIME:	8984.8	INSPECTION WORK ORDER#:	2017 01660	DISCREPANCY WORK ORDER#:	2017 01661
Engine T.T.:	5013.9	Engine SMOH:	3017.0	Propeller T.T.:	4244.5	Propeller SMOH:	1276.5

Maintenance/Repairs Performed

- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1-(75 /80)Psi #2-(77 /80)Psi #3-(77 /80)Psi #4-(78 /80)Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 9084.8
- CW AD 2017-04-06. AD is NA due to serial range. SN 464776 is installed and not applicable per United Instruments INC SB No 13 Rev Mar 25, 2016.
- Replaced engine intake air filter PN#FR-08504 IAW DA40-180 AMM CH 71-60-00.
- Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1034 grams. Next Due AFTT: 9084.8
- Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00. Next Due: 05/21/2017
- C/W Oil And Filter Change at 100 Hr. Done IAW (L)IO-360-M1A Maint/ O/H Manual Ch 72-50-00. Oil sample taken and sent to ALS Global.

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2017-08 for this Aircraft.

I certify that this Aircraft has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature:  CRS#B4VR470K 


5-15-2017
AFTT 9042.6
PTT 4302.3
SMOH 1324.3
WO 2017 02012

This propeller was removed at this date in serviceable condition during an engine change.

4189U

CRS# B4VR470K

PROPELLER SERVICE AND

DATE	07 JUN 2017 TSN 4302.6 TSO 1334.3	RELATIONS, INSPECTIONS,
BROUGH FORWAR	Flushed and functional tested.	D AS MANY LINES AS REQUIRED FOR COMPLETE
	Repaired WO # 12673	
	and 9-3 # 37195 for details.	
	 Bruce Warner Warner Propeller & Governor Co. LLC FAA CRS # W59R659N	

Reg#	N4191M	Annual Inspection	KFF-M-F115 REV. 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
8/17/2017	40.769	DIAMOND	DA-40-180
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:
8670.9	8670.9	2017 03598	2017 03599
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
4829.5	2829.5	4302.6	1334.3

Maintenance/Repairs Performed

- Complied with the Annual Inspection IAW CAE FORM KFF-M-F123.
- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1-(75/80)Psi #2-(70/80)Psi #3-(70/80)Psi #4-(76/80)Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8770.9
- Replaced alternator brushes p/n ALE1013AS IAW Hartzell Owners Manual OE-A2 Rev. 5. Ground operation satisfactory.
- Removed Emergency Battery PN: D60-2560-91-00 SN: 15-152-4 and installed PN: D60-2560-91-00 SN: 17-180-24 IAW DA 40 AMM Ch 24-32-00. NEXT DUE: 08/16/2019
- Emergency Battery Pack Expiry Date: 03/2027
- Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00. Next Due: 09/16/2017
- Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1020 grams. Next Due AFTT: 8770.9
- C/W Oil And Filter Change at 100 Hr. Done IAW (L)IO-360-M1A Maint/ O/H Manual Ch 72-50-00. Oil sample taken and sent to ALS Global.
- Removed leaking prop p/n HC-C2YR-1BF s/n CH38133B and installed repaired prop p/n HC-2CYR-1BF s/n CH37702B IAW DA40-180AMM ch 61-00-00.
- Performed dynamic balance of the propeller IAW ACES System INSC 1000-0M-01. Found prop balance within limits at .05 IPS. No weight added, no further action taken.
- Removed spinner backplate p/n C-2294-5P and installed Inspected spinner backplate p/n C-2294-5P IAW Hartzell owners manual ch 61-00-00. Old backplate s/n BB-1004B. Inspected backplate s/n 1603784

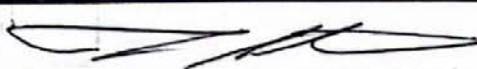

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through

2017-16

for this Aircraft.

I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature:		CRS#B4VR470K	
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Reg#	N4191M	100 Hour Inspection		KFF-M-F115 REV-1			
Date:	9/18/2017	Aircraft S/N:	40.769	Aircraft MFG:	DIAMOND	Aircraft Model:	DA40-180
AFTT:	8762.5	TACH TIME:	8762.5	INSPECTION WORK ORDER#:	2017 04057	DISCREPANCY WORK ORDER#:	2017 04058
Engine T.T.:	4921.1	Engine SMOH:	2921.1	Propeller T.T.:	4394.2	Propeller SMOH:	1425.9

Maintenance/Repairs Performed

- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1-(75/80)Psi #2-(69/80)Psi #3-(73/80)Psi #4-(76/80)Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8862.5
- Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1020 grams. Next Due AFTT: 8862.5
- Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00. Next Due: 10/17/2017
- Cleaned Fuel Injector Nozzles IAW (L)IO-360-M1A Maint/Overhaul Manual Ch. 73-10-01C.
- C/W Oil And Filter Change at 100 Hr. Done IAW (L)IO-360-M1A Maint/ O/H Manual Ch 72-50-00. Oil sample taken and sent to ALS Global.

Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through

2017-18

for this Aircraft.

I certify that this Aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature:

Bruce Giam

CRS#B4VR470K



<i>Not Used</i>	
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MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS, OR LIFE

PROPELLER SERVICE AND

Reg# 1191M	100 Hour Inspection		KFF-M-F115 REV - 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
10/20/2017	40.769	Diamond	DA40-180
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:
8861.2	8861.2	2017 04606	2017 04607
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
5019.8	3019.8	4492.9	1524.6

Maintenance/Repairs Performed

- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1-(75/80)Psi #2-(67/80)Psi #3-(68/80)Psi #4-(75/80)Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT:8961.2
- Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 26-00-00. Fire Extinguisher Weight: 1020 grams. Next Due AFTT: 8961.2
- Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00. Next Due:11/19/2017
- Removed Timed-out Slick LH Magneto PN#4347 SN#13060748 and installed repaired Slick LH Magneto PN#4347 SN#15080665 IAW Lycoming IO-360-M1A OHM CH 72-60-03.
- Removed Timed-out Slick RH Magneto PN#4370 SN#16010572 and installed repaired Slick RH Magneto PN#4370 SN#15100652 IAW Lycoming IO-360-M1A OHM CH 72-60-03.
- C/W Oil And Filter Change at 100 Hr. Done IAW (L)IO-360-M1A Maint/ O/H Manual Ch 72-50-00. Oil sample taken and sent to ALS Global.


141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through

2017-21 for this Aircraft.

I certify that this Aircraft has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

This Aircraft is Approved for Return to Service for the Work Performed.

Inspector Signature:



CRS#B4VR470K



WO#: 2017 04997

Date Started: 12 NOV 2017
Date Completed: 13 NOV 2017

Reg#: 4191M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 8960.1



Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 8960.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5118.7
LT Prop T.T.: 4591.8

Description of Work to be Performed

- 1) 100 Hour Inspection (18 Hr) (AFTT) 1 of 2
2) Annual Inspection (18 Hr) (Date) 2 of 2

Maintenance/Repairs Performed

1) 100 Hour Inspection (18 Hr) (AFTT) 1 of 2

AIRFRAME:
I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi Weekly Checked Through 2017-22 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: #1-(75/80)Psi #2-(72/80)Psi #3-(72/80)Psi #4-(72/80)Psi

2) Annual Inspection (18 Hr) (Date) 2 of 2

AIRFRAME:

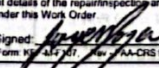
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi Weekly Checked Through 2017-22 for this aircraft.

Labor

Van Dyke, L.	8.0	007.5	Warr, C.	3.3	001.14	Gale, D.	5.4	005.20	Rowland, J.	1.9	001.10
19.5 18:25											

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy Phoenix Inc. filed under this Work Order.

Date: 11/13/17 Signed: 
5030 East Hancock Mesa AZ 85215 Form KFF-M-F107 Rev. 10-15-17 FAA-CRS B4VR470K

Work Order Totals

Labor	1,843.33
Parts	0.00
TOTAL:	1,843.33

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS, ETC. ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

WO#: 2017 05685

Date Started: 28 DEC 2017

Date Completed: 30 DEC 2017

Reg#: 4191M
AC S/N: 40789
MFG: DIAMOND
Model: DA-40
AC Tach Time: 9074.0

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA CRS B4VR470K

A/C Total Time: 9074.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5232.8
LT Prop T.T.: 4705.7

Description of Work to be Performed

- 1) 10000 HRS 100 Hour Progressive Inspr
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) 10000 HRS 100 Hour Progressive Inspr
I certify that in accordance with the CAE Progressive Inspection Program INSPECTION 01007 & 2, a thorough inspection of all engine/propeller parts detailed inspection of engine/propeller were performed and are approved for return to service.
CAE AD 0100 - 100 Hour Inspr
141 Flight School 875 AD Inspr
Inspected and FAA Bi-weekly Checked Through 2017.24 for this aircraft.

2) Fire Extinguisher 30 Day Visual Inspr
Complied with fire extinguisher 30 Day
NEXT Due: 1/29/18

Part	QTY	Part No.	Description	Unit Cost	Sub Total
1	1	10000	100 Hour Progressive Inspr		
2	1	10000	Fire Extinguisher 30 Day		

Qty	Part	Description	Unit Cost	Sub Total
1	10000	100 Hour Progressive Inspr		
1	10000	Fire Extinguisher 30 Day		

Qty	Part	Description	Unit Cost	Sub Total
7	10000-05	Oil 10000 50W	1.17	8.19
1	10000-10	Oil Filter	11.20	11.20
1	10000-15	Oil Sample Kit	8.50	8.50

Maintenance Review

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Filed under this Work Order.

Date: 12-30-2017
3030 East Fallon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

WO#: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017

Reg#: 4191M
AC S/N: 40789
MFG: DIAMOND
Model: DA-40
AC Tech T: 9074.0

CAE Oxford
Aviation Academy Phoenix

AC Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Work to be Performed

- 1) #2 and #4 intake cylinder baffle removed for P/M.
- 2) #2 cylinder replaced due to low compression. Compression check needed of #2 cylinder after post run.
- 3) #2 fuel injector line disconnected from engine for P/M.
- 4) #2 intake disconnected for P/M.
- 5) #2 oil return line disconnected for P/M.
- 6) #2 to #4 baffle rod swapped.
- 7) Both #2 spark plugs are worn.
- 8) Cylinder #2 compression is low, 124%.
- 9) Engine to cradle ground cable chaffing on oil dipstick tube.
- 10) Exhaust removed for P/M.
- 11) Exhaust rocker arm on cyl#2 is worn.
- 12) Valve gap is low, 1684.
- 13) Mixture cable bracket to engine disconnected for P/M.
- 14) Mixture spring bracket excessively ground.
- 15) Oil cooler mixing foam.
- 16) Preliminary inspection.
- 17) Prop governor cable needs to be connected.
- 18) Prop removed to P/M.
- 19) Removed #2 baffle for P/M.
- 20) Removed prop gov. for P/M.
- 21) Rocker cover #4 leaking at gasket.
- 22) Suspect leak at crankcase nose seal.

Maintenance/Repairs Performed

- 1) #2 and #4 intake cylinder baffle clip removed for P/M.
- 2) Replaced #2 and #4 intake cylinder baffle clip as needed.
- 3) #2 cylinder replaced due to low compression. Compression check needed of #2 cylinder after post run.
- 4) Completed compression check on #2 cylinder, found #2 cylinder to be within limits. (74/80)
- 5) #2 fuel injector line disconnected from engine for P/M.
- 6) Reconnected fuel injector and fuel injector line IAW Lycoming IO-360 P/M Maint / O/W Manual 71-20-01.
- 7) #2 intake disconnected for P/M.
- 8) Reconnected #2 intake tube IAW IO-360 P/M Maint / O/W Manual 72-40-00.
- 9) #2 oil return line disconnected for P/M.
- 10) Reconnected #2 oil return line as needed.

Document Revision Date: 09 Apr 2010

Page 1 of 4 for Work Order 2017 05687

WO#: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017

Reg#: 4191M
AC S/N: 40789
MFG: DIAMOND
Model: DA-40
AC Tech Time: 9074.0

CAE Oxford
Aviation Academy Phoenix

AC Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

- 1) #2 to #4 baffle rod swapped.
- 2) Installed new baffle rod P/M 281-144-10-00 per DA40-180 AMM 75-00-00.
- 3) Both #2 spark plugs are worn.
- 4) Replaced with new P/M 500-160 per Lycoming O/W Maint Manual sec 72-40-00.
- 5) Cylinder #2 compression is low, 124%.
- 6) Replaced #2 cylinder. Replaced with new cylinder for Lycoming IO-360 P/M using kit # 05621104 IAW Lycoming IO-360 P/M Maint. and O/W Manual 72-40-00.
- 7) Engine to cradle ground cable chaffing on oil dipstick tube.
- 8) Wrapped engine to cradle ground cable in spiral wrap to prevent further chaffing.
- 9) Exhaust removed for P/M.
- 10) Reinstalled per DA40-180 AMM 75-00-00.
- 11) Exhaust rocker arm on cyl#2 is worn.
- 12) Replaced worn exhaust rocker arm with new P/M 1715117 IAW Lycoming Maint. and O/W Manual Ch. 72-40.
- 13) Valve gap is low, 1684.
- 14) Gap per P/M chapter 4 on post run with no defects noted.
- 15) Mixture cable bracket to engine disconnected for P/M.
- 16) Attached and safety wired mixture cable bracket as needed.
- 17) Mixture spring bracket excessively ground.
- 18) Removed ground mixture spring bracket and installed new bracket. IAW DA40-180 AMM 74-00-00.
- 19) Oil cooler mixing foam.
- 20) Installed new foam gasket p/n 1220-29 as required.
- 21) Preliminary inspection.
- 22) Complied with preliminary inspection. No defects noted.
- 23) Prop governor cable needs to be connected.

Document Revision Date: 09 Apr 2010

Page 2 of 4 for Work Order 2017 05687

WO#: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017

Reg#: 4191M
AC S/N: 40789
MFG: DIAMOND
Model: DA-40
AC Tech Time: 9074.0

CAE Oxford
Aviation Academy Phoenix

AC Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

- 1) Connected and rigged prop cable per DA40-180 AMM 61-20-00.
- 2) Prop removed to P/M.
- 3) Reinstalled prop per DA40-180 AMM 61-00-00.
- 4) Removed #2 baffle for P/M.
- 5) Replaced #2 baffle IAW Diamond DA40-180 AMM 75-00-00.
- 6) Removed prop gov. for P/M.
- 7) Re-installed prop gov IAW Diamond DA40-180 AMM 61-20-00.
- 8) Rocker cover #4 leaking at gasket.
- 9) Removed leaky gasket from #4 cyl. rocker cover and installed new gasket. IAW 75904 IAW Lycoming IO-360 P/M Maint. O/W manual 72-40-00.
- 10) Suspect leak at crankcase nose seal.
- 11) Installed new crank seal P/M 1A13792 per Lycoming No. 1324C.

Labor

ARCIA, C	1.5	001-20-00	C	3.5	001-20-00	Compressor	0.3	001-10-00	Cranks, J.	3.3	001-10-00
De Dye, L.	3.4	001-10-00									

Parts Used

Qty	Part #	Description	Serial#	Cost	Sub Total
1	847-3/8	SPRINKLE WRAP 3/8		3.85	3.85
1	1227-25	GEL COOLER FAN TAPE 1-4 x 2		2.76	2.76
1	171-1257	IRON		202.24	202.24
1	W024775-228	ROCKER ARM, DA-40		0.94	0.94
1	0-350-704	O-350 PROPELLER		1.17	1.17
1/2	8401283-8	OUT. PROP ADAPTER, DA-20		4.58	4.58
1/2	8401283-8	OUT. PROP ADAPTER, DA-20		4.58	4.58
1	DA1 7164-10-00	rod, baffle, Detaining		24.63	24.63
1	05621104	CYLINDER ASSY / CYLINDER KIT IO-360 P/M / J&S		1,728.32	1,728.32
1	DA1 7124-20-01_1	+0-42 Mixture Spring Bracket		14.30	14.30
1	75904	Valve/Rocker Cover Gasket		1.90	1.90
2	308188	SPARK PLUG		71.48	142.96
1	1A13792	SEAL CRANKSHAFT, OIL		13.54	13.54
1	W0247-01	GOVERNOR PROPELLER GASKET		14.44	14.44

Document Revision Date: 09 Apr 2010

Page 3 of 4 for Work Order 2017 05687

WO#: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017

Reg#: 4191M
AC S/N: 40789
MFG: DIAMOND
Model: DA-40
AC Tech Time: 9074.0

CAE Oxford
Aviation Academy Phoenix

AC Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Maintenance Release

This aircraft, airframe, engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. See under/under/Work Order.

Date: 12-30-2017 Signed: _____

5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107 Rev: FAA-CRS B4VR470K

Work Order Totals
PAPER: 1,501.67
TOTAL: 1,677.69
TOTAL: 3,179.36

Document Revision Date: 09 Apr 2010

Page 4 of 4 for Work Order 2017 05687

TOTAL
SINCE MFG.

WO#: 2018 00371

Date Started: 26 JAN 2018
Date Completed: 27 JAN 2018

WO#: 2018 00372

Date Started: 26 JAN 2018
Date Completed: 27 JAN 2018

Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 9139.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9139.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5298.4
LT Prop T.T.: 4771.5

Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 9139.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9139.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5298.4
LT Prop T.T.: 4771.5

Description of Work to be Performed

1) EVENT #3 IAW CME Progressive Insp

2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT #3 IAW CME Progressive Insp

AIRFRAME:
I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT # 3, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service.
C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming HUB 3420. NEXT DUE APPT: 9219.4
141 Flight School ATP AD Status Sheets Reviewed and PMA BI-Weekly Checked Through 2018-02 for this aircraft.

2) Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.N.R. Ch. 26-00-00. Next Due: 92/26/2018

Labor

ROVIANO, J.	1.4	501.19	Sheffield, N.	7.5	607.23	BRUNER, J.	4.9	604.43	Ort, C.	8.4	600.20
Van Dyke, L.	6.5	200.34									
14.2											
14:12											

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
7	50061184	OIL DRUM 15950 DISPENSE BY QUART		5.29	37.03
1	0848110	OIL FILTER		13.20	13.20
4	ADP66-14100	BRAKE LINING, DA-40		13.57	54.28
1	AD4151	OIL SAMPLE KIT		8.50	8.50

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Read under this Work Order.

Date: 1/27/2018 Signed: *[Signature]*
5030 East Main St, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	1,420.00
Parts	113.01
TOTAL:	1,533.01

Description of Work to be Performed

1) L/R brake linings are worn.

2) LH aileron bellcrank to rod end bonding strap broken

3) Preliminary inspection

4) R/H brake linings are worn.

Maintenance/Repairs Performed

1) L/R brake linings are worn.

AIRFRAME:
Installed new linings P/N AD66-14100 IAW Cleveland Maint Manual sec: 300

2) LH aileron bellcrank to rod end bonding strap broken

Replaced LH aileron bellcrank to rod end bonding strap with new IAW DA60-140 APW ch. 11-60-00.

3) Preliminary inspection.

AIRFRAME:
Performed preliminary inspection. No defects noted.

4) R/H brake linings are worn.

AIRFRAME:
Installed new linings P/N AD66-14100 IAW Cleveland Maint Manual sec: 300

Labor

Sheffield, N.	1.7	001.40
1.7		
1:40		

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Read under this Work Order.

Date: 1/27/2018 Signed: *[Signature]*
5030 East Main St, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	166.67
Parts	
TOTAL:	166.67

WO#: 2018 00662

Date Started: 12 FEB 2018
Date Completed: 12 FEB 2018

WO#: 2018 00663

Date Started: 12 FEB 2018
Date Completed: 12 FEB 2018

Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 9191.4

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9191.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5350.0
LT Prop T.T.: 4823.1

Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 9191.4

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9191.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5350.0
LT Prop T.T.: 4823.1

Description of Work to be Performed

1) EVENT #4 IAW CME Progressive Insp

2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT #4 IAW CME Progressive Insp

AIRFRAME:
I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service.
C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming HUB 3420. NEXT DUE APPT: 9291.4
141 Flight School ATP AD Status Sheets Reviewed and PMA BI-Weekly Checked Through 2018-03 for this aircraft.

2) Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.N.R. Ch. 26-00-00. Next Due: 03/14/2018

Labor

Griffin, B.	2.2	007.10	Kirchler, A.	2.2	007.00
4.4					
4:20					

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	0848110	OIL FILTER		13.20	13.20
1	AD4151	OIL SAMPLE KIT		8.50	8.50
7	50061184	OIL DRUM 15950 DISPENSE BY QUART		5.29	37.03

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Read under this Work Order.

Date: 2/12/18 Signed: *[Signature]*
5030 East Main St, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	433.33
Parts	58.73
TOTAL:	492.06

Description of Work to be Performed

1) rocker gasket leaking

2) Preliminary inspection

Maintenance/Repairs Performed

1) rocker gasket leaking

AIRFRAME:
Removed worn gasket and installed new ... Lycoming O/W manual sect 5

2) Preliminary inspection

AIRFRAME:
C/W prelin inspection. No defects found.

Labor

Griffin, B.	1.0	001.00
1.00		

Parts Used

Qty	Part#	Description
1	7504	Valve/Rocker Cover Gasket

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Read under this Work Order.

Date: 2/12/18 Signed: *[Signature]*
5030 East Main St, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	100.00
Parts	1.90
TOTAL:	101.90

WO#: 2018 01093

Date Started: 09 MAR 2018
Date Completed: 10 MAR 2018

Reg#: 4191M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 497

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9249.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5408.3
LT Prop T.T.: 4881.4

Description of Work to be Performed

1) EVENT #1 IAW CAE Progressive Inspe

Visual Inspection

Maintenance/Repairs Performed

1) EVENT #1 IAW CAE Progressive Inspe

Visual Inspection

I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT # 1, a routine inspection of the aircraft and a detailed inspection of cabin were performed and are approved for return to service. Permut details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-100 A.N.M. Ch. 24-09-09. Next Due: 04/09/2018

Labor

Comperidder, J. 2.3 002 1100VLANE, J. 5.2 002 10

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	084610	OIL FILTER		32.99	32.99
1	AD41191	OIL SAMPLE KIT		8.50	8.50
7	550041194	OIL DRUM 15000 DISBURSE BY QUART		5.29	37.03

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permut details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-10-2018 Signed: [Signature]
5070 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

WO#: 2018 01093

Date Started: 09 MAR 2018
Date Completed: 10 MAR 2018

Reg#: 4191M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9249.7

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9249.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5408.3
LT Prop T.T.: 4881.4

Description of Work to be Performed

1) Bonding strap from elevator push pull tube to ball crank under co-pilot seat is broken

2) Place of muffler baffle has become dislodged, needs new muffler.
3) Pilot side LH master cylinder is leaking.
4) Preliminary inspection

Maintenance/Repairs Performed

1) Bonding strap from elevator push pull tube to ball crank under co-pilot seat is broken.

REPAIRS:
Removed broken bonding strap from elevator push pull tube to ball crank under co-pilot's seat and installed new bonding strap IAW AC41 13-18 sec. 11-14

2) Place of muffler baffle has become dislodged, needs new muffler.

POWERPLANT:
Installed a new muffler p/n DA60-7 w/n 00624-0002 IAW the DA60 AMN 76-10-00.

3) Pilot side LH master cylinder is leaking.

REPAIRS:
Removed leaky pilot's LH master cylinder and installed a new master cylinder. (p/n 10-5440 IAW DA60-100 AMN 12-00-00. Bled LH brakes IAW DA60-100 AMN 12-00-00

4) Preliminary inspection.

REPAIRS:
C/W preliminary inspection, no defects noted.

Labor

Comperidder, J. 2.3 002 1100VLANE, J. 5.2 002 10

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	AM-1A	BOLT		0.53	1.06
1	10-5440	MASTER BRAKE CYLINDER		342.99	342.99
1	279-005	CLAMP ARMY DAMAGED ONLY		71.45	71.45
1	DA60-7	MUFFLER	00624-0002	2,951.36	2,951.36

Parts Removed

Part #	Description	Serial #
DA60-7	MUFFLER	11094-0003

WO#: 2018 01093

Date Started: 09 MAR 2018
Date Completed: 10 MAR 2018

Reg#: 4191M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9249.7

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9249.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5408.3
LT Prop T.T.: 4881.4

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permut details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-10-2018 Signed: [Signature]
5070 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor 1,143.33
Parts 3,016.32
TOTAL: 4,159.65

WO#: 2018 01546

Date Started: 04 APR 2018
Date Completed: 05 APR 2018

Reg#: 4191M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9304.5

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9304.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5,103.1
LT Prop T.T.: 4,362.2

Description of Work to be Performed

1) EVENT #2 IAW CAE Progressive Inspe

2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT #2 IAW CAE Progressive Inspe

Visual Inspection

I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.

C/W AD 2015-10-07 Dual Injector Lines Inspection IAW Upcoming MMR 3420. REV/ OIR APTT: 9424.5

241 Flight School ATP AD Status Sheets Reviewed and FMA 81-Weekly Checked Thru 2018-07 for this aircraft.

POWERPLANT:
Engine Cylinders Compression: 01- (74/80)Psi, 02- (72/80)Psi, 03- (74/80)Psi, 04- (74/80)Psi

2) Fire Extinguisher 30 Day Visual Inspection

REPAIRS:
Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-100 A.N.M. Ch. 24-09-09. Next Due: 05/05/2018

Labor

Comperidder, J. 5.5 002 10

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	084610	OIL FILTER		32.99	32.99
1	AD41191	OIL SAMPLE KIT		8.50	8.50
7	550041194	OIL DRUM 15000 DISBURSE BY QUART		5.29	37.03

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permut details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 4/5/18 Signed: [Signature]
5070 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor 739.33
Parts 69.52
TOTAL: 808.85

WO#: 2018 01547

Date Started: 04 APR 2018
Date Completed: 05 APR 2018

Reg#: 4101M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9304.5

CAE Oxford
Aviation Academy Phoenix

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9304.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5463.1
LT Prop T.T.: 4936.2

Description of Work to be Performed	
1) 81 rocker cover gasket is leaking	
2) 490 Hour Inspection IAW CME Progressive Insp	
3) Alternator belt tension is low	
4) PWD lower alternator bolt is spinning	
5) 12 magneto replacement	
6) Oil cooler is missing from	
7) preliminary inspection	
8) 28 magneto replacement	
Maintenance/Repairs Performed	
1) 81 rocker cover gasket is leaking	
AIRFRAME: Replaced 81 rocker cover gasket with new R/N 75904 IAW Lycoming IO-360-MLA O/R Manual Ch. 73-60-05	
2) 490 Hour Inspection IAW CME Progressive Insp	
AIRFRAME: C/W DA-40-180 PROGRESSIVE INSPECTION CHECKLIST EVENT 490 FORM KFF-T-2174PM	
3) Alternator belt tension is low	
AIRFRAME: ADJUSTED ALTERNATOR BELT TENSION IAW DA-40-180 AMM 24-30-05	
4) PWD lower alternator bolt is spinning	
AIRFRAME: TIGHTENED PWD LOWER ALTERNATOR MOUNTING BOLT IAW DA-40-180 AMM 24-30-05	
5) 12 magneto replacement	
AIRFRAME: Removed 12 magneto P/N 4347 2802100091 and installed repaired 12 magneto P/N4347 2801602147 IAW Lycoming IO-360 Helix o/r manual Ch. 73-60-05	
6) Oil cooler is missing from	
AIRFRAME: REPLACED MISSING OIL COOLER PUM AS REQUIRED	
7) preliminary inspection	
AIRFRAME: C/W preliminary inspection, no further defects noted.	
8) 28 magneto replacement	
AIRFRAME: Removed 28 magneto P/N 4374 2801100051 and installed repaired 28 magneto P/N4374 2801105002 IAW Lycoming IO-360 Helix o/r manual Ch. 73-60-05	

WO#: 2018 01547

Date Started: 04 APR 2018
Date Completed: 05 APR 2018

Reg#: 4101M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9304.5

CAE Oxford
Aviation Academy Phoenix

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9304.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5463.1
LT Prop T.T.: 4936.2

Labor					
1.0	4.12				
9.2	4.12				
Parts Used					
Qty	Part #	Description	Serial #	Cost	Sub Total
2	LM12441	GASKET, ROCKER, LYCOMING		1.32	2.64
1	AL61011A8	BRUSH BRT ARBY		14.34	14.34
1	FW-28506	Air Filter DA40/40		102.00	102.00
1	75904	Valve/Rocker Cover Gasket		3.06	3.06
1	4347	MAGNETO DA 40/40 SLICK	14021437	500.00	500.00
1	4374	MAGNETO RIGHT SLICK	13020492	450.00	450.00
Parts Removed					
Part #	Description	Serial #			
4347	MAGNETO DA 40/40 SLICK	04103391			
4374	MAGNETO RIGHT SLICK	15020492			
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					
Date: 4/5/18	Signed: [Signature]				
3000 East Fallon Dr. Mesa AZ 85215 Form: KFF-MF107, Rev - FAA-CRS B4VR470K					
Work Order Totals					
Labor	420.00				
Parts	1,075.05				
TOTAL:	1,495.05				

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 01547

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 01547

WO#: 2018 02040

Date Started: 01 MAY 2018
Date Completed: 02 MAY 2018

Reg#: 4101M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9361.3

CAE Oxford
Aviation Academy Phoenix

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9361.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5519.9
LT Prop T.T.: 4993.0

Description of Work to be Performed					
1) EVENT 83 IAW CME Progressive Insp					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) EVENT 83 IAW CME Progressive Insp					
AIRFRAME: I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT 83, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service.					
C/W AD 2015-13-07 Fuel Injector Lines Inspection IAW Lycoming HGR 3420. NEXT DUE AFYI: 9441.3					
141 Flight School ATP AD Status Sheets Reviewed and FAA 81-Neatly Checked Through 2018-09 for this aircraft.					
2) Fire Extinguisher 30 Day Visual Inspection					
AIRFRAME: Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-40-180 A.H.M. Ch. 24-00-00. Next Due: 04/02/2018					
Labor					
10.00	8.59				
Parts Used					
Qty	Part #	Description	Serial #	Cost	Sub Total
1	0248110	OIL FILTER		15.24	15.24
1	AD41111	OIL SAMPLE KIT		4.50	4.50
7	5904114	OIL DRON 15W50 DISPENSE BY QUART		5.29	37.03
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					
Date: 5-2-18	Signed: [Signature]				
3000 East Fallon Dr. Mesa AZ 85215 Form: KFF-MF107, Rev - FAA-CRS B4VR470K					
Work Order Totals					
Labor	898.33				
Parts	60.77				
TOTAL:	959.10				

WO#: 2018 02041

Date Started: 01 MAY 2018
Date Completed: 02 MAY 2018

Reg#: 4101M
AC S/N: 40700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9361.3

CAE Oxford
Aviation Academy Phoenix

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 9361.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5519.9
LT Prop T.T.: 4993.0

Description of Work to be Performed					
1) 81 Intake gasket leaking.					
2) 81 rocker cover gasket leaking.					
3) Broken bonding strap on R/W aileron bellcrank.					
4) L/W H&D block is cracked.					
5) Preliminary inspection					
Maintenance/Repairs Performed					
1) 81 Intake gasket leaking.					
POWERPLANT: Replaced 82 intake gasket with new P/N 71973 IAW Lycoming IO-360-MLA O/R Manual Ch. 73-60-05					
2) 81 rocker cover gasket leaking.					
POWERPLANT: Replaced 81 rocker cover gasket with new P/N 75904 IAW Lycoming IO-360-MLA O/R Manual Ch. 73-60-05					
3) Broken bonding strap on R/W aileron bellcrank.					
AIRFRAME: Replaced bellcrank and terminal P/N: AP320-543 on R/W aileron IAW Lycoming IO-360-MLA O/R Manual Ch. 17-30-05					
4) L/W H&D block is cracked.					
AIRFRAME: Replaced the H&D mounting block w/new P/N: DA1-3211-01-52_1 IAW Lycoming IO-360-MLA O/R Manual Ch. 17-30-05					
5) Preliminary inspection					
AIRFRAME: C/W preliminary inspection. No defects noted.					
Labor					
10.00	10.13				
Parts Used					
Qty	Part #	Description	Serial #	Cost	Sub Total
1	75904	Valve/Rocker Cover Gasket		3.06	3.06
1	DA1-3211-01-52_1	H&D Bracket		46.56	46.56
1	71973	INTAKE GASKET		9.51	9.51

MAINTENANCE RECORD

WO#: 2018 02740

Date Started: 14 JUN 2018
Date Completed: 17 JUN 2018

Reg#: 4101M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9427.1

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 5721.2

Description of Work to be Performed

- 11 CHT probe needs replaced.
- 11 All engine SCAT hoses need replacement.
- 11 All spark plugs need installed.
- 11 Alternate air valve removed to P/M.
- 11 Alternator requires replacement.
- 11 Battery disconnected/ battery box removed.
- 11 Cylinder baffles #1, #2 and #4 have holes blown out.
- 11 Engine breather hose is deteriorated.
- 11 Engine cradle requires inspection and paint touch up.
- 11 Engine needs timed- R/W mag to loose.
- 11 Engine Replacement S&S
- 11 Exhaust removed for P/M.
- 11 Fuel hoses firewall FWD require replacement.
- 11 Fuel servo requires replacement.
- 11 L & R baffle tension rods needs replacement.
- 11 Left magnets requires replacement.
- 11 Head to add oil to the engine.
- 11 Oil cooler requires replacement.
- 11 Oil hoses firewall FWD require replacement.
- 11 Preliminary Inspection.
- 11 Propeller gov. requires replacement.
- 11 Propeller Replacement S&S
- 11 Right hand magnets requires replacement.

Maintenance/Repairs Performed

- 11 CHT probe needs replaced.
POWERPLANT:
Installed a new CHT probe p/n A60280-WIP IAW DA-40 series AMM chapt. 71-00-00.
- 11 All engine SCAT hoses need replacement.
POWERPLANT:
Replaced SCAT hoses as needed IAW DA40-100 AMM ch 71-02-00.
- 11 All spark plugs need installed.
POWERPLANT:
Installed 8 new Champion SPRTS spark plugs IAW DA40-100 AMM 71-00-00.
- 11 Alternate air valve removed to P/M.
POWERPLANT:
Installed alternate air valve IAW DA40 series AMM sec: 71-00-00.
- 11 Alternator requires replacement.
POWERPLANT:
Alternator removed P/N ALU-9521R S/N N-9030133 and installed a new alternator P/N ALU-9521R S/N

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2018 02740

WO#: 2018 02740

Date Started: 14 JUN 2018
Date Completed: 17 JUN 2018

Reg#: 4101M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9427.1

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 5721.2

POWERPLANT:

- 61 Battery disconnected/ battery box removed.
AIRFRAME:
Reinstalled battery box and battery IAW the DA40 AMM 71-00-00.
- 71 Cylinder baffles #1, #2 and #4 have holes blown out.
POWERPLANT:
Repaired #1, #2 and #4 baffles IAW Diamond DA 40-100 AMM ch 71-20-00.
- 81 Engine breather hose is deteriorated.
POWERPLANT:
Installed a new length of breather hose P/N 193-10 as needed.
- 91 Engine cradle requires inspection and paint touch up.
POWERPLANT:
Applied touch up paint on engine cradle as needed IAW Diamond DA40-100 AMM ch. 51-20-00.
- 101 Engine needs timed- R/W mag to loose.
POWERPLANT:
Timed R/W mag IAW LYcoming IO-360-NIA O/E Manual sec 4.
- 111 Engine Replacement S&S
POWERPLANT:
Removed tract out engine p/n IO-360-NIA, s/n L-22403-518 WITH TT 5562.7 hrs, TAO 3562.7 hrs and installed rebuilt engine p/n IO-360-NIA, s/n RL-20408-518 WITH TT 0.0 hrs, TAO NA IAW DA40 AMM 71-00-00.
- 121 Exhaust removed for P/M.
POWERPLANT:
Installed exhaust IAW chapt. 71-00-00 DA-40 AMM.
- 131 Fuel hoses firewall FWD require replacement.
POWERPLANT:
Replaced all fuel hoses firewall fwd as required.
- 141 Fuel servo requires replacement.
POWERPLANT:
Removed fuel servo P/N 802775248-1 S/N 801746393 and installed a overhauled fuel servo P/N 802775248-1 S/N 802471009 IAW the DA40 AMM 71-00-00.
- 151 L & R baffle tension rods needs replacement.
POWERPLANT:
Installed new L & R baffle tension rods IAW the DA40 AMM 71-00-00.
- 161 Left magnets requires replacement.
POWERPLANT:

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2018 02740

WO#: 2018 02740

Date Started: 14 JUN 2018
Date Completed: 17 JUN 2018

Reg#: 4101M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9427.1

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 5721.2

POWERPLANT:

This mageto P/N 4347 S/N 14021437 was removed with the timed out engine and a new mageto P/N 4347 S/N 1707058 was installed on the rebuilt engine.

- 171 Head to add oil to the engine.
POWERPLANT:
Added 4 qts AeroShell W100 mineral oil as needed.
- 181 Oil cooler requires replacement.
POWERPLANT:
Removed oil cooler p/n 105787, s/n 1474, installed oil cooler p/n 105787, s/n 739. Work done IAW DA-40 series AMM chapt. 71-00-00.
- 191 Oil hoses firewall FWD require replacement.
POWERPLANT:
Installed new oil hoses IAW DA-40 series AMM chapt. 71-00-00.
- 201 Preliminary Inspection.
AIRFRAME:
C/W preliminary inspection, no defects noted.
- 211 Propeller gov. requires replacement.
POWERPLANT:
Removed prop gov P/N P-840-21 S/N C80074-F and installed a overhauled gov. P/N P-840-21 S/N 870217-N IAW the DA40 AMM 61-00-00.
- 221 Propeller Replacement S&S
POWERPLANT:
Removed timed out propeller p/n MC-CYR-18P, s/n C807018 WITH TT 5058.8 hrs, TAO 2050.5 hrs and installed overhauled propeller p/n MC-CYR-18P, s/n C808708 WITH TT 5721.2 hrs, TAO 0 hrs IAW DA40 AMM 61-00-00.
- 231 Right hand mageto requires replacement.
POWERPLANT:
This mageto P/N 4370 S/N 13050803 was removed with the timed out engine and a new mageto P/N 4370 S/N 1708097 was installed on the rebuilt engine.

Labor	
Van Dyke, L.	2.7 503.00
Arnold, J.	22.3 523.00
	42.1 42.01

Parts Used

WO#: 2018 02740

Date Started: 14 JUN 2018
Date Completed: 17 JUN 2018

Reg # 4101M
AC S/N 40.769
MFG DIAMOND
Model DA-40
A/C Tach Time 9427.1

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 5721.2

QTY	Description	Serials	Cost	Sub Total
1	REPAIR KIT		0.00	0.00
1	CLAMP #12 ADEL		1.01	1.01
4	WIRE MOUNT		239.98	959.92
2	T. ENGINE M/T 1X		2.43	4.86
2	ENGINE		3.92	7.84
4	HOSE/ENGINE		2.42	9.68
1	ADLCO/ENGINE		13.50	13.50
1	1342003-4C80157		154.00	154.00
1	1342003-4C80164		124.21	124.21
1	1342003-4C80064		159.75	159.75
1	1342003-4C80013		144.71	144.71
1	1342003-4C80015		93.21	93.21
1	1342003-4C80119		114.75	114.75
1	1342003-4C80112			
1	1342001-4C80064			
2	HOSE/ENGINE			
1/2	HOSE/ENGINE		0.00	0.00
1/2	HOSE/ENGINE		0.00	0.00
3	CLAMP		0.00	0.00
2	SCAT 12		10.64	21.28
1	77504		9.41	9.41
8	80004171		5.84	46.72
8	820040		71.49	571.92
1	A60280-WIP		102.10	102.10
2	D41-7144-10-80		24.02	48.04
2	HW-1/2		9.21	18.42
2	HW-1/2		6.39	12.78
2	HW-1/2		3.92	7.84
2	HW-1/2		9.21	18.42
1	HW-1/2		0.00	0.00
1	REPAIR KIT		11,493.08	11,493.08
1	105787		210.00	210.00
1	DAI-9078-00-01		0.00	0.00
1	WASHER BUSH SLICE		0.00	0.00
1	WASHER DA 40/42 SLICE		0.00	0.00
1	FUEL SERVO MOTOR		0.00	0.00
1	ALU-9521R		0.00	0.00
1	P-840-23		449.00	449.00
1	MC-CYR-18P		4,386.16	4,386.16

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2018 02740

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2018 02740

WO#: 2018 02740

Date Started: 14 JUN 2018

Date Completed: 17 JUN 2018

Reg#: 4101M
AC S/N: 40789
MFG: DIAMOND
Mo: DA-40
A/C Time: 9427.1



Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 5721.2

PROPELLER SERVICE AND

INSTALLATIONS, INSPECTIONS,
USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

Parts Removed			
Part #	Description	Serial #	
438	NO. 1 PROPELLER SLICER	10021437	
4376	NO. 1 PROPELLER SLICER	13090803	
4376-1	ALTERNATOR SHAFT WITH PULLEY	4-2000123	
DA-40	ICE COOLER, DA-40, **MODIFIED** 1474		
NO-CYB	PROPELLER DA-40	0077028	
10-1000-1	ENGINE DATA MODEL NUMBER USE PART 1-12483-518		
1K15473	FUEL PUMP ENGINE DRIVER OVERHAUL 124814		
2-440-23	GOVERNOR W/ PROPELLER DA-40	00074-9	

Maintenance Release		Work Order Totals	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy. Property fee paid under this Work Order.			
Date: 6/17/2018	Signed: <i>[Signature]</i>	Labor	6,201.67
		Parts	39,393.13
		TOTAL:	45,594.80

Document Revision Date: 09 Apr 2010

Page 5 of 5 for Work Order 2018 02740

W.O. 2018 02740
 6-17-18
 PTT 5058.8
 PTSMOH 2090.5

this propeller removed from N4191M this time and date for overhaul

[Signature] CRSB: B4VR470K

17 JUL 2018
 TTSN 5058.8 TTSO 0.00
 Overhauled, functional tested and static balanced. Refer to work order # 13379 and 8130-3 # 38050

[Signature]
 Brooke Warner
 Warner Propeller - Tucson, AZ
 FAA CRS# W59R659N



CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

WO#: 2018 03726

Date Started: 02 AUG 2018
Date Completed: 06 AUG 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 17.8

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 9031.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4488.2
LT Prop T.T.: 5058.8

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Qty	Part#	Description	Serial#	Cost	Sub Total
1	115-073-1P	WASHER HEAD		0.48	0.48
8	100-28	N. 1/2" TOR		1.30	10.40
8	100-2338	W. 1/2" TOR		9.48	75.84
1	99-04804	ALL FLIGHT		103.87	103.87
1	9029775-128	O-RING PROPELLER		0.54	0.54
1	17904	QUARTZ BLOCK		0.74	0.74
4/8	100001171	OIL WIPER 1/2" BY 1 1/2" DIA.		0.46	3.68
4/8	100001271	OIL WIPER 1/2" BY 1 1/2" DIA.		0.46	3.68
1/4	901-7149-10-01	WAL. BUSH, RETAINING		21.02	54.86
1/4	9020045-700C	WAL. SCREW		1.92	1.92
1/4	9020045-700C	WAL. SCREW		1.92	4.76
2	0874	AERODUCT		4.79	9.58
2	1075-1/2	SPRING WASH 1/2"		3.99	7.98
2	1075-1/4	SPRING WASH, TYPLOW, 1/4"		2.09	4.18
1	9020022-80	PLATE 45 DEGREE, OIL COOLER		21.09	21.09
2	100-1/2	SPRING WASH 1/2" DIA		10.42	20.84
2	70000	OIL VALVE QUART CRANK SHAFT/42		55.84	111.68
1	143-4450	SAFETY SWITCH FOR ENGINE CONTROL		1.40	1.40
3	189-10	WIRE LOW PRESSURE		4.39	13.17
1/4	820028	SPARE PLUG		71.40	142.80
1/4	820028	SPARE PLUG		71.40	142.80
1	1074	AERODUCT		4.50	4.50
4	77413-58	ENGINE MOUNT		239.90	959.61
2	487-44A	BOLT, ENGINE MOUNT, 5/8"		2.97	5.94
2	487-43A	BOLT, ENGINE		2.97	5.94
1	40400/80278	ENGINE LAMP		21.99	21.99
1	1142003-100157	WIRE, ENGINE		115.81	115.81
1	1242003-100144	WIRE, ENGINE		119.94	119.94
1	1242003-100144	WIRE, ENGINE		104.90	104.90
1	1142003-100113	WIRE, ENGINE SHAFT		150.12	150.12
1	1242003-100153	WIRE, ENGINE		87.81	87.81
1	1242003-100149	WIRE, MANIFOLD PRESSURE, 01000		114.51	114.51
1	1242003-100113	WIRE, OIL PRESSURE, 01000		51.39	51.39
1	1242003-100144	WIRE, OIL PRESSURE, 01000		48.17	48.17
1	8-1-4	GOVERNOR PROPELLER DA-40	09262	0.00	0.00
1	4347	WASHER CA 10/12 SLICE	10000009	0.00	0.00
1	90-0278-10P	PROPELLER DA-40	0917528	2,894.18	2,894.18
1	9094-10H	SAFETY SEALING WASH	0011904	024.93	024.93
1	257044-1	GOVERNOR DA-40/ENGINE	7001001	1,505.00	1,505.00
1	901-9031L	ALTERNATIVE SHAFT WITHOUT FULLY NEW	0-002744	0.00	0.00
1	4370	WASHER STWY SLICE	1001104	0.00	0.00
1	AF14673	TEMPER FUEL PUMP W/ER, DA-40/42	2016A022	0.00	0.00
1	9009-9210001	ENGINE SHAFT LEVERING OVERHAUL	L-14761-010	24,800.00	24,800.00
1	091-9073-00-01	OIL COOLER DA-40	1711	819.33	819.33
		REPAIRS			

Document Revision Date: 09 Apr 2010

Page 5 of 6 for Work Order 2018 03726

WO#: 2018 03726

Date Started: 02 AUG 2018
Date Completed: 06 AUG 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3347.8

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 9031.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4488.2
LT Prop T.T.: 5058.8

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Part #	Description	Serial #
10170	OIL COOLER TYPE 10000 DAJ-2019-1316	
257044-1	PUMP SERVICE	7001001
901-9031L	ALTERNATIVE SHAFT WITH FULLY NEW	0-002744
90-0278-10P	PROPELLER DA-40	0917528
10-140-05A	ENGINE SHAFT W/ER, W/ER L-11400-118	
101421	CYLINDER ASSEMBLY	07994
8-1-4	GOVERNOR PROPELLER DA-40	0917528

Maintenance Release		Work Order Totals
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.		Labor 4,461.67
Date: 8-6-2018 Signed: [Signature]		Parts 36,339.14
3030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K		TOTAL: 41,800.81

Document Revision Date: 09 Apr 2010

Page 4 of 4 for Work Order 2018 03726

WO#: 2018 03822

Date Started: 07 AUG 2018
Date Completed: 10 AUG 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3356.6

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 9040.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4495.0
LT Prop T.T.: 5087.6

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Description of Work to be Performed					
1) EVENT BY IAW OAE Progressive Insp					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) EVENT BY IAW OAE Progressive Insp					
AIRFRAME: I certify that in accordance with OAE Progressive Inspection Program INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service. (L/W AD 2015-10-07 Fuel Injector Lines Inspection IAW Lycoming H80 7420 INERT DOZ MPT: 10,040 11 141 Flight School ATP AD Status Sheets Reviewed and 99A Bi-weekly checked through 2018-16 for this aircraft.					
POWERPLANT: Engine Cylinder Compression: 01- (78/80)Psi, 02- (72)Psi, 03- (70)Psi, 04- (74)Psi					
2) Fire Extinguisher 30 Day Visual Inspection					
AIRFRAME: Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-189 A.R.M. Ch. 26-00-00. (Check Due: 02/05/2018)					
Labor					
Number	2 3 002 1 00000000 2 2 0 002 000000 0 2 0 002 1 000000 0 1 0 002 01				
8 0 6:50					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	0042101	OIL SAMPLE KIT		0.50	0.50
7	980041184	OIL OILUM 15W50 DISPERSE BY QUART		5.29	37.03
2	0184110	OIL FILTER		15.14	30.28
Maintenance Release		Work Order Totals			
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.		Labor 893.33			
Date: 8/10/2018 Signed: [Signature]		Parts 60.71			
3030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K		TOTAL: 944.04			

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 03822

WO#: 2018 03823

Date Started: 07 AUG 2018
Date Completed: 10 AUG 2018

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3356.6

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 9040.1
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 4495.0
LT Prop T.T.: 5067.6

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed	
1) A/C passenger door aft hinge cracked	
2) OIM 1 horrible static unusable	
3) Front seats removed to FOM	
4) Fuel selector shaft P/N D41-2823-20-00-000 removed in serviceable condition for continued in service use	
5) High mixture ratio of 100 RPM	
6) preliminary inspection	
7) Removed passenger door to FOM	
8) Rubber pivot pin worn	
9) Strab trim is stiff	

Maintenance/Repairs Performed	
1) A/C passenger door aft hinge cracked.	
REPAIRS: Repaired passenger door aft hinge IAW Diamond BMM 65-127/5.	
2) OIM 1 horrible static unusable.	
REPAIRS: Upon further inspection found NAV volume to be 8 845. Turned down NAV volume and static disappeared. Ops check good.	
3) Front seats removed to FOM.	
REPAIRS: Installed seats IAW D40-100 AMM chap 25-10-00.	
4) Fuel selector shaft P/N D41-2823-20-00-000 removed in serviceable condition for continued in service use.	
REPAIRS: Installed a new fuel selector shaft P/N: D41-2823-20-00-000 IAW D40-100 service bulletin 840-019/3. Ops check was good.	
5) High mixture ratio of 100 RPM.	
POWERPLANT: Adjusted mixture IAW D40-100 AMM 71-00-00.	
6) preliminary inspection	
REPAIRS: C/W preliminary inspection. No additional defects found.	
7) Removed passenger door to FOM.	
REPAIRS: Installed passenger door IAW D40-100 AMM 82-10-00.	
8) Rubber pivot pin worn.	
REPAIRS: Repaired rubber pivot pin IAW Diamond BMM 65-152.	

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 03823

WO#: 2018 03823

Date Started: 07 AUG 2018
Date Completed: 10 AUG 2018

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3356.6

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 9040.1
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 4495.0
LT Prop T.T.: 5067.6

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

9) Strab trim is stiff.
REPAIRS: Adjusted strab trim to be within limits IAW D40-100 AMM ch. 27-10-00.

Labor	
Technician, J	0.5 000 01 Competitor, D
14.3 014.13	Competitor, D
4.0 003.9	
18.6 18.35	

Parts Used	
Qty	Part# Description Serials Cost Sub Total
1	D40-1000-00-00 BOLT, DA-40 RUBBER ASST 34.47 34.47
1	D40-1001-00-00-1 DOOR HINGE 1 APT 82.99 82.99
1	D41-2823-20-00-000 FUEL SELECTOR SHAFT 350.04 350.04

Work Order Totals	
Labor	1,858.33
Parts	459.70
TOTAL:	2,328.03

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 8/10/18 Signed: [Signature]
5030 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev-FAA-CRS B4VR470K

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 03823

WO#: 2018 04094

Date Started: 21 AUG 2018
Date Completed: 22 AUG 2018

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3413.3

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 9096.8
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 4551.7
LT Prop T.T.: 5124.3

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed	
1) Progressive INSPECTION	
2) 10 Day Visual Inspection	

Maintenance/Repairs Performed	
1) EVENT #1 IAW CAE	
REPAIRS: I certify that in accordance with the CAE Progressive Inspection Program INSPECTION EVENT # 1, a routine inspection of engine, airframe and airframe and a detailed inspection of cabin were performed and are approved for return to service.	
C/W AD 2018-19-07 Fuel Injector L. IAW Lycopodium NUB J420 (NEXT DUE APTT: 1094.8)	
141 Flight School ATP AD Status: 141-10-00-00-000 IAW FAA 81-Weekly Checked Through 2018-17 For this aircraft.	
AVIONICS: ELT Annual Inspection complied with as req'd (14 CFR 125.217 (d)) and found to be in airworthy condition. Inspection and test was performed in accordance with 14 CFR 125.217 (d) and 14 CFR 125.219. (Next Due: 9/21/2018) Battery Expiration Date for ELT Transmitter is 11/20/19 Remote switch battery if applicable, expires 11/20/19 Next ELT Annual Inspection Due: 09/20/19 ELT Registration if applicable: 9/21-20-2020	
2) Fire Extinguisher 30 Day Visual Inspection	
REPAIRS: Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A.N.M. Ch. 24-00-00. (Next Due: 9/21-18)	

Labor	
Technician, D	4.1 004 01 Competitor, D
9.1 003.9	
9.1 9.0	

Parts Used	
Qty	Part# Description Serials Cost Sub Total
1	0808118 OIL FILTER 15.18 15.18
1	AD41111 OIL SAMPLE KIT 4.50 4.50
1	950041104 OIL DRUM 15450 DISPENSE BY QUART 5.29 5.29

Work Order Totals	
Labor	908.33
Parts	60.71
TOTAL:	969.04

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 8-22-18 Signed: [Signature]
5030 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev-FAA-CRS B4VR470K

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 04094

WO#: 2018 04095

Date Started: 21 AUG 2018
Date Completed: 22 AUG 2018

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3413.3



Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9006.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4551.7
LT Prop T.T.: 5124.3

Description of Work to be Performed					
1) Flap actuator to bellcrank bonding strap is broken					
2) Side RPM is high(F10)					
3) Possible crack found on LH wing walk location marked					
4) preliminary inspection					
5) RH HLD brake linkage worn uneven					
6) Upper roll pin on fuel selector shaft is loose					
Maintenance/Repairs Performed					
1) Flap actuator to bellcrank bonding strap is broken.					
ASPPRAME:					
Installed new terminal and on flap actuator bonding strap as required					
2) Side RPM is high(F10)					
ASPPRAME:					
adjusted side to be within limits 128 0240-165 RPM ch. 71-20-03					
3) Possible crack found on LH wing walk location marked.					
ASPPRAME:					
Tap tested location no defects noted 128 AC 41 11-18 section 4 p g 4-51					
4) preliminary inspection					
ASPPRAME:					
C/N preliminary inspection No defects noted					
5) RH HLD brake linkage worn uneven					
ASPPRAME:					
Replaced RH HLD brake linkage P/N: AF044-14100 with new 128 Cleveland Metric Manual section 300					
6) Upper roll pin on fuel selector shaft is loose					
ASPPRAME:					
Replaced fuel selector shaft w/hose P/N D41-2923-20-00-HXD 128 0240 RPM ch 28-20-00					
Labor					
Small, S 4.8 001 14 Supervisor, 1.6 001 50					
6.4 0 14					
Parts Used					
Qty	Part #	Description	Serial#	Cost	Sub Total
2	AF044-14100	BRACK LINKING DA-40		14.57	29.14
1	D41-2923-20-00-HXD	FUEL SELECTOR SHAFY		158.99	158.99

WO#: 2018 04095

Date Started: 21 AUG 2018
Date Completed: 22 AUG 2018

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3413.3



Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

A/C Total Time: 9006.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4551.7
LT Prop T.T.: 5124.3

Maintenance Release		Work Order Totals
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.		Labor 493.33
Date: 8-22-18 Signed: [Signature]		Parts 377.19
3030 East Falcon Dr. Mesa AZ 85205 Form KFF-M-F107, Rev. FAA-CRS B4VR470K		TOTAL: 870.51

WO#: 2018 04431

Date Started: 10 SEP 2018
Date Completed: 10 SEP 2018

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3474.8



Form KFF-M-F10
FAA-CRS B4VR

A/C Total Time: 10058.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4813.2
LT Prop T.T.: 5185.8

Description of Work to be Performed					
1) EVENT 82 128 CAS Progressive 1282					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) EVENT 82 128 CAS Progressive 1282					
ASPPRAME:					
I certify that in accordance with CAS Progressive Inspection Program INSPECTION 1.077 # 2:					
1) The inspection of airframe and a detailed inspection of engine/propeller were performed.					
approved for return to service.					
C/N AD 2015-19-07 Fuel Injector lines inspection 128 Lycoming H80 3420. (NEXT DUE APPT: 10/15/18)					
128 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2018-18 for this aircraft.					
POWERPLANT:					
Engine Cylinders Compression: 81- (78 /80)Psi, 82- (78 /80)Psi, 83- (78 /80)Psi, 84- (78/80)Psi					
2) Fire Extinguisher 30 Day Visual Inspection					
ASPPRAME:					
Complied with fire extinguisher 30 Day visual inspection 128 Diamond DA-40-189 A N N. Ch. 24-00-00 (Next Due: 10/10/2018)					
Labor					
Small, S 1.4 001 14 Supervisor, S 2.3 001 14 Cooper, S 4.5 001 14					
6.3 0 17					
Parts Used					
Qty	Part #	Description	Serial#	Cost	Sub Total
1	0808110	OIL FILTER		15.14	15.14
1	AD01151	OIL SAMPLE KIT		4.50	4.50
1	58041184	OIL DRAIN 12828 DISASSEMBLY GUMBY		5.28	5.28
Maintenance Release		Work Order Totals			
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.		Labor 621.92			
Date: 9/10/18 Signed: [Signature]		Parts 60.71			
3030 East Falcon Dr. Mesa AZ 85205 Form KFF-M-F107, Rev. FAA-CRS B4VR470K		TOTAL: 682.63			

WO#: 2018 04716

Date Started: 27 SEP 2018
Date Completed: 28 SEP 2018

Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3537.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10121.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4676.0
LT Prop T.T.: 5248.0

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Description of Work to be Performed	
1) AD 22-05-04 - Ignition Switch Inspection	
2) L/R wing root has several cracks.	
3) L/R brake linkage worn.	
4) L/R main tire has a warped brake disc.	
5) L/R wing flap bellcrank bearing head broken.	
6) L/R wing post requires topcoat.	
7) Nose wheel fork bushings worn.	
8) Preliminary inspection.	
9) R/W brake linkage worn.	
10) R/W main tire has a warped brake disc.	
11) R/W wing tie down groove damaged.	

Maintenance/Repairs Performed	
1) AD 22-05-04 - Ignition Switch Inspection	
2) R/W AD 22-05-04 Ignition Switch Inspection and Lube (13M) ACS 4892-01 (ESET) OIL: 12 (1) 1 Hour (1877)	
3) L/R wing root has several cracks.	
4) Sandblasted, cleaned and inspected cracked areas on L/R wing root. Cracks found to be contained within paint layer. Work performed IAW Diamond DA40-180 AMM 11-20-00.	
5) L/R brake linkage worn.	
6) Replaced the L/R brake linkage with new linkage P/N AP664-16100 IAW the Cleveland Manual section 210.	
7) L/R main tire has a warped brake disc.	
8) Replaced the L/R main brake disc with a new disc P/N 49104-26400 IAW the Cleveland Manual section 210.	
9) L/R wing flap bellcrank bearing head broken.	
10) Installed a new terminal nut on flap push pull rod to bellcrank IAW ACS 13-28 sec. 11-14.	
11) L/R wing post requires topcoat.	
12) Top coated L/R wing root IAW DA40-180 AMM 11-20-00.	
13) Nose wheel fork bushings worn.	
14) Replaced RWL fork bushings with new P/N TWA51400-8 IAW DA40 AMM 12-27-00.	
15) Preliminary inspection	

WO#: 2018 04716

Date Started: 27 SEP 2018
Date Completed: 28 SEP 2018

Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3537.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10121.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4676.0
LT Prop T.T.: 5248.0

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Description of Work to be Performed	
1) C/W preliminary inspection, no defects noted.	
2) R/W brake linkage worn.	
3) Replaced the R/W brake linkage with new linkage P/N AP664-16100 IAW the Cleveland Manual section 210.	
4) R/W main tire has a warped brake disc.	
5) Replaced the R/W brake disc with a new disc P/N 49104-26400 IAW the Cleveland Manual section 210.	
6) R/W wing tie down groove damaged.	
7) Replaced the L & R tie down grooves as required. P/N 119725.	

Labor	
Sumner, J. 0.4 002 300	Sumner, J. 3.3 003 100
0.4 002 300	3.3 003 100
0.8 004 300	

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	119725	WASHER RUBBER, TIE-DOWN, DA-40/42		4.58	4.58
1	119725	WASHER RUBBER, TIE-DOWN, DA-40/42		4.58	9.16
2	AP664-16100-8	DA-40 RWL Fork Bushing		44.45	88.90
1	11-03454	ACE IGNITION SWITCH SERVICE KIT		14.83	14.83
1	AP664-16100	BRAKE LINKAGE, DA-40		11.57	11.57
2	49104-26400	BRAKE DISC, DA-40		147.15	294.30

Maintenance Release	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.	
Date: 9-28-2018	Signed: [Signature]
3030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K	

Work Order Totals	
Labor	871.47
Parts	561.73
TOTAL:	1,433.40

WO#: 2018 04963

Date Started: 14 OCT 2018
Date Completed: 15 OCT 2018

Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3503.4

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10176.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4731.0
LT Prop T.T.: 5304.4

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Description of Work to be Performed	
1) EVENT 84 IAW CME Progressive Insp	
2) Fire Extinguisher 30 Day Visual Inspection	

Maintenance/Repairs Performed	
1) EVENT 84 IAW CME Progressive Insp	
2) I certify that in accordance with CME Progressive Inspection Program CHECKPOINT EVENT 8.4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service. C/W AD 2015-10-07 Fuel Injector Line Inspection IAW Licensing 800 3410. CHECK OUT APT. 16, 27th & 1st Flight School AVF AD Status Events Reviewed and FAA Bi-weekly Checked Through 2018-20 for this aircraft.	
3) Fire Extinguisher 30 Day Visual Inspection	
4) Complied with Fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.N.M. Ch. 21-20-00. (Work Due: 11/14/2018)	

Labor	
WLD, T. 2.2 002 000	WLD, T. 0.3 002 000
2.2 002 000	0.3 002 000
2.5 004 100	

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	086110	OIL FILTER		15.14	15.14
1	AD41151	OIL SAMPLE KIT		8.50	8.50
1	85041144	OIL OILUM 10W50 DEFENSE BY QUART		9.79	37.03

Maintenance Release	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.	
Date: 10-15-2018	Signed: [Signature]
3030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K	

Work Order Totals	
Labor	975.17
Parts	60.71
TOTAL:	1,035.88

WO#: 2018 04964

Date Started: 14 OCT 2018
Date Completed: 15 OCT 2018

Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3503.4

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10176.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4731.0
LT Prop T.T.: 5304.4

Form KFF-M-F107, Rev.
FAA-CRS B4VR470K

Description of Work to be Performed	
1) Preliminary inspection	
2) R/W rubber cable frayed near seat	
3) Rear seat removed for PM of cable	

Maintenance/Repairs Performed	
1) Preliminary inspection.	
2) Performed preliminary inspection. No defects noted.	
3) R/W rubber cable frayed near engine on aft bulkhead.	
4) Replaced bellcrank to rudder, rudder cable pulley with new cable. Replaced cable 1/8" dia. 1/2" length and adjusted rudder travel and cable tension IAW DA40-180 sec. 11-20-00 and 11-20-01. Rudder travel and travel check satisfactory.	
5) Rear seat removed for PM of rubber cable repair.	
6) Reinstalled rear seat.	

Labor	
Grv, C. 1.8 007:10	
1.8 007:10	
3.6 014:20	

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
4	SL2-40	SLERVE CONTROL CABLE		1.14	4.56
40	SP125740RUBBER	Diamond Rubber Cable 1/8" DIA. (40' total)		3.78	151.20
4	DA-TH-12-12	Control Cable Thimble		5.83	23.32
2	SL2-40	SLERVE CONTROL CABLE		1.14	2.28
2	DA-TH-12-12	Control Cable Thimble		5.83	11.66
1	11-01360	SEAT ASSEMBLY TYP 1/2"		9.50	9.50

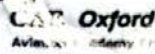
Maintenance Release	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.	
Date: 10-15-2018	Signed: [Signature]
3030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K	

Work Order Totals	
Labor	750.00
Parts	193.64
TOTAL:	943.64

WO#: 2018 05231

Date Started: 30 OCT 2018
Date Completed: 01 NOV 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3654.5



Form KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10238.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4792.9
LT Prop. T.T.: 5365.5

Description of Work to be Performed

- 1) Co-pilot carpet is unglued
- 2) corrosion on pilot's control stick
- 3) Flap asymmetrical tube boots are unglued
- 4) Fuel selector spins. Found roll pins in fuelage
- 5) High 141s (949)
- 6) ICH Appare Vision 1000 Inspection
- 7) ICH CP Quantity System Inspection
- 8) ICH 01000 Bonding Resistance Test - APTT - 3022
- 9) ICH 01000 Cooling Fans Check - APTT - 3022
- 10) ICH 01000 Cooling Fans Check - Data - 3022
- 11) ICH 01000 Lightning Protection Fuse Replace - APTT (3022/2022)
- 12) ICH 01000, GDU and Cooling Fans Inspection
- 13) Middle elevator roller is cracked
- 14) All dip stick wags w safety
- 15) PRELIMINARY INSPECTION
- 16) SE entry step is cracked

Maintenance/Repairs Performed

- 1) Co-pilot carpet is unglued
AIRCRAFT:
Re-glued carpet on co-pilot side as required.
- 2) corrosion on pilot's control stick
AIRCRAFT:
Removed corrosion, primed/painted pilot control stick per AC43 13 corrosion prevention.
- 3) Flap asymmetrical tube boots are unglued.
AIRCRAFT:
Re-glued 12002 flap asymmetrical tube boots as required.
- 4) Fuel selector spins. Found roll pins in fuelage
AIRCRAFT:
Re-secured fuel selector, spg check good.
- 5) High 141s (949)
AIRCRAFT:
Adjusted 141s setting 120 10-40-100 AMM ch. 74-00-00.
- 6) ICH Appare Vision 1000 Inspection
AIRCRAFT:
Inspected Vision 1000, before 12 months, including antenna components, camera components, operation, circuit breaker (see 120 AMM, 40045-00015, pg 11. Next Due Date: 11/2019).
- 7) ICH CP Quantity System Inspection
AIRCRAFT:

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2018 05231

WO#: 2018 05231

Date Started: 30 OCT 2018
Date Completed: 01 NOV 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3654.5



Form KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10238.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4792.9
LT Prop. T.T.: 5365.5

AIRCRAFT:

Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Area 452 system as required aircraft inspection per CD Quantity, CD-452-001, Rev. P, par. 7.0 and 8.0. Next Due APTT-10238.0.

8) ICH 01000 Bonding Resistance Test - APTT (3022/2022)

Performed 01000 system electrical bonding test after 1000 hours TIS 120 01000 MM, 120-0045-01, section 4.3 and 4.5. Next Due APTT: 11238.0.

9) ICH 01000 Cooling Fans Check - APTT - 3022

Performed operational check before 250 hours TIS of 01000 cooling fans per 01000 MM, 120-0045-01, Sec. 4.3 and 4.11. Next Due APTT: 10238.0.

10) ICH 01000 Cooling Fans Check - Data - 3022

Performed operational check before 12 calendar months of 01000 cooling fans per 01000 MM, 120-0045-01, Sec. 4.3 and 4.11. Next Due Date: 11/2019.

11) ICH 01000 Lightning Protection Fuse Replace - APTT (3022/2022)

Replaced all five lightning protection 3.2 amp slow-blow fuses after 24 calendar months per 01000 MM, 120-0045-01, page 4.1 and 4.11. Next Due Date: 11/2019.

12) ICH 01000, GDU and Cooling Fans Inspection

Performed, after 12 calendar months, complete visual inspection of 01000 system, check of GDU power/intercept function, and test of cooling fan function and failure annunciation 120 01000 system MM, 120-0045-01, Sec. 4.3, 4.4, 4.11 and 4.12. Next Due Date: 11/2019.

13) Middle elevator roller is cracked.

Replaced middle elevator roller with new PN 06-003 120 060-100 000 00-104

14) All dip stick wags w safety

Re-secured w/dip stick.

15) PRELIMINARY INSPECTION

N/A preliminary inspection. No defects noted.

16) SE entry step is cracked

SE entry step replaced w/dip stick step. SN, 06-00 2/10 000-102-02-00 00 required.

Labor

0001, D	0-3	001-10	0001, D	0-4	001-10	0001, D	0-3	001-10
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Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 05231

WO#: 2018 05231

Date Started: 30 OCT 2018
Date Completed: 01 NOV 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3654.5



Form KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10238.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4792.9
LT Prop. T.T.: 5365.5

Debuschere, S J 001-10 Cooperider, S J 001-10

25.4 25.20

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	004-1000-02-00	Peak Step P/N, 00-40		209.12	209.12
1	300-03001-01	PISTON, SLOW BLOW, 3.2 AMP		0.89	0.89
1	1100-1000PT	SHALDED WIRE 3/16 COPPER TINNED		1.43	1.43
1	0107037-04 000 5-02	POP RIVET		0.15	0.15
1	30004	WHT 5/16 2 1/2 BULK BOLL		10.47	10.47
1	0107037-04 000 5-02	POP RIVET		0.15	0.45
1	00-003	ROLLER OUTSIDE AMBY, REV "A"		35.82	35.82

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy/Phoenix Inc. Sited under this Work Order.

Work Order Totals

Labor 2,490.00
Parts 252.79
TOTAL: 2,752.87

Date: 11/1/18 Signed: [Signature]
8030 East Union St, Mesa AZ 85215 Form KFF-M-F107, Rev-FAA-CRS B4VR470K

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2018 05231

WO#: 2018 05230

Date Started: 30 OCT 2018
Date Completed: 01 NOV 2018

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3654.5



Form KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10238.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4792.9
LT Prop. T.T.: 5365.5

Description of Work to be Performed

- 1) EVENT 01 120 CAE Progressive 120P
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 01 120 CAE Progressive 120P
AIRCRAFT:
I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT # 1, a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service.
- C/W AD 2015-19-07 Fuel Injector Lines Inspection 120 Licensing MSB 3420. (NEXT DUE APTT: 10238.0)
- 141 Flight School ATP AD Status Sheets Reviewed and PRA 01-Weekly Checked Through 1014-22 for this aircraft.
- AIRCRAFT:
ELT Annual Inspection complied with as required by 14 CFR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with APTX Manual 970-1600/Revision AA. Battery Registration Date for ELT Transmitter is: 10/2021. Replaced switch battery if applicable, expires: 104/2019. Next ELT Annual Inspection due: (11/2019). ELT Registration if applicable: (10/23/2020).

- 2) Fire Extinguisher 30 Day Visual Inspection
AIRCRAFT:
Complied with fire extinguisher 30 Day visual inspection 120 Diamond DA-40-100 A.M.M. Ch. 14-00-00. (Next Due: 12/1/2018)

Labor

0001, D	0-3	001-10	0001, D	0-4	001-10	0001, D	0-3	001-10
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Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	000010	OIL FILTRM		13.14	13.14
1	000110	OIL SERVICE KIT		4.50	4.50
1	00001104	OIL OUN 15000 DISPERSE BY QUANT		5.28	17.43

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy/Phoenix Inc. Sited under this Work Order.

Work Order Totals

Labor 969.33
Parts 60.71
TOTAL: 1,030.04

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 05230

WO#: 2018 05548

Date Started: 15 NOV 2018
Date Completed: 16 NOV 2018

Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3721.3

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10304.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4859.7
LT Prop T.T.: 5432.3

Description of Work to be Performed	
11	EVENT 83 IAW CME Progressive Insp
21	Fire Extinguisher 30 Day Visual Inspection
Maintenance/Repairs Performed	
21	EVENT 83 IAW CME Progressive Insp
<p>ASPPRAME:</p> <p>I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT 8.3, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.</p> <p>C/W AD 2015-10-07 Fuel Injector Lines Inspection IAW Lymonig HSB 3420. (REVT 028 AFPT, 10404.8)</p> <p>141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-27 for this aircraft.</p>	
<p>FORFEPLAST:</p> <p>Engine Cylinders Compression: 01- (76/80179), 02- (76/80179), 03- (76/80179), 04- (76/80179)</p>	
21	Fire Extinguisher 30 Day Visual Inspection
<p>Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-40-189 A.N.M. Ch. 24-00-00. (Inst Due: 12/16/2018)</p>	
Labor	
Van Dyke, L	1.1 001.64
Brumer, J	1.3 001.17
Sheffield, M	1.4 001.31
Van Dyke, L	3.1 001.64
Fischer, A	1.1 001.64
13.0 13.00	
Maintenance Release	
<p>This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. tied under this Work Order.</p> <p>Date: <u>11-16-2018</u> Signed: _____</p> <p>8000 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K</p>	
Work Order Totals	
Labor	1,284.67
Parts	
TOTAL:	1,284.67

WO#: 2018 05549

Date Started: 15 NOV 2018
Date Completed: 16 NOV 2018

Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3721.3

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10304.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4859.7
LT Prop T.T.: 5432.3

Description of Work to be Performed	
11	CAT tube on pilot side defroster torn.
21	ICA O2 Guardian System Inspection
31	Idle too high 820 rpm.
41	Left hand wing timing off at 33°.
51	Mixture is not hitting full rich.
61	Preliminary inspection
71	R/R brake caliper leaking.
81	Sprocket inside tape is missing.
Maintenance/Repairs Performed	
11	CAT tube on pilot side defroster torn.
<p>ASPPRAME:</p> <p>Replaced in place of CAT tube on defroster as needed, p/n CATV.</p>	
21	ICA O2 Guardian System Inspection
<p>ASPPRAME:</p> <p>Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of O2 O2 system at required aircraft inspection per O2 Guardian, 01-013-201, Rev. P, par. 7.6 and 8.0. Inst Due AFPT, 10404.8.</p>	
31	Idle too high 820 rpm.
<p>FORFEPLAST:</p> <p>Adjusted idle to within limits IAW Diamond DA60-189 A.N.M. Ch. 76-00-00.</p>	
41	Left hand wing timing off at 33°.
<p>FORFEPLAST:</p> <p>Retimed left wing to 25° STD IAW Lymonig direct drive O/R manual sec. 8.</p>	
51	Mixture is not hitting full rich.
<p>FORFEPLAST:</p> <p>Adjusted mixture cable to contact stops IAW DA-40 Series A.N.M. sec. 24-00-00.</p>	
61	Preliminary inspection
<p>ASPPRAME:</p> <p>Complied with preliminary inspection, no defects noted.</p>	
71	R/R brake caliper leaking.
<p>FORFEPLAST:</p> <p>Revised leaking o-ring- p/n M928777-214 IAW Cleveland wheels and brake H/E section 200, leak check good, ope check good.</p>	
81	Sprocket inside tape is missing.
<p>FORFEPLAST:</p> <p>Installed Velcro tape p/n 021200-07756 as needed.</p>	

WO#: 2018 05549

Date Started: 15 NOV 2018
Date Completed: 16 NOV 2018

Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3721.3

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10304.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4859.7
LT Prop T.T.: 5432.3

Labor					
Van Dyke, L	0.3 001.17				
Brumer, J	0.4 001.17				
1.5 1.50					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	001200-07576	VELCRO TAPE FOR DIAMOND FUEL		2.77	2.77
1	001200-07576	TANKS		4.76	4.76
1	0028775-224	M08 11/2"		0.75	0.75
Maintenance Release					
<p>This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. tied under this Work Order.</p> <p>Date: <u>11-16-2018</u> Signed: _____</p> <p>8000 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K</p>					
Work Order Totals					
Labor	145.67				
Parts	7.97				
TOTAL:	153.64				

WO#: 2018 05695

Date Started: 25 NOV 2018
Date Completed: 28 NOV 2018

Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3774.7

CAE Oxford
Aviation Academy Phoenix

Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10358.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4913.7
LT Prop T.T.: 5485.7

Description of Work to be Performed					
11	EVENT 83 IAW CME Progressive Insp				
21	Fire Extinguisher 30 Day Visual Inspection				
Maintenance/Repairs Performed					
11	EVENT 83 IAW CME Progressive Insp				
<p>ASPPRAME:</p> <p>I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT 8.3, a routine inspection of engine/propeller, airframe and a detailed inspection of gear were performed and are approved for return to service.</p> <p>C/W AD 2015-10-07 Fuel Injector Lines Inspection IAW Lymonig HSB 3420. (2414.2)</p> <p>141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 11/27/18 aircraft.</p>					
21	Fire Extinguisher 30 Day Visual Inspection				
<p>ASPPRAME:</p> <p>Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-60-189 A.N.M. Ch. 24-00-00. (Inst Due: 12/16/2018)</p>					
Labor					
Small D	8.0 004.19				
Brumer, J	1.3 001.17				
15.4 15.19					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	0284110	OIL FILTER		18.14	18.14
1	0041151	OIL SAMPLE KIT		0.99	0.99
1	05041104	OIL DRAIN DRAIN DISCONNECT GUN		0.29	0.29
Maintenance Release					
<p>This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. tied under this Work Order.</p> <p>Date: <u>11-26-2018</u> Signed: _____</p> <p>8000 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K</p>					
Work Order Totals					
Labor	1,477.54				
Parts	60.71				
TOTAL:	1,538.29				

WO#: 2018 05696

Date Started: 25 NOV 2018
Date Completed: 26 NOV 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time:

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10358.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4913.1
LT Prop T.T.: 5485.7

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 400 Hour Inspection IAW O&B Progressive 1207
- Fuel filter is damaged
- High idle rpm. (830)
- TCO CO Guardian System Inspection
- L/R flap underside by tire needs paint touched up.
- Magneto replacement L/R
- Magneto replacement R/R
- Preliminary Inspection

Maintenance/Repairs Performed

- 400 Hour Inspection IAW O&B Progressive 1207
A/C/FW/ENG:
Complied with 400 Hour Inspection IAW O&B Progressive 1207.
- Fuel filter is damaged.
A/C/FW/ENG:
Removed damaged fuel filter and installed a new fuel filter, (p/n P2A375) IAW DA60-180 MM 28-29-00.
- High idle rpm. (830)
POWERPLANT:
Adjusted idle within limits IAW DA60 MM 76-00-00.
- TCO CO Guardian System Inspection
A/C/FW/ENG:
Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 402 system as required aircraft inspection per CO Guardian, 03-470-201, Rev. P, par. 7.0 and 8.0. Next Due APTT: 10455.2.
- L/R flap underside by tire needs paint touched up.
A/C/FW/ENG:
Painted area on L/R flap IAW Diamond DA60-180 MM ch. 51-20-00.
- Magneto replacement L/R.
POWERPLANT:
Removed timed out L/R magneto p/n 4347, w/n 18005699 and installed repaired magneto p/n 4347, w/n 17070510 IAW Lycoming O/H Manual sec. 4.
- Magneto replacement R/R.
POWERPLANT:
Removed timed out R/R magneto p/n 4370, w/n 18021294 and installed repaired magneto p/n 4370, w/n 17080047 IAW Lycoming O/H Manual sec. 4.
- Preliminary Inspection
A/C/FW/ENG:
Performed preliminary inspection. No defects noted.

WO#: 2018 05696

Date Started: 25 NOV 2018
Date Completed: 26 NOV 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3774.7

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10358.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4913.1
LT Prop T.T.: 5485.7

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

Qty	Part#	Description	Serial#	Cost	Sub Total
1	P2A375	FUEL FILTER		92.00	92.00
1	4347	MAGNETO SET ASSEMBLY		18.00	18.00
1	4370	MAGNETO SET ASSEMBLY		1.10	1.10
1	4347	MAGNETO DA 40/40 BLOCK	17070510	478.00	478.00
1	4347	MAGNETO DA 40/40 BLOCK	17070510	528.00	528.00

Labor		Work Order Totals	
GRiffin, B.	1.9	606.67	Labor
Edwards, D.	1.0	1,218.10	Parts
Skull, S.	1.0	TOTAL: 1,824.77	

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Filed under this Work Order.
Date: 11-26-2018 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

WO#: 2018 05994

Date Started: 10 DEC 2018
Date Completed: 11 DEC 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3832.2

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10415.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4970.6
LT Prop T.T.: 5543.2

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- EVENT #4 IAW O&B Progressive 1207
- Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- EVENT #4 IAW O&B Progressive 1207
A/C/FW/ENG:
I certify that in accordance with O&B Progressive Inspection Program INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of wing/eng was performed and are approved for return to service.
C/W AD 2018-10-07 Fuel Injector Lines Inspection IAW Lycoming MSB 3420. (NEXT DUE APTT: 10,515.7)
141 Flight School ATP AD Status Sheets Reviewed and FAA B1-Weekly Checked Through 2018-26 for this aircraft.
POWERPLANT:
Engine Cylinders Compression: 01- (72 /80)Psi, 02- (74 /80)Psi, 03- (76 /80)Psi, 04- (78/80)Psi
2) Fire Extinguisher 30 Day Visual Inspection
A/C/FW/ENG:
C/W Fire Extinguisher 30 Day Visual Inspection IAW Diamond DA-40-180 A.R.M. Ch. 26-00-00. (Next Due: 01/16/2019)

Labor					
Belleson, J.	0.5	000.30	Grummer, J.	0.4	000.30
Edwards, C.	1.9	001.10	Griffin, B.	1.0	001.10
Skull, S.	2.0	002.00	Vallero, J.	0.9	000.90

Qty	Part#	Description	Serial#	Cost	Sub Total
1	ADA1101	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL OUN 15W50 DISPOSE BY COMPT		5.29	37.03
3	CH48110	OIL FILTERS		15.18	45.39

Maintenance Release		Work Order Totals	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Filed under this Work Order. Date: 12-11-18 Signed: [Signature] 5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K		Labor	643.42
		Parts	60.71
		TOTAL:	704.13

WO#: 2018 05995

Date Started: 10 DEC 2018
Date Completed: 11 DEC 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3832.2

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10415.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4970.6
LT Prop T.T.: 5543.2

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- TCO CO Guardian System Inspection
- Preliminary Inspection
- slush startwire to left mag broken

Maintenance/Repairs Performed

- TCO CO Guardian System Inspection
A/C/FW/ENG:
Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero system as required aircraft inspection per CO Guardian, 03-470-201, Rev. P, par. 7.0 and 8.0. Next Due APTT: 10,515.7.
- Preliminary Inspection
A/C/FW/ENG:
C/W preliminary inspection. No defects found.
- slush startwire to left mag broken
A/C/FW/ENG:
replaced spoolid on wire IAW AC 43.13 ch 11-14

Labor					
Griffin, B.	0.4	000.10	Edwards, D.	0.4	000.10
Skull, S.	1.0	001.00			

Maintenance Release		Work Order Totals	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Filed under this Work Order. Date: 12-11-18 Signed: [Signature] 5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K		Labor	177.33
		Parts	
		TOTAL:	177.33

WO#: 2018 06191

Date Started: 21 DEC 2018
Date Completed: 23 DEC 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3896.5

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10480.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5034.6
LT Prop T.T.: 5807.5

Description of Work to be Performed

- 1) EVENT #1 IAW CAE Progressive Insp
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT #1 IAW CAE Progressive Insp
ALTFPANEL:
 I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT # 1, a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service. C/W AD 2015-15-07 Fuel Injector Lines Inspection IAW Lyring 320. (HEAT USE APTT: 10,580.0) 141 Flight School ATP AD Status Sheets Reviewed and FAA 91-Rec'd Checked Through 2018-25 for this aircraft.

ALTFWINGS:
 ELT Annual Inspection complied with as required by 14 CFR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with Manual 88046 570-1600 Revision AA Battery Inspection Data for ELT Transmitter 14-106/2021. Results switch battery if applicable, engine: (10/2020). Next ELT Annual Inspection Due: (12/2021). ELT Registration if applicable: (10/23/2020).

2) Fire Extinguisher 30 Day Visual Inspection
ALTFPANEL:
 Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 & M M Ch. 24-20-00 (Next Due: 01/23/2019)

Labor

1	3.0	001.00	Sumner, J.	3.0	001.20	Small, D.	2.1	002.04		
								9.3	9.18	

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	0046110	OIL FILTER		15.18	15.18
1	AP11111	OIL SAMPLE KIT		4.50	4.50
1	150041184	OIL DRUM 15W50 DISPENSE BY QUANT		1.29	1.29

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 12-23-2018 Signed: [Signature]
 9030 East Falcon Dr. Mesa AZ 85216 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

23

WO#: 2018 06192

Date Started: 21 DEC 2018
Date Completed: 23 DEC 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3896.5

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10480.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5034.6
LT Prop T.T.: 5807.5

Description of Work to be Performed

- 1) Battery to engine ground wire chaffing against wheel clamp.
- 2) Compass has multiple bubbles.
- 3) Compass wiring required for new compass.
- 4) O/C O2 quantity system inspection.
- 5) O/C O2000 Cooling Fans Check - APTT - 1023
- 6) L/W side canopy locking pin sleeve cone loose.
- 7) LH brake linkage worn.
- 8) LH caliper is beginning to leak.
- 9) Pilots control stick bushings worn.
- 10) Preliminary inspection.
- 11) LH brake linkage worn.

Maintenance/Repairs Performed

1) Battery to engine ground wire chaffing against wheel clamp.
ALTFPANEL:
 Installed spiral wrap on battery to engine ground wire to prevent further chaffing.

2) Compass has multiple bubbles.
ALTFPANEL:
 Replaced air bubble compass, (p/n P02C-28V, s/n 705311-02) and installed a new compass, (p/n P02C-28V, s/n 74852-10) IAW Regence installation instructions.

3) Compass wiring required for the new compass.
ALTFPANEL:
 Completed compass wiring IAW DA60-190 MM ch. 14-22-00.

4) O/C O2 Quantity System Inspection
ALTFPANEL:
 Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of zero 812 system as required aircraft inspection per O2 Quantity, 01-452-201, Rev. P, par. 7.6 and 8.8. Next Due APTT: 10750.0.

5) O/C O2000 Cooling Fans Check - APTT - 1023
ALTFPANEL:
 Performed operational check before 250 hours TIS of O2000 cooling fans per O2000 MM, 190-02045-01, Rev. 4.3 and 4.13. Next Due APTT: 10750.0.

6) L/W side canopy locking pin sleeve cone loose.
ALTFPANEL:
 Replaced canopy and door handle to re-install sleeve IAW Diamond DA40-180 MM ch. 51-15-00.

7) LH brake linkage worn.
ALTFPANEL:
 Inspected worn LH brake linkage and installed new linkage, (p/n AP044-14100) IAW Cleveland MM sec. 4.10.

8) LH caliper is beginning to leak.

Labor

1	2.2	002.10	Small, D.	4.3	004.00	Sumner, J.	5.3	005.14		
								11.5	11.62	

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	0046110	OIL FILTER		15.18	15.18
1	AP11111	OIL SAMPLE KIT		4.50	4.50
1	150041184	OIL DRUM 15W50 DISPENSE BY QUANT		1.29	1.29

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 1-9-19 Signed: [Signature]
 9030 East Falcon Dr. Mesa AZ 85216 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor	1,123.33
Parts	93.71
TOTAL:	1,217.04

WO#: 2018 06192

Date Started: 21 DEC 2018
Date Completed: 23 DEC 2018

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3896.5

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10480.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5034.6
LT Prop T.T.: 5807.5

Description of Work to be Performed

- 1) Pilots control stick bushings worn.
- 10) Preliminary inspection.
- 11) LH brake linkage worn.

1) Pilots control stick bushings worn.
ALTFPANEL:
 Replaced worn bushings from pilot control stick and installed new bushings p/n PAF1012091 IAW Diamond DA40-180 MM ch. 27-10-00

10) Preliminary inspection.
ALTFPANEL:
 C/W preliminary inspection. No additional defects found.

11) LH brake linkage worn.
ALTFPANEL:
 Replaced worn LH brake linkings and installed new linkings, (p/n AP044-14100) IAW Cleveland MM sec. 4.10

Labor

1	4.0	004.00	Sumner, J.	4.0	004.00	Small, D.	2.9	002.83		
								29.2	29.09	

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
2	40410-1	Connector Pin 10-34 AMG		0.49	0.98
2	PAF1012091	BUSHING COLLAR, BRONZE		5.70	11.40
1	M028778-234	O-RING		0.25	0.25
1	M028778-232	O-RING		0.41	0.41
4	07-20213	BRACE LINKING, DA-40		13.57	54.28
1	P02C-28V	COMPASS DA 40/42	70562-10	452.43	452.43

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 12-23-2018 Signed: [Signature]
 9030 East Falcon Dr. Mesa AZ 85216 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor	2,898.83
Parts	519.99
TOTAL:	3,418.82

WO#: 2019 00112

Date Started: 08 JAN 2019
Date Completed: 09 JAN 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 3055.6

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10539.9
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5093.9
LT Prop T.T.: 5068.9

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed	
1) ICA CO Guardian System Inspection	
2) LH and RH magnetos need to be timed	
3) Mixture not hitting full rich stop	
4) Preliminary Inspection	
Maintenance/Repairs Performed	
1) ICA CO Guardian System Inspection	
<p>Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of basic 432 system as required aircraft inspection per CO Guardian, 03-652-203, Rev. F, par. 7.0 and 8.0. Next Due APTT: 10,437.0</p>	
2) LH and RH magnetos need to be timed	
<p>Retimed LH and RH magnetos IAW Lycoming O/N Manual Sec 4</p>	
3) Mixture not hitting full rich stop	
<p>Adjusted mixture cable to hit full rich stop IAW DA60-100 ANM 73-00-00</p>	
4) Preliminary Inspection	
<p>C/W Preliminary inspection. No further defects noted</p>	
Labor	
Wolnik, J	1.9 00119
1.9 1.18	
Maintenance Release	
<p>This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix, AZ. Filed under this Work Order.</p>	
Date: 1-9-19	Signed: <i>[Signature]</i>
9030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K	
Work Order Totals	
Labor	130.00
Parts	
TOTAL:	130.00

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00112

WO#: 2019 00337

Date Started: 22 JAN 2019
Date Completed: 22 JAN 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4021.2

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10604.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5159.6
LT Prop T.T.: 5732.2

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed					
1) EVENT #1 IAW CAE Progressive Insp					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) EVENT #1 IAW CAE Progressive Insp					
<p>I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT # 1, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service.</p> <p>C/W AD 2018-19-07 Fuel Injector Lines Inspection IAW Lycoming PUB 3420. (NEXT DUE APTT: 10704.7)</p> <p>141 Flight School ATP AD Status Sheets Reviewed and FAA BI-weekly Checked Through 2019-01 for this aircraft.</p>					
2) Fire Extinguisher 30 Day Visual Inspection					
<p>Complied with Fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A/R N. Ch. 24-00-00 (Next Due: 02/21/19)</p>					
Labor					
Wolnik, J	7.8 7.47				
Parts Used					
Qty	Part#	Description	Serials	Cost	Sub Total
1	0244110	OIL FILTER		19.50	19.50
1	AD41151	OIL SAMPLE KIT		9.50	9.50
7	950041184	OIL DRUM 16950 FISSURE BY QUART		6.25	43.75
Maintenance Release					
<p>This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix, AZ. Filed under this Work Order.</p>					
Date: 1/22/19	Signed: <i>[Signature]</i>				
9030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K					
Work Order Totals					
Labor	778.33				
Parts	60.75				
TOTAL:	839.04				

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00337

WO#: 2019 00338

Date Started: 22 JAN 2019
Date Completed: 22 JAN 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4021.2

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10604.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5159.6
LT Prop T.T.: 5732.2

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed					
1) ICA CO GUARDIAN SYSTEM INSPECTION					
2) S/W DASH MAIN TIRE WORN					
3) Nut plate for instrument panel cover broke off					
4) Preliminary Inspection					
5) RH PFD POSITION LIGHT GREEN IS LOOP					
Maintenance/Repairs Performed					
1) ICA CO GUARDIAN SYSTEM INSPECTION					
<p>Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of basic 432 system as required aircraft inspection per CO Guardian, 03-652-203, Rev. F, par. 7.0 and 8.0. Next Due APTT: 10614.7</p>					
2) S/W DASH MAIN TIRE WORN					
<p>Installed repaired DASH main IAW DA60-100 ANM 32-00-00.</p>					
3) Nut plate for instrument panel cover broke off					
<p>Riveted nut plate back into place as required.</p>					
4) Preliminary Inspection					
<p>C/W preliminary inspection. No defects noted.</p>					
5) RH PFD POSITION LIGHT GREEN IS LOOP					
<p>Replaced R/W fwd position light w/new P/W WLA7512-24 nps check good IAW DA60-100 ANM ch 31-00-00.</p>					
Labor					
Wolnik, J	2.4 2.19				
Parts Used					
Qty	Part#	Description	Serials	Cost	Sub Total
1	DASH MAIN	DASH MAIN TIRE BUILT ASBY		129.00	129.00
1	WLA7512-24	LAMP, WARNING, 28V, 24W		13.26	13.26

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00338

WO#: 2019 00338

Date Started: 22 JAN 2019
Date Completed: 22 JAN 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4021.2

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10604.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5159.6
LT Prop T.T.: 5732.2

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Maintenance Release	
<p>This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix, AZ. Filed under this Work Order.</p>	
Date: 1/22/19	Signed: <i>[Signature]</i>
9030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K	
Work Order Totals	
Labor	231.57
Parts	15
TOTAL:	246.57

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00338

WO#: 2019 00489

Date Started: 30 JAN 2019

Date Completed: 30 JAN 2019

Reg#: 4174B
AC S/N: 40.932
MPG: DIAMOND
Model: DA-40
A/C Tach Time: 4077.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10880.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5215.4
LT Prop T.T.: 5788.0

Form KFF-M-F107, Rev-
FAA-CRS 84VR470K

Description of Work to be Performed

- 11 EVENT 84 IAW CAE Progressive Insp
21 Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 11 EVENT 84 IAW CAE Progressive Insp

AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT 8 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage was performed and are approved for return to service.

C/W AD 2019-19-07 Fuel Injector Line Inspection IAW Licensing MHA 3420 (NEXT DUE APTT: 10760.8)
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-02 For this aircraft.

AVIONICS:

Engine Cylinders Compression: 01- 1 70 /80/90, 02- 1 70 /80/90, 03- 1 70 /80/90, 04- 170 /80/90

- 21 Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.R.M. Ch. 24-02-00 (Next Due: 02/21/19)

Labor

Table with columns: Name, Rate, Hours, Total. Includes Fircher, A. and Cooperider, J.

Parts Used

Table with columns: Qty, Part#, Description, Serial#, Cost, Sub Total. Includes OIL FILTER, OIL SAMPLE KIT, OIL DRAIN 15000 DISPOSE BY QUART.

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Work Order Totals

Labor 623.33
PARTS 60.71
TOTAL: 684.04

29

WO#: 2019 00490

Date Started: 30 JAN 2019

Date Completed: 31 JAN 2019

Reg#: 4174B
AC S/N: 40.932
MPG: DIAMOND
Model: DA-40
A/C Tach Time: 4077.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10880.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5215.4
LT Prop T.T.: 5788.0

Form KFF-M-F107, Rev-
FAA-CRS 84VR470K

Description of Work to be Performed

- 11 01 Exhaust clamps are leaking
21 ICA CD Guardian System Inspection
31 Preliminary Inspection

Maintenance/Repairs Performed

- 11 01 Exhaust clamps are leaking

AIRFRAME:
Replaced 01 exhaust clamps with new PN 329-005 IAW 0840-180 AMM ch. 79-00-00

- 21 ICA CD Guardian System Inspection

AIRFRAME:
Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of basic 482 system as required aircraft inspection per CD Guardian, 01-482-201, Rev. 9, par. 7.0 and 8.0. Next Due APTT: 10770.5

- 31 Preliminary inspection

AIRFRAME:
C/W preliminary inspection no defects noted.

Labor

Table with columns: Name, Rate, Hours, Total. Includes Cooperider, J. and Fircher, A.

Parts Used

Table with columns: Qty, Part#, Description, Serial#, Cost, Sub Total. Includes CLAMP ASSET DIAMOND ONLY.

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Work Order Totals

Labor 180.00
PARTS 151.72
TOTAL: 331.72

WO#: 2019 00701

Date Started: 17 FEB 2019

Date Completed: FEB 2019

Reg#: 4174B
AC S/N: 40.932
MPG: DIAMOND
Model: DA-40
A/C Tach Time: 4141.6

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11725.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.:
LT Prop T.T.:

Form KFF-M-F107, Rev-
FAA-CRS 84VR470K

Description of Work to be Performed

- 11 EVENT 81 IAW CAE Progressive Insp
21 Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 11 EVENT 81 IAW CAE Progressive Insp

AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT 8 1, a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service. C/W AD 2019-19-07 Fuel Injector Line Inspection IAW Licensing MHA 3420 (NEXT DUE APTT: 10,825.1) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-03 for this aircraft.

AVIONICS:

ELT Annual Inspection complied with as required by 14 CFR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with Manual M804 570-1000 Revision AA. Battery Expiration Date for ELT Transmitter is: (04/2021). Recharge switch battery if applicable, engine: (18/2020). Next ELT Annual Inspection due: (02/2020). ELT Registration if applicable: (02/23/2020).

- 21 Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.R.M. Ch. 24-02-00 (Next Due: 01/21/2019)

Labor

Table with columns: Name, Rate, Hours, Total. Includes DeZurem, D., Duffile, R., Cooperider, J., Sheffield, R., Sawyer, S.

Parts Used

Table with columns: Qty, Part#, Description, Serial#, Cost, Sub Total. Includes OIL FILTER, OIL SAMPLE KIT, OIL DRAIN 15000 DISPOSE BY QUART.

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Work Order Totals

Labor 2,012.08
PARTS 60.71
TOTAL: 2,072.79

WOR 2019 0071

Date Started: 17 FEB 2019
Date Completed: 19 FEB 2019

Reg# 4179
AC SN: 40 892
MFG: DIAMOND
Model: DA-40
AC Tech Time: 4141.6

CAE Oxford
Aviation Academy (Phoenix)

AC Total Time: 10728.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 3980.0
LT Prop T.T.: 3980.0

Form NTP-6-F107, Rev. 1
FAA-CRO DIVISION

Maintenance Performed

- 1) Inspecting and Starting/Charging System Check (1000) - 1000
- 2) Inspecting and Starting/Charging System Check (1000) - 1000
- 3) Inspecting and Starting/Charging System Check (1000) - 1000
- 4) Inspecting and Starting/Charging System Check (1000) - 1000
- 5) Inspecting and Starting/Charging System Check (1000) - 1000
- 6) Inspecting and Starting/Charging System Check (1000) - 1000
- 7) Inspecting and Starting/Charging System Check (1000) - 1000
- 8) Inspecting and Starting/Charging System Check (1000) - 1000
- 9) Inspecting and Starting/Charging System Check (1000) - 1000
- 10) Inspecting and Starting/Charging System Check (1000) - 1000
- 11) Inspecting and Starting/Charging System Check (1000) - 1000
- 12) Inspecting and Starting/Charging System Check (1000) - 1000
- 13) Inspecting and Starting/Charging System Check (1000) - 1000
- 14) Inspecting and Starting/Charging System Check (1000) - 1000

Maintenance/Repairs Performed

- 1) Inspecting and Starting/Charging System Check (1000) - 1000
- 2) Inspecting and Starting/Charging System Check (1000) - 1000
- 3) Inspecting and Starting/Charging System Check (1000) - 1000
- 4) Inspecting and Starting/Charging System Check (1000) - 1000
- 5) Inspecting and Starting/Charging System Check (1000) - 1000
- 6) Inspecting and Starting/Charging System Check (1000) - 1000
- 7) Inspecting and Starting/Charging System Check (1000) - 1000
- 8) Inspecting and Starting/Charging System Check (1000) - 1000
- 9) Inspecting and Starting/Charging System Check (1000) - 1000
- 10) Inspecting and Starting/Charging System Check (1000) - 1000
- 11) Inspecting and Starting/Charging System Check (1000) - 1000
- 12) Inspecting and Starting/Charging System Check (1000) - 1000
- 13) Inspecting and Starting/Charging System Check (1000) - 1000
- 14) Inspecting and Starting/Charging System Check (1000) - 1000

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2019-0071

WOR 2019 00702

Date Started: 17 FEB 2019
Date Completed: 19 FEB 2019

Reg# 41740
AC SN: 40 892
MFG: DIAMOND
Model: DA-40
AC Tech Time: 4141.6

CAE Oxford
Aviation Academy (Phoenix)

AC Total Time: 10728.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 3980.0
LT Prop T.T.: 3980.0

Form NTP-6-F107, Rev. 1
FAA-CRO DIVISION

Maintenance Performed

- 1) Inspecting and Starting/Charging System Check (1000) - 1000
- 2) Inspecting and Starting/Charging System Check (1000) - 1000
- 3) Inspecting and Starting/Charging System Check (1000) - 1000
- 4) Inspecting and Starting/Charging System Check (1000) - 1000
- 5) Inspecting and Starting/Charging System Check (1000) - 1000
- 6) Inspecting and Starting/Charging System Check (1000) - 1000
- 7) Inspecting and Starting/Charging System Check (1000) - 1000
- 8) Inspecting and Starting/Charging System Check (1000) - 1000
- 9) Inspecting and Starting/Charging System Check (1000) - 1000
- 10) Inspecting and Starting/Charging System Check (1000) - 1000
- 11) Inspecting and Starting/Charging System Check (1000) - 1000
- 12) Inspecting and Starting/Charging System Check (1000) - 1000
- 13) Inspecting and Starting/Charging System Check (1000) - 1000
- 14) Inspecting and Starting/Charging System Check (1000) - 1000

Maintenance/Repairs Performed

- 1) Inspecting and Starting/Charging System Check (1000) - 1000
- 2) Inspecting and Starting/Charging System Check (1000) - 1000
- 3) Inspecting and Starting/Charging System Check (1000) - 1000
- 4) Inspecting and Starting/Charging System Check (1000) - 1000
- 5) Inspecting and Starting/Charging System Check (1000) - 1000
- 6) Inspecting and Starting/Charging System Check (1000) - 1000
- 7) Inspecting and Starting/Charging System Check (1000) - 1000
- 8) Inspecting and Starting/Charging System Check (1000) - 1000
- 9) Inspecting and Starting/Charging System Check (1000) - 1000
- 10) Inspecting and Starting/Charging System Check (1000) - 1000
- 11) Inspecting and Starting/Charging System Check (1000) - 1000
- 12) Inspecting and Starting/Charging System Check (1000) - 1000
- 13) Inspecting and Starting/Charging System Check (1000) - 1000
- 14) Inspecting and Starting/Charging System Check (1000) - 1000

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2019-00702

WOR 2019 00702

Date Started: 17 FEB 2019
Date Completed: 19 FEB 2019

Reg# 41740
AC SN: 40 892
MFG: DIAMOND
Model: DA-40
AC Tech Time: 4141.6

CAE Oxford
Aviation Academy (Phoenix)

AC Total Time: 10728.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 3980.0
LT Prop T.T.: 3980.0

Form NTP-6-F107, Rev. 1
FAA-CRO DIVISION

Maintenance Release

This aircraft, engine, propeller or appliance identifier shown, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Full details of the repair/inspection are on the in-life status Aviation Academy Phoenix log. See under the Work Order.

Date: 2/19/19
Signature: [Signature]

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2019-00702

WO#: 2019 00917

Date Started: 04 MAR 2019
Date Completed: 06 MAR 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4200.7

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10784.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5339.1
LT Prop T.T.: 5911.7

Description of Work to be Performed

- 1) EVENT #2 IAW CME Progressive Insp
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

AIRFRAME

I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.

C/W AD 2015-10-07 Fuel Injector Lines Inspection IAW Licensing MMR 3490. (CHECK OUR APPY: 16,894.3)
141 Flight School ATY AD Status Sheets Reviewed and FAA 81-Weekly Checked Through 2019-05 for this aircraft.

POWERPLANT

Engine Cylinders Compression: 01- (76/80)Psi, 02- (76/80)Psi, 03- (78/80)Psi, 04- (78/80)Psi

2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A.R.M. Ch. 26-00-00. (Next Due: 04/09/2019)

Labor

Elcher, A.	2.5	002.24	Comptroller, J. K.	001.31	Edwards, D.	0.8	000.43	Jones, D.	2.5	002.25
Sheffield, M.	4.0	004.40	Wolfflin, M.	0.0	000.00					
12.7 12:40										

Parts Used

QTY	PART#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.18	15.18
1	ROK1151	OIL SAMPLE KIT		6.50	6.50
7	55004124	OIL DRUM 15W50 DISPENSE BY QUART		9.29	65.03

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3/6/19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor 1,263.08
Parts 69.71
TOTAL: 1,332.79

WO#: 2019 00918

Date Started: 04 MAR 2019
Date Completed: 06 MAR 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4200.7

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10784.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5339.1
LT Prop T.T.: 5911.7

Description of Work to be Performed

- 1) 400 Hour Inspection IAW CME Progressive Insp
- 2) alternate air cable connection on top of the valve is loose and worn.
- 3) AVDAS placards on wings are no longer legible.
- 4) battery box cooling hose is deteriorated and not secured
- 5) Cabin heat flexible hose is deteriorated and not installed properly between muffler and firewall.
- 6) IOW CO Guardian System Inspection
- 7) left magneto replacement
- 8) Muffler bracket bolt loose.
- 9) Pilots overhead map light insp.
- 10) Preliminary Inspection
- 11) prop spinner backplate has what appears to be a possible crack around one of the mounting holes
- 12) R/W mag ground wire needs repair, has a break in the insulation
- 13) right magneto replacement
- 14) Rubber Cable Replace., Pilot Firewall to Bellcrank Pair (Wm-Reg.)

Maintenance/Repairs Performed

AIRFRAME

Complied with 400 Hour Inspection IAW CME Progressive Insp.

2) alternate air cable connection on top of the valve is loose and worn.
Removed and replaced alternate air valve with all new parts. In ref. to DAAO AMN 71-00-00 P/W D61-7166-20-32, D61-7166-20-33, D61-7166-20-31, AD-008-043, D61-9071-03-01, D61-7166-20-30

3) AVDAS placards on wings are no longer legible.
Removed worn AVDAS placards and installed new placards P/W D61-1117-10-22 as needed.

4) battery box cooling hose is deteriorated and not secured
Rat battery cooling hose with new in ref. to DAAO AMN 21-00-00

5) Cabin heat flexible hose is deteriorated and not installed properly between muffler and firewall.
Rat cabin heat HOSE hose with new in ref. to DAAO AMN 21-00-00

6) IOW CO Guardian System Inspection

Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 412 system as required strength inspection per CO Guardian, 01-412-201, Rev. P, par. 7.0 and 8.0. Next Due APPY: 10,894.3 Replaced CO detector P/W 412-201-010 R/W 93920 with new P/W 412-201-01008 R/W 65379

7) left magneto replacement

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-6-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor 1,263.08
Parts 69.71
TOTAL: 1,332.79

WO#: 2019 00918

Date Started: 04 MAR 2019
Date Completed: 06 MAR 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4200.7

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10784.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5339.1
LT Prop T.T.: 5911.7

AIRFRAME

removed left magneto P/W 4347 R/W 1700055 and replaced with new magneto P/W 4347 R/W 1700025 IAW Licensing manual manual sec. 72-00-03

8) Muffler bracket bolt loose.
Tightened muffler bracket bolt as needed.

9) Pilots overhead map light Insp.

Removed and replaced pilot overhead light with light Assy. D60-3313-11-08_1 in ref. to DAAO AMN 21-00-00.

10) Preliminary Inspection

C/W preliminary inspection. No defects noted.

11) prop spinner backplate has what appears to be a possible crack around one of the mounting holes
Inspected prop backplate spinner bluish in metal no crack, back plate ok for service

12) R/W mag ground wire needs repair, has a break in the insulation
repaired R/W mag ground wire as needed

13) Flight Magneto replacement

removed right magneto P/W 4370 R/W 1700047, and replaced with repaired magneto P/W 4370 R/W 15061397 IAW Licensing manual manual sec. 72-00-03

14) Rubber Cable Replace., Pilot Firewall to Bellcrank Pair (Wm-Reg.)

Replaced pilot firewall to bellcrank rubber cable pair with new cable 2W 47127202cracked, eyelate P/W 06-701-12-12 and wingtip 2W 412-01. swapped cable IAW AC 43-12-10. Rigged and adjusted rubber travel IAW Diamond D60-100 AMN Ch 64-00 and 27-20. Operational and travel check satisfactory. R/W CAE 00502 and CAE 00503

Labor

Jones, D.	4.0	004.00	Comptroller, J. K.	001.31	Edwards, D.	0.8	000.43	Jones, D.	4.0	004.00
Sheffield, M.	0.0	000.00	Wolfflin, M.	0.0	000.00					
17.5 17:30										

Parts Used

QTY	PART#	Description	Serial#	Cost	Sub Total
1	4347	MAGNETO		9.55	9.55
1	765-7166-20-32	VALVE		207.32	207.32
1	041-2971-02-01	PLACARD		6.40	6.40
1	041-7166-20-32	VALVE		326.79	326.79
2	AS-564-042	CABLE		6.60	12.96
1	ROK 12	OIL KIT		10.10	10.10
4	09-700-10-10	CONSOLE		24.00	96.00
3	093-5640-00-04	SHIMMING		9.07	27.14
4	0P157925CRACKED	DIAMOND RUBBER		3.75	15.00
4	SLD-49	SLAVE CONTROL CABLE		1.10	4.40
1	D61-7166-20-31	VALVE		144.50	144.50
1	PR-00508	AIR FILTER		105.14	105.14
2	0P12693	CRACKED MAGNETO, LH WING		1.30	2.60
1	D60-3313-11-08_01	MAP LIGHT		165.70	165.70
2	D61-1117-10-22	PLACARD FUEL TANK (765/20 US Gal)		6.43	12.86
1	452-201-0108X	CO DETECTOR		0.00	0.00
1	4370	MAGNETO RIGHT SLICK		475.00	475.00
1	4347	MAGNETO DA 40/42 SLICK		1,141.49	1,141.49

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-6-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor 1,263.08
Parts 1,756.34
TOTAL: 3,019.42

WO#: 2019 00918

Date Started: 04 MAR 2019
Date Completed: 06 MAR 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4200.7

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

A/C Total Time: 10784.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5339.1
LT Prop T.T.: 5911.7

Description of Work to be Performed

- 1) 400 Hour Inspection IAW CME Progressive Insp
- 2) alternate air cable connection on top of the valve is loose and worn.
- 3) AVDAS placards on wings are no longer legible.
- 4) battery box cooling hose is deteriorated and not secured
- 5) Cabin heat flexible hose is deteriorated and not installed properly between muffler and firewall.
- 6) IOW CO Guardian System Inspection
- 7) left magneto replacement
- 8) Muffler bracket bolt loose.
- 9) Pilots overhead map light insp.
- 10) Preliminary Inspection
- 11) prop spinner backplate has what appears to be a possible crack around one of the mounting holes
- 12) R/W mag ground wire needs repair, has a break in the insulation
- 13) right magneto replacement
- 14) Rubber Cable Replace., Pilot Firewall to Bellcrank Pair (Wm-Reg.)

Maintenance/Repairs Performed

AIRFRAME

Complied with 400 Hour Inspection IAW CME Progressive Insp.

2) alternate air cable connection on top of the valve is loose and worn.
Removed and replaced alternate air valve with all new parts. In ref. to DAAO AMN 71-00-00 P/W D61-7166-20-32, D61-7166-20-33, D61-7166-20-31, AD-008-043, D61-9071-03-01, D61-7166-20-30

3) AVDAS placards on wings are no longer legible.
Removed worn AVDAS placards and installed new placards P/W D61-1117-10-22 as needed.

4) battery box cooling hose is deteriorated and not secured
Rat battery cooling hose with new in ref. to DAAO AMN 21-00-00

5) Cabin heat flexible hose is deteriorated and not installed properly between muffler and firewall.
Rat cabin heat HOSE hose with new in ref. to DAAO AMN 21-00-00

6) IOW CO Guardian System Inspection

Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 412 system as required strength inspection per CO Guardian, 01-412-201, Rev. P, par. 7.0 and 8.0. Next Due APPY: 10,894.3 Replaced CO detector P/W 412-201-010 R/W 93920 with new P/W 412-201-01008 R/W 65379

7) left magneto replacement

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particular details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-6-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor 1,263.08
Parts 1,756.34
TOTAL: 3,019.42

WO#: 2019 01128

Date Started: 18 MAR 2019
Date Completed: 19 MAR 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4257.7

Oxford
Aviation Academy Phoenix

A/C Total Time: 10841.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5306.1
LT Prop T.T.: 5068.7

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 11 EVENT 83 IAW CME Progressive Insp
- 21 Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT # 1, a routine inspection of engine/propeller, airframe and a detailed inspection of landing gear were performed and are approved for return to service.

C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Licensing MMR 3420 (NEXT DUE APTT: 10,943.3)

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked through 2019-03 for this aircraft.

21 Fire Extinguisher 30 Day Visual Inspection
Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-06. (Next Due: 04/01/2019)

Labor

Johnson, D.	0.6	000-20	Cooper/Tiber, J.	3.3	001-10	Stiffin, B.	1.3	001-10	Lawyer, S.	1.2	003-00
Crumer, J.	1.2	001-04									
9.3 9:15											

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.43	15.43
1	A041151	OIL SAMPLE KIT		8.50	8.50
7	55041144	OIL DRUM 15910 DEFENSE BY QUART		4.44	31.08

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-19-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-MF107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	925.00
Parts	55.34
TOTAL:	980.34

WO#: 2019 01129

Date Started: 18 MAR 2019
Date Completed: 19 MAR 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4257.7

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10841.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5306.1
LT Prop T.T.: 5068.7

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 11 #1 exhaust clamp leaking
- 21 #1 exhaust clamp are leaking
- 31 Brake clip on L/R gear cracked
- 41 P/W upper through bolt is leaking at #2 cylinder
- 51 308 O2 Guardian System Inspection
- 61 Muffler support brace is cracked
- 71 Preliminary Inspection
- 81 #2 brake linings worn

Maintenance/Repairs Performed

11 #1 exhaust clamp leaking
Replaced #1 exhaust clamp P/N 229-005 with new IAW DA40-180 AMM ch. 78-00-00

21 #1 exhaust clamp are leaking
Replaced #3 exhaust clamp P/N 229-005 with new IAW DA40-180 AMM ch. 78-00-00

31 Brake clip on L/R gear cracked
Installed new brake clip P/N 420420_1 with Loctite BA 408 per adhesive package instructions

41 P/W upper through bolt is leaking at #2 cylinder
Verified crankcase ford upper and lower through bolt torque IAW Licensing 10-140-WIA O/W manual 78-00-04

51 308 O2 Guardian System Inspection
Performed Particulate Scheduled Preventative Maintenance test/checks and visual inspection of Area 412 system at required aircraft inspection per O2 Guardian, 03-652-201, Rev. F, par. 7.0 and 8.0. Next Due APTT: 10841.2

61 Muffler support brace is cracked
Installed new muffler support brace/p/n 041-7804-20-011 IAW DA40-180 AMM 78-00-00

71 Preliminary inspection
C/W preliminary inspection, no defects noted

81 #2 brake linings worn
Installed new linings p/n 07-20412 IAW Cleveland manual Sect 200.

Labor

Johnson, D.	0.6	000-20	Cooper/Tiber, J.	3.3	001-10	Stiffin, B.	1.3	001-10	Lawyer, S.	1.2	003-00
Crumer, J.	1.2	001-04									
9.3 9:15											

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.43	15.43
1	A041151	OIL SAMPLE KIT		8.50	8.50
7	55041144	OIL DRUM 15910 DEFENSE BY QUART		4.44	31.08

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-19-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-MF107, Rev - FAA-CRS B4VR470K

WO#: 2019 01129

Date Started: 18 MAR 2019
Date Completed: 19 MAR 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4257.7

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10841.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5306.1
LT Prop T.T.: 5068.7

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 11 EVENT 84 IAW CME Progressive Insp
- 21 Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of engineage performed and are approved for return to service.

C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Licensing MMR 3420 (NEXT DUE APTT: 11004.1)

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked through 2019-04 for this aircraft.

21 Fire Extinguisher 30 Day Visual Inspection
Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-06. (Next Due: 05/01/2019)

Labor

Johnson, D.	1.3	001-10	Stiffin, B.	0.7	000-41	Crumer, J.	2.3	002-10	Cooper/Tiber, J.	1.3	001-11
Rayner, R.	0.3	000-10									
6.0 5:59											

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
2	229-005	CLAMP ASSY DIAMOND ONLY		81.49	162.98
2	229-006	CLAMP ASSY DIAMOND ONLY		81.49	162.98
1	041-7804-20-01	MUFFLER BRACE		66.24	66.24
1	07-20212	BRAKE LININGS, DA-40		13.57	21.14
1	420420_1	BRAKE CLIP		22.82	22.82

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 3-19-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-MF107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	598.33
Parts	444.96
TOTAL:	1,043.29

WO#: 2019 01336

Date Started: 01 APR 2019
Date Completed: 01 APR 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4321.3

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10004.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5459.7
LT Prop T.T.: 6032.3

Form: KFF-MF107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 11 EVENT 84 IAW CME Progressive Insp
- 21 Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of engineage performed and are approved for return to service.

C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Licensing MMR 3420 (NEXT DUE APTT: 11004.1)

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked through 2019-04 for this aircraft.

21 Fire Extinguisher 30 Day Visual Inspection
Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-06. (Next Due: 05/01/2019)

Labor

Hilliard, S.	1.5	001-20	Garola, G.	2.7	001-10	Staffield, M.	1.0	002-10	Hall, D.	2.3	002-10
Rowland, J.	2.7	002-01									
11.1 11:04											

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.43	15.43
1	A041151	OIL SAMPLE KIT		8.50	8.50
7	55041144	OIL DRUM 15910 DEFENSE BY QUART		4.44	31.08

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 4-1-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-MF107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	1,095.33
Parts	55.34
TOTAL:	1,150.67

WO#: 2019 01337

Date Started: 01 APR 2019
Date Completed: 01 APR 2019

Reg#: 4174B
AC SN: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4321.3

CAE Oxford
Aviation Academy Phoenix
Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10904.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5459.7
LT Prop T.T.: 6032.3

Description of Work to be Performed	
1)	RT rocker cover gasket needs replaced
2)	Alternator quit working on run-up
3)	TCR CO Guardian system inspection
4)	Left brake linings are worn
5)	Left main tire has two flat spots
6)	Preliminary inspection.
7)	Section of door seal loose on pilots side
Maintenance/Repairs Performed	
1)	RT rocker cover gasket needs replaced AIRFRAME: Installed new rocker cover gasket P/N 75904 12M Lycoming O/R man sec 4
2)	Alternator quit working on run-up AIRFRAME: Found broken wire at field connection installed new terminal and as needed no further defects found.
3)	TCR CO Guardian system inspection AIRFRAME: Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 473 system at required aircraft inspection per CO Guardian, 03-473-201, Rev. F, par. 7.0 and 8.0 Max Due ADTT: 10934.8
4)	Left brake linings are worn AIRFRAME: Replaced L/R brake linings with new P/N 07-20212 12M Cleveland MM sec. 300
5)	Left Main tire has two flat spots. AIRFRAME: Removed L/R main tire and installed new tire P/N 072-314-0 and tube P/N 092-999-0 12M Cleveland MM sec. 300
6)	Preliminary inspection. AIRFRAME: C/W preliminary inspection. No further defects noted.
7)	Section of door seal loose on pilots side AIRFRAME: Resecured door seal using RTV
Labor	
Cleveland, J.	0.2 000.00
Wall, D.	2.7 000.00
Millard, B.	2.7 000.00
	5.6 000.00

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 01337

26

WO#: 2019 01337

Date Started: 01 APR 2019
Date Completed: 01 APR 2019

Reg#: 4174B
AC SN: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4321.3

CAE Oxford
Aviation Academy Phoenix
Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10904.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5459.7
LT Prop T.T.: 6032.3

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	75904	Valve/rocker Cover Gasket		0.20	0.20
1	092-999-0	TUBE (INNER) COUPL		40.00	40.00
2	07-20212	SHAKE LININGS, DR-40		13.17	26.34
1	072-314-0	TIRE 4.00 X 4.4 DLF MICHELIN 2440		89.11	89.11
1	092-999-0	AND TUBE MAIN TIRE		0.20	0.20
1	092-999-0	RTV 1/4" - 20 SELF CURE		0.20	0.20
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy Phoenix Inc. filed under this Work Order.					
Date: 4/1/19				Signed: [Signature]	
5070 East Falcon Dr. Mesa AZ 85215 Phone: 480-427-1077, Fax: FAA-CRS B4VR470K					
Work Order Totals					
Labor				493.50	
Parts				169.74	
TOTAL:				663.24	

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 01337

WO#: 2019 01545

Date Started: 14 APR 2019
Date Completed: 15 APR 2019

Reg#: 4174B
AC SN: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4373.0

CAE Oxford
Aviation Academy Phoenix
Form KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 10906.9
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5114.4
LT Prop T.T.: 6140.0

Description of Work to be Performed					
1)	EVENT #1 12M CAE Progressive 1202				
2)	Fire Extinguisher 30 Day Visual Inspection				
Maintenance/Repairs Performed					
1)	EVENT #1 12M CAE Progressive 1202 AIRFRAME: I certify that in accordance with CAE Progressive Inspection program INSPECTION EVENT # 1. - a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service. C/W AD 2015-12-07 Fuel Injector Lines inspection 12M Lycoming M20 3430. 141 Pilger School RTV AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2019-07 for this aircraft. AIRFRAME: ELT Annual Inspection complied with as required by 14 CFR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with Manual M200 970-1600 Revision AA Battery Expiration Date for ELT Transmitter is: 108/2021. Batteries with battery if applicable, expires: 10/2020. Next ELT Annual Inspection due: 10/2020. ELT Registration if applicable: 10/23/2020.				
2)	Fire Extinguisher 30 Day Visual Inspection AIRFRAME: Complied with fire extinguisher 30 Day Visual Inspection 12M Diamond DA-40-180 A.H.R. Ch. 24-02-02. (Next Due: 05/15/2019)				
Labor					
Edwards, D.	4.2 004.11				
Parsons, J.	2.4 002.30				
	6.6 006.41				
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	084119	OIL FILTER		11.62	11.62
1	ACR1151	OIL SAMPLE KIT		0.10	0.10
1	55041184	OIL DRUM 15W50 DISPENSE BY QUANT		0.64	0.64
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy Phoenix Inc. filed under this Work Order.					
Date: 4/15/19				Signed: [Signature]	
5070 East Falcon Dr. Mesa AZ 85215 Phone: 480-427-1077, Fax: FAA-CRS B4VR470K					
Work Order Totals					
Labor				657.42	
Parts				53.34	
TOTAL:				710.76	

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 01545

WO#: 2019 01546

Date Started: 14 APR 2019
Date Completed: 15 APR 2019

Reg#: 417
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4373.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10056.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5511.4
LT Prop T.T.: 8084.0

Form: KFF-MF107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) Preliminary Inspection.
- 2) ICA CD Guardian Sensor Replacement
- 3) ICA CD Guardian System Inspection
- 4) ICA G1000 Cooling Fans Check - APTT - 1st
- 5) ICA G1000 Cooling Fans Check - Date - 2nd
- 6) Mixture return spring is broken.
- 7) Passenger map light loop
- 8) Pilot side wing anti-ice tape is torn.
- 9) LH and RH wing tie down grommets deteriorated
- 10) Tris cable grommet at apex torn.
- 11) Tris wheel offset

Maintenance/Repairs Performed

- 1) Preliminary Inspection.
A/C/F: C/W Preliminary inspection no additional defects found.
- 2) ICA CD Guardian Sensor Replacement
A/C/F: Removed CD Guardian Aero Sensor SN: 452-201-01092 SN: (85379) before 7-years-service life and installed remanufactured P/N 452-201-01092 SN: (85344) and calibrated per CD Guardian, 03-452-201, Rev. F, par. 8.0. Next Due Date: 04/2024.
- 3) ICA CD Guardian System Inspection
A/C/F: Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 452 system as required aircraft inspection per CD Guardian, 03-452-201, Rev. F, par. 7.0 and 8.0. Next Due APTT: 11014.9
- 4) ICA G1000 Cooling Fans Check - APTT - 1st
A/C/F: Performed operational check before 250 hours TIS of G1000 cooling fans per G1000 MM, 190-0045-01, Sec. 4.3 and 4.13. Next Due APTT: 11014.9.
- 5) ICA G1000 Cooling Fans Check - Date - 2nd
A/C/F: Performed operational check before 12 calendar months of G1000 cooling fans per G1000 MM, 190-0045-01, Sec. 4.3 and 4.13. Next Due Date: 04/2020.
- 6) Mixture return spring is broken.
A/C/F: Removed broken mixture return spring and installed a new spring (P/N 82-0438-132) IAN DA60-180 AMN 76-00-00
- 7) Passenger map light loop
A/C/F: Cleaned bulb contacts for passenger map light as needed. ops check good.

WO#: 2019 01546

Date Started: 14 APR 2019
Date Completed: 15 APR 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4373.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10056.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5511.4
LT Prop T.T.: 8084.0

Form: KFF-MF107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 8) Pilot side wing anti-ice tape is torn.
A/C/F: Removed torn pilot's side wing anti-ice tape and installed new tape (P/N 3994) as needed.
- 9) LH and RH wing tie down grommets deteriorated.
A/C/F: Removed deteriorated LH and RH wing tie down grommets and installed new grommets (P/N 11928) as needed.
- 10) Tris cable grommet at apex torn.
A/C/F: Installed new grommet P/N: 80231 as needed.
- 11) Tris wheel offset
A/C/F: Cleaned elevator tris friction as needed. ops check good.

Labor

Edwards, D.	1.9	001.0	Drumner, J.	5.0	004.11
				6.9 6.49	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	30004	APTT DECD BOLA PULL		6.44	6.44
1	82-0438-132	SPRING		5.13	5.13
2	11928	WASHER RUBBER, TIE-DOWN, DA-40/42		4.14	8.28
1	80231	WHEEL		1.37	1.37
1	00000	CRUSET		0.00	0.00
1	452-201-01092	CD DETECTOR DA60/42 GUARDIAN	15946	0.00	0.00

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 5/1/19 Signed: [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-MF107, Rev- FAA-CRS B4VR470K

Work Order Totals

Labor	672.33
Parts	24.38
TOTAL:	696.91

WO#: 2019 01879

Date Started: 03 MAY 2019
Date Completed: 04 MAY 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4440.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11023.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5578.4
LT Prop T.T.: 8151.0

Form: KFF-MF107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) EVENT 82 IAN CAE Progressive INSP
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 82 IAN CAE Progressive INSP
A/C/F: I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT 8.2.4 routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service. C/W AD 2015-19-07 Fuel Injectors lines inspection IAN Licensing RIB 3420. (NEXT DUE APTT: 11123.5) IAN Flight School ATP AD status sheets reviewed and FAA Bi-Weekly Checked Through 2018-09 for this aircraft.
- POWERPLANT:
Engine Cylinders Compression: 81 - 74 /80/Fai, 82 - 74 /80/Fai, 83 - 74 /80/Fai, 84 - 74 /80/Fai
- 2) Fire Extinguisher 30 Day Visual Inspection
A/C/F: Complied with fire extinguisher 30 day visual inspection IAN Diamond DA-40-180 A.N.H. Ch. 24-00-00. (Next Due: 04/03/2019)

Labor

Drumner, J.	2.0	000.00	Cooper, D.	2.4	000.19	Small, D.	4.1	004.40	Wills, Y.	1.0	001.00
										5.4 5.20	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	084610	OIL FILTER		15.42	15.42
1	AD41151	OIL SAMPLE KIT		6.50	6.50
7	55044144	OIL DRON 10W50 DISPERSE BY QUART		5.29	37.03

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 5/1/19 Signed: [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-MF107, Rev- FAA-CRS B4VR470K

Work Order Totals

Labor	511.67
Parts	61.15
TOTAL:	572.82

WO#: 2019 01880

Date Started: 03 MAY 2019
Date Completed: 04 MAY 2019

Reg#: 4174B
AC S/N: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4440.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11023.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5578.4
LT Prop T.T.: 8151.0

Form: KFF-MF107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) Preliminary Inspection.
- 2) ICA CD Guardian System Inspection
- 3) Left mag needs to be retimed.
- 4) Upper exhaust clamp on cylinder #3 blow by

Maintenance/Repairs Performed

- 1) Preliminary Inspection.
A/C/F: Performed preliminary inspection No defects noted.
- 2) ICA CD Guardian System Inspection
A/C/F: Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 452 system as required aircraft inspection per CD Guardian, 03-452-201, Rev. F, par. 7.0 and 8.0. Next Due APTT: 11043.9.
- 3) Left mag needs to be retimed.
A/C/F: Re-timed left mag to 25° BTDC IAN Licensing direct drive O/R manual sec. 4
- 4) Upper exhaust clamp on cylinder #3 blow by.
A/C/F: Replaced upper exhaust clamp on cylinder #3 with new P/N 225-025 IAN DA60-180 AMN Ch 78-00-00

Labor

Wills, Y.	1.0	001.00	Small, D.	2.1	002.00
				3.1 3.02	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	225-025	CLAMP ASST DIAMOND ONLY		75.84	75.84

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 5/1/19 Signed: [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-MF107, Rev- FAA-CRS B4VR470K

Work Order Totals

Labor	293.17
Parts	75.85
TOTAL:	369.03

WO#: 2019 02079

Date Started: 15 MAY 2019
Date Completed: 16 MAY 2019

Reg#: 4174B
AC SN: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4499.1

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11082.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5637.5
LT Prop T.T.: 6210.1

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed					
1) EVENT #3 IAW CAS Progressive Insp					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) EVENT #3 IAW CAS Progressive Insp					
AIRFRAME: I certify that in accordance with CAS Progressive Inspection Program INSPECTION EVENT # 3, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service. C/W AD 2018-19-07 Fuel Injector Lines Inspection IAW Iyomung M88 3429 (NEXT DUE APT: 11182.4) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-10 for this aircraft.					
2) Fire Extinguisher 30 Day Visual Inspection					
AIRFRAME: Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-180 A.R.M. Ch. 24-00-00 (Next Due: 04/15/2019)					
Labor					
Tucker, J. 1.3 001:10 Sawyer, E. 2.5 002:10 Carr, D. 3.4 001:14					
12.7 12:39					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	AD41181	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUANT		5.29	37.03
1	CH88110	OIL FILTER		15.62	15.62
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					
Date: 5/16/19 Signed: [Signature]					
5030 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K					
Work Order Totals					
Labor 1,240.08					
Parts 61.15					
TOTAL: 1,301.23					

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 02079

WO#: 2019 02080

Date Started: 15 MAY 2019
Date Completed: 16 MAY 2019

Reg#: 4174B
AC SN: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4499.1

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11082.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5637.5
LT Prop T.T.: 6210.1

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed	
1) 100 RPM Idle Rise	
2) ICAO Guardrail System Inspection	
3) 1/8" NGS outward wheel bearing snap ring bent	
4) low idle	
5) NGS stop worn out	
6) Oil leaking from around prop governor	
7) Pilot side rubber adjustment cable is loose-frayed	
8) Preliminary inspection	
9) R/W tire bald spotted.	
Maintenance/Repairs Performed	
1) 100 RPM Idle Rise	
AIRFRAME: Adjusted mixture rise within limits as needed.	
2) ICAO Guardrail System Inspection	
AIRFRAME: Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 452 system at required aircraft inspection per CO Guardian, 01-452-201, Rev. P, par. 7.0 and 8.0 Next Due APT: 11182.6	
3) 1/8" NGS outward wheel bearing snap ring bent	
AIRFRAME: Installed new snap ring P/N: 155-00109 IAW Diamond DA40-180 AMM Ch. 32-00-00.	
4) low idle	
AIRFRAME: Adjusted idle within limits as needed.	
5) NGS stop worn out.	
AIRFRAME: Installed new NGS stop plate P/N: 041-10231-00-01 IAW Diamond DA40-180 AMM Ch. 32-00-00 part.	
6) Oil leaking from around prop governor	
AIRFRAME: Re-torqued prop governor nuts as required.	
7) Pilot side rubber adjustment cable is loose/frayed	
AIRFRAME: Removed and replaced rubber adjustment cable with new P/N: 046-2723-24-00 IAW Diamond DA40 AMM 27-20-00	
8) Preliminary inspection	
AIRFRAME: C/W periodic insp. no defects noted.	

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 02080

WO#: 2019 02080

Date Started: 15 MAY 2019
Date Completed: 16 MAY 2019

Reg#: 4174B
AC SN: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4499.1

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11082.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5637.5
LT Prop T.T.: 6210.1

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

9) R/W tire bald spotted.					
AIRFRAME: REMOVED RR tire replaced tire PW 872-314-0 and tube PW 092-500-0 tire and tube replaced IAW CHM sec 300 replaced grease felt and grease ring P/N 154-01400 and 153-00900					
Labor					
Tucker, J. 1.3 001:10 Sawyer, E. 2.5 002:10 Carr, D. 3.4 001:14					
5.4 5:20					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	872-314-0	TIRE 6.00 X 6 4 PLY MICHELIN DA40		80.11	80.11
2	154-01400	AND VE NUTS TIRE		7.10	14.20
4	153-00900	GREASE FELT		11.49	45.96
1	041-10231-00-01	DA-40 NGS Stop Plate		129.16	129.16
1	155-00100	Wheel Bearing Snap Ring		5.07	5.07
1	046-2723-24-00	RUBBER ADJUSTMENT CABLE		45.89	45.89
1	092-500-0	TUBE INNER - 600ad		60.00	60.00
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					
Date: 5/16/19 Signed: [Signature]					
5030 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K					
Work Order Totals					
Labor 525.33					
Parts 398.48					
TOTAL: 923.81					

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 02080

WO: 2019 02300

Date Started: 29 MAY 2019
Date Completed: 29 MAY 2019

Reg#: 4174B
AC SN: 40 932
M. J: D...
Model: DA-40
A/C Tach Time: 4561.7

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11145.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5700.1
LT Prop T.T.: 6272.7

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed					
1) EVENT #4 IAW CAS Progressive Insp					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) EVENT #4 IAW CAS Progressive Insp					
AIRFRAME: I certify that in accordance with CAS Progressive Inspection Program INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service. C/W AD 2018-19-07 Fuel Injector Lines Inspection IAW Iyomung M88 3429 (NEXT DUE APT: 11246.3) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-10 for this aircraft.					
2) Fire Extinguisher 30 Day Visual Inspection					
AIRFRAME: Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.R.M. Ch. 24-00-00 (Next Due: 04/15/2019)					
Labor					
Kallia, T. 3.4 003:20 Carr, D. 1.0 001:10 Sawyer, E. 2.8 002:14					
7.2 7:20					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH88110	OIL FILTER		15.62	15.62
1	AD41181	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUANT		4.47	31.29
8	8474	CRUSH CASSET SPARE FLUID, 100R6		6.71	53.84
Maintenance Release					
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					
Date: 5/29/19 Signed: [Signature]					
5030 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K					
Work Order Totals					
Labor 683.33					
Parts 61.09					
TOTAL: 744.42					

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 02300

WO#: 2019 02306

Date Started: 29 MAY 2019
Date Completed: 29 MAY 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4618.9

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11145.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5760.4
LT Prop T.T.: 6272.7

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) aft alternator gear in bushing ok
 - 2) ICA CD Guardian System Inspection
 - 3) Preliminary Inspection
 - 4) Rubber Cable Replacement, Bellcrank
- Maintenance/Repairs Performed**
- 1) aft alternator gear in bushing has play
A/C: removed damaged alternator P/W ASD-92116 S/W R-821274 and replaced with new alternator P/W ASD-92116 S/W R-821274 IAW Diamond DA-40-100 AMM Ch. 24-20-01
 - 2) ICA CD Guardian System Inspection
A/C: Performed periodic scheduled preventative maintenance test/checks and visual inspection of Aero 652 system as required aircraft inspection per CD Guardian, 03-452-201, Rev. F, Part 7.9 and 8.0. Next Due APTT: 11,202.4
 - 3) Preliminary Inspection
A/C: completed of preliminary insp. No defects noted
 - 4) Rubber Cable Replacement, Bellcrank to Rubber Puls (RUB-PUL)
A/C: Inspected aft rubber cables. rubber replacement not due at this time.

Labor

Task No.	Start	End	Rate	Hours	Cost
1	00:00	00:30	3.1	0.5	1.55
2	00:30	01:00	3.1	0.5	1.55
3	01:00	01:30	3.1	0.5	1.55
4	01:30	02:00	3.1	0.5	1.55
TOTAL:				2.0	6.20

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	ASD-92116	ALTERNATOR 1000 WATT FULLY BRN	R-821274	415.00	415.00
TOTAL:				415.00	415.00

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. See under this Work Order.

Date: 5-29-19 Signed: [Signature]
6030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor: 299.75
Parts: 615.00
TOTAL: 914.75

WO#: 2019 02465

Date Started: 05 JUN 2019
Date Completed: 06 JUN 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4618.9

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11202.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5757.5
LT Prop T.T.: 6329.6

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) EVENT #1 IAW CD Progressive Insp
 - 2) Fire Extinguisher 30 Day Visual Inspection
- Maintenance/Repairs Performed**
- 1) EVENT #1 IAW CD Progressive Insp
A/C: I certify that in accordance with CD Progressive Inspection Program INSPECTION EVERY 8 I, a routine inspection of engine-propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service.
C/W AD 2015-10-07 Fuel Injector Lines Inspection IAW (prev. HSB 3400, SHEET 008 APTT: 11200.4)
141 Flight School ATP AD Status Sheets Reviewed and FAA 81-Weekly Checked Through 2019-11 for this aircraft.
 - 2) Fire Extinguisher 30 Day Visual Inspection
A/C: Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A.R.M. Ch. 24-20-00 (Next Due: 07/04/2019)

Labor

Task No.	Start	End	Rate	Hours	Cost
1	00:00	00:30	11.1	0.5	5.55
2	00:30	01:00	11.1	0.5	5.55
TOTAL:				1.0	11.10

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	0014122	OIL FILTER		15.43	15.43
1	0014121	OIL SAMPLE KIT		8.50	8.50
7	530041144	OIL OVEN 10000 DISPOSE BY QUANT		7.00	49.00
TOTAL:				31.93	31.93

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. See under this Work Order.

Date: 6/6/19 Signed: [Signature]
6030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor: 1,086.75
Parts: 73.12
TOTAL: 1,159.87

WO#: 2019 02466

Date Started: 05 JUN 2019
Date Completed: 06 JUN 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4618.9

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11202.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5757.5
LT Prop T.T.: 6329.6

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) lower exhaust clamp is leaking
- 2) ELT Main Battery Replacement
- 3) ELT Registration Renewal
- 4) ELT*0* switch falls open check
- 5) Flap actuator bonding strap broken
- 6) ICA CD Guardian System Inspection
- 7) ICA 01000 Bonding Resistance Test - STC 28213407-0
- 8) ICA 01000 Bonding Resistance Test - STC 28213407-0
- 9) ICA 01000 Cooling Fans Check - APTT - 1023
- 10) Preliminary Inspection
- 11) Prop governor cable clamp on cradle is worn

Maintenance/Repairs Performed

- 1) lower exhaust clamp is leaking
A/C: removed and replaced exhaust expansion joint with new P/W: 325-005 IAW Diamond DA-40 AMM 70-20-00
- 2) ELT Main Battery Replacement
A/C: Replaced ELT Main Battery when new ELT was installed. Battery PN: 452-4499, SN: 376711-013 IAW Airtec Manual 570-100 Rev. 3B. Next Due Date: 04/2025
- 3) ELT Registration Renewal
A/C: completed ELT registration expiration date is 4/4/2021
- 4) ELT*0* switch falls open check
A/C: removed ELT P/W 452-4499 S/W 08925 and installed new ELT P/W 452-4499 Serial: S/W 243-04218 IAW Airtec Manual 570-100 Rev. 3B. Battery expiration on this ELT is 04/2025. Next due date is ADCC 04100 04/2025
- 5) Flap actuator bonding strap broken
A/C: Replaced flap actuator bonding strap terminal and P/W AF 720-543 IAW AC13-13 strap 13 sec 14
- 6) ICA CD Guardian System Inspection
A/C: Performed periodic scheduled preventative maintenance test/checks and visual inspection of Aero 652 system as required aircraft inspection per CD Guardian, 03-452-201, Rev. F, par. 7.9 and 8.0. Next Due APTT: 11,202.4
- 7) ICA 01000 Bonding Resistance Test - STC 28213407-0
A/C: Performed electrical bonding resistance check of all 01000 equipment after 1000 hours TIS and in conjunction with DA40 AMM 51-80-00 bonding test, if able, IAW 01000 NM. 130-00543-00, section 4.5. (Next equipment calibration date 02/24/2019) Next Due APTT: 11,202.4

Labor

Task No.	Start	End	Rate	Hours	Cost
1	00:00	00:30	12.9	0.5	6.45
2	00:30	01:00	12.9	0.5	6.45
3	01:00	01:30	12.9	0.5	6.45
4	01:30	02:00	12.9	0.5	6.45
5	02:00	02:30	12.9	0.5	6.45
6	02:30	03:00	12.9	0.5	6.45
7	03:00	03:30	12.9	0.5	6.45
TOTAL:				3.5	45.15

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	A6219190012	CLAMP, 100P		9.99	9.99
1	720-005	CLAMP 300V DIAMOND ONLY		75.84	75.84
1	452-4499 SERIAL	ELT MAINS ELT Includes ELT - SERIAL PART -	243-04218	1,093.15	1,093.15
TOTAL:				1,179.98	1,179.98

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. See under this Work Order.

Date: 6/6/19 Signed: [Signature]
6030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor: 1,237.75
Parts: 1,159.99
TOTAL: 2,397.74

WO#: 2019 02466

Date Started: 05 JUN 2019
Date Completed: 06 JUN 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4618.9

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11202.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5757.5
LT Prop T.T.: 6329.6

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) ICA 01000 Bonding Resistance Test - STC 28213407-0
- 2) ICA 01000 Cooling Fans Check - APTT - 1023
- 3) Preliminary Inspection
- 4) Prop governor cable clamp on cradle is worn

Maintenance/Repairs Performed

- 1) ICA 01000 Bonding Resistance Test - STC 28213407-0
A/C: Performed 01000 system electrical bonding test after 1000 hours TIS IAW 01000 NM. 130-00543-00, section 4.3 and 4.5. (Next equipment calibration date 02/24/2019) Next Due APTT: 11,202.4
- 2) ICA 01000 Cooling Fans Check - APTT - 1023
A/C: Performed operational check before 250 hours TIS of 01000 cooling fans per 01000 NM. 130-00543-00, Sec. 4.3 and 4.5. Next Due APTT: 11,452.4
- 3) Preliminary Inspection
A/C: C/W preliminary inspection. no defects noted.
- 4) Prop governor cable clamp on cradle is worn
A/C: Replaced clamp with new P/W: A6219190012 as required.

Labor

Task No.	Start	End	Rate	Hours	Cost
1	00:00	00:30	12.9	0.5	6.45
2	00:30	01:00	12.9	0.5	6.45
3	01:00	01:30	12.9	0.5	6.45
4	01:30	02:00	12.9	0.5	6.45
TOTAL:				2.0	25.80

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	A6219190012	CLAMP, 100P		9.99	9.99
1	720-005	CLAMP 300V DIAMOND ONLY		75.84	75.84
1	452-4499 SERIAL	ELT MAINS ELT Includes ELT - SERIAL PART -	243-04218	1,093.15	1,093.15
TOTAL:				1,179.98	1,179.98

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. See under this Work Order.

Date: 6/6/19 Signed: [Signature]
6030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor: 1,237.75
Parts: 1,159.99
TOTAL: 2,397.74

WO#: 2019 02713

Date Started: 17 JUN 2019
Date Completed: 19 JUN 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4679.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 11263.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5818.2
LT Prop T.T.: 6390.8

Description of Work to be Performed

11 EVENT 83 IAW CME Progressive 1202

Maintenance/Repairs Performed

11 EVENT 83 IAW CME Progressive 1202

AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program dated 17-MAY-2019 INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.
C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Typing HSR 3430. (NEXT DUE APTT: 11342.9)
141 Flight School ATP AD Status Sheets Reviewed and PMA 81-Weekly Checked Through 2019-12 for this aircraft.

POWERPLANT:
Engine Cylinders Compression: 81- (76 /80)Psi, 82- (76 /80)Psi, 83- (77 /80)Psi, 84- (77 /80)Psi

Labor
5.4 6.34

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	086110	OIL FILTER		13.42	13.42
1	808112	OIL SAMPLE KIT		4.56	4.56
7	55041124	OIL DRAIN 15W50 DISPENSE BY QUANT		4.47	31.29

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. tied under this Work Order.
Date: 6-19-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor 656.47
Parts 53.41
TOTAL: 710.08

WO#: 2019 02714

Date Started: 17 JUN 2019
Date Completed: 19 JUN 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4678.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 11263.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5818.2
LT Prop T.T.: 6390.8

Description of Work to be Performed

11 400 Hour Inspection IAW CME Progressive 1202

AIRFRAME:
1) Foreign metal found in oil suction screen.
2) Fuel servo mixture spring and bracket grounded.
3) Fuel pump drain hard line not flared at end.
4) Fuel pump drain rubber hose dry rotted.
5) LH magnet replacement.
6) Preliminary inspection.
7) R/H magnet replacement.
8) Tach sensor wires broken at base.

Maintenance/Repairs Performed

11 400 Hour Inspection IAW CME Progressive 1202

AIRFRAME:
Complied with 400 Hour Inspection IAW CME Progressive 1202

POWERPLANT:
1) Foreign metal found in oil suction screen.
out open oil filter no defects, oil analysis current and previous show no properties to be out of limits "or" any rise in properties, performed engine ground run up and found no defects

2) Fuel servo mixture spring and bracket grounded.
AIRFRAME:
Installed new bracket P/N D41-7324-00-01_1 and spring P/N 8082812X IAW Diamond Drawings AMB ch. 73-10-00

3) Fuel pump drain hard line not flared at end.
AIRFRAME:
Fitted drain line and secured as needed. Op's check good no leaks.

4) Fuel pump drain rubber hose dry rotted.
AIRFRAME:
Open further inspection found fuel drain to be serviceable

5) LH magnet replacement
AIRFRAME:
Removed lined out LH mag (P/N 4347 R/H 17090005) and installed a repaired LH mag (P/N 4347 R/H 18120337) IAW 20-140-01A O/N manual 73-40-01

6) Preliminary inspection
AIRFRAME:
C/W preliminary inspection, no defects noted.

7) R/H magnet replacement.
AIRFRAME:
Removed lined out RH mag (P/N 4370 R/H 18045977) and installed a repaired R/H mag (P/N 4370 R/H 20420275) IAW 20-140-01A O/N manual 73-40-01

WO#: 2019 02714

Date Started: 17 JUN 2019
Date Completed: 19 JUN 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4678.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 11263.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5818.2
LT Prop T.T.: 6390.8

9) Tach sensor wires broken at base.
AIRFRAME:
Replaced tach sensor with serviceable tach sensor P/N 2401-003-029 as needed.

Labor
5.4 6.23

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	0406-003-029	TACHOMETER DA-40/42		951.45	951.45
1	12812481	GASKET, MAGNETO, LYCONING		1.42	2.84
1	75-09304	Air Filter DA40/42		105.13	105.13
1	AL401338	BUSH SET ASSY, ALTERNATOR		20.09	20.09
1	82-0430-128	SPRING		3.42	3.42
1	D41-7324-00-01_1	40/42 Mixture Spring Bracket		15.44	15.44
1	4347	MAGNETO DA 40/42 SLICK	10120327	525.00	525.00
1	4370	MAGNETO RIGHT SLICK	18045976	475.00	475.00

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. tied under this Work Order.
Date: 6-19-19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor 538.33
Parts 2,098.59
TOTAL: 2,636.92

WO#: 2019 02980

Date Started: 01 JUL 2019
Date Completed: 02 JUL 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4741.4

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 11324.9
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5879.8
LT Prop T.T.: 6452.4

Description of Work to be Performed

11 EVENT 83 IAW CME Progressive 1202

Maintenance/Repairs Performed

AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program dated 17-MAY-2019 INSPECTION EVENT # 3, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service.

C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Typing HSR 3430. (NEXT DUE APTT: 11,424.9)
141 Flight School ATP AD Status Sheets Reviewed and PMA 81-Weekly Checked Through 2019-12 for this aircraft.

Labor
14.9 14.53

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	808112	OIL SAMPLE KIT		4.56	4.56
7	55041124	OIL DRAIN 15W50 DISPENSE BY QUANT		4.47	31.29
1	086110-1	OIL FILTER		15.43	15.43

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. tied under this Work Order.
Date: 7/2/19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals
Labor 14.53
Parts 51.28
TOTAL: 65.81

WO#: 2019 02981

Date Started: 01 JUL 2019
Date Completed: 02 JUL 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 41.4

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11324.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5879.8
LT Prop T.T.: 6452.4

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) cowling removed for mixture adjustment.
- 1) Idle mixture above 200 on port run.
- 1) Preliminary inspection.
- 1) Seat tube from muffler to cabin heat.
- 1) Seat tube from muffler to cowling.

Maintenance/Repairs Performed

- 1) cowling removed for mixture adjustment.
AIRFRAME:
Installed cowling as required.
- 1) Idle mixture above 200 on port run.
AIRFRAME:
Removed fuel screws P/N AV2574568-1 S/W AV174567 installed screws. Fuel screws P/N AV2574568-1 S/W AV2574568-1 S/W DA40. 100 AMP 73-00-00 operational and leak test satisfactory.
- 1) Preliminary inspection.
AIRFRAME:
C/W preliminary inspection. No further defects noted.
- 1) Seat tube from muffler to cabin heat.
AIRFRAME:
Replaced seat tube with a previously repaired wheel assembly p/n DA40 Main Tire DA-40-100 AMP ch. 32-40-00.
- 1) Seat tube from muffler to cabin heat tube to turn.
POWERPLANT:
Replaced cabin heat tube with new piece of seat 12 tube as needed.
- 1) Seat tube from muffler to cowling needs replaced.
POWERPLANT:
Replaced turn tube with new piece of seat 12 tube as needed.

Labor

Lischer, A	5.2	001.13	Jacobs, G	2.2	007.10
				7.4	7.22

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
3	SCAT 12	SCAT HOSE 3"		0.00	0.00
1	DA40 MAIN	DA40 MAIN TIRE ASSEMBLY		0.00	0.00
1	AV2574568-1	FUEL SCREW AV2574568	AV2574568	1,359.00	1,359.00

WO#: 2019 02981

Date Started: 01 JUL 2019
Date Completed: 02 JUL 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 474.4

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11324.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5879.8
LT Prop T.T.: 6452.4

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Maintenance Release

This aircraft, airframe, engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 7/2/19 Signed: [Signature]

1030 East Foothill Dr. Mesa AZ 85205 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor	736.67
Parts	1,232.00
TOTAL:	1,973.67

WO#: 2019 03208

Date Started: 13 JUL 2019
Date Completed: 13 JUL 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4798.8

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11382.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5937.2
LT Prop T.T.: 6509.8

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) EVENT 84 IAP CAE Progressive 1009

Maintenance/Repairs Performed

- 1) EVENT 84 IAP CAE Progressive 1009
AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program dated 17-MAY-2018 INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service. C/W AD 2015-19-07 Fuel Injector Time Inspection IAW Licensing HSR 3420. CHECK COW ARRY: 11.442 2) 241 Flight School NTP AD Status Sheets Reviewed and FAA Bi-Weekly Checked through 2019-14 for this aircraft.

POWERPLANT:
Engine Cylinders Compression: 81- (76/80)Psi, 82- (68/80)Psi, 83- (76/80)Psi, 84- (76/80)Psi

Labor

McC, T	0.9	002.10	C	4.4	004.33	Van Dyke, L	3.3	003.10
				6.9	8.53			

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	8002155	OIL SAMPLE KIT		8.50	8.50
7	560341124	OIL DRUM 19550 DISPENSE BY QUART		4.47	31.29
1	CR48116-3	OIL FILTER		15.83	15.83

Maintenance Release

This aircraft, airframe, engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Permanent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 7/13/2019 Signed: [Signature]

1030 East Foothill Dr. Mesa AZ 85205 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K

Work Order Totals

Labor	888.33
Parts	55.62
TOTAL:	943.95

WO#: 2019 03209

Date Started: 13 JUL 2019
Date Completed: 13 JUL 2019

Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tech Time: 4798.8

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 11382.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5937.2
LT Prop T.T.: 6509.8

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

Description of Work to be Performed

- 1) Elevator trim block tight
- 1) VIB squeak. Inner (small) FMS knob is not working. Would not let me change trim on TT HB/ def pb = 15'
- 1) Preliminary inspection.
- 1) Safety wire missing on ALT bolt.
- 1) Starter switch loose.
- 1) Steering stop plate cracked

Maintenance/Repairs Performed

- 1) Elevator trim block tight
AIRFRAME:
Replaced elevator trim friction block with new P/N DA4-2714-30-55 IAP Diamond DA40-100 AD 27-38-00
- 1) VIB squeak. Inner (small) FMS knob is not working. Would not let me change trim on TT HB/ def pb = 15'.
AIRFRAME:
Removed RUD P/N 011-00972-03 S/W 88902943 and installed overhauled P/N 011-00972-03 S/W 88902943 per Garmin 01000 DMR sec 4.
- 1) Preliminary inspection.
AIRFRAME:
C/W Preliminary inspection no defects noted.
- 1) Safety wire missing on ALT bolt.
AIRFRAME:
Safety wired ALT bolt per AC43.13-18
- 1) Starter switch loose.
AIRFRAME:
Tightened starter switch as needed
- 1) Steering stop plate cracked
AIRFRAME:
Removed cracked plate and installed new stop plate P/N 041-3223-09-51 per DA40 AMM 30-20-09

Labor

McC, C	1.4	001.10	PLA, Y	3.0	002.00	Van Dyke, L	0.6	003.10
				5.1	5.06			

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	041-3223-09-51	DA-40 WLG Stop Plate		119.14	119.14
1	DA4-2714-30-55	FRICITION DAMPER BLOCK		16.00	16.00
1	011-00972-03	RUO 1040 DA 40/42 GAMMIN	88902904	1,400.00	1,400.00

WO#: 2019 0409

Date Started: 29 AUG 2019
Date Completed: 30 AUG 2019

Reg#: AC SN: MFG: Model: A/C Tach Time:

CAE Oxford Aviation Academy Phoenix

A/C Total Time: 11498.2
RT Eng. T.T.: RT Prop. T.T.: LT Eng T.T.: 6051.1
LT Prop T.T.: 6623.7

Form KFF-M-F107, Rev. FAA-CRS B4VR470K

Description of Work to be Performed

1) EVENT #2 IAW CME Progressive Insp

Maintenance/Repairs Performed

1) EVENT #2 IAW CME Progressive Insp APPROVED:
I certify that in accordance with CME Progressive Insp...
IAP Lyringing was done...
FAA Bi-Weekly Checked Through 2019-17 for this aircraft.

POWERPLANT:
Engine Cylinders Compression: #1: 100 / 80/60, #2: 110 / 80/60, #3: 100/60, #4: 117 / 80/60

Labor
Alvarado, A 3.0 018 to Alvarado, A 3.8 003 40/competitor, 4.8 018

Table with 5 columns: Qty, Part#, Description, Serial#, Cost, Sub Total. Includes parts like OIL FILTER, OIL SAMPLE KIT, OIL DRUM 15010.

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Date: 8-30-19 Signed: [Signature]

WO#: 2019 04099

Date Started: 29 AUG 2019
Date Completed: 30 AUG 2019

Reg#: 41748 AC SN: 40 932 MFG: DIAMOND Model: DA-40 A/C Tach Time: 4912.7

CAE Oxford Aviation Academy Phoenix

A/C Total Time: 11498.2
RT Eng. T.T.: RT Prop. T.T.: LT Eng T.T.: 6051.1
LT Prop T.T.: 6623.7

Form KFF-M-F107, Rev. FAA-CRS B4VR470K

Description of Work to be Performed

1) Preliminary inspection
2) #3 exhaust clamp in leaking
3) #4 bottom spark plug needs to be replaced
4) high moisture stain during post run
5) Intermittent alternator AMP in normal flight - stays for 1-2 seconds then disappears
6) mixture cable not set in work
7) mixture cable clamp on cowling is worn
8) muffler baffle is missing
9) #3 magneto ground wire broken
10) wing walk is worn

Maintenance/Repairs Performed

1) Preliminary inspection APPROVED:
2) #3 exhaust clamp in leaking APPROVED:
removed & replaced #3 exhaust clamp with new one P/N 227-001 IAW 2840-130AMM on 78-00-00
3) #4 bottom spark plug needs to be replaced APPROVED:
replaced #4 bottom spark plug with new one P/N 80N 784 IAW Lyringing O/R Manual on 78-00-01
4) high moisture stain during post run APPROVED:
adjusted moisture to be within limits per 2840-130 IAW 78-00-00
5) Intermittent alternator AMP in normal flight - stays for 1-2 seconds then disappears. APPROVED:
performed ground run per P/N with an alternator annotations. Inspected alternator and wires no defects noted
6) mixture cable not set in work APPROVED:
replaced mixture cable and set with new P/N 8218 IAW 2840-130 AMM on 78-00-00
7) mixture cable clamp on cowling is worn APPROVED:
removed & replaced mixture cable clamp with new one. P/N A2114100012 as required
8) muffler baffle is missing APPROVED:
replaced muffler P/N 2840-7 OR 21143-001 with new one P/N 2840-7B P/N 11143-001 using an imported exhaust clamp P/N 227-001 IAW 2840-130 AMM on 78-00-00

WO#: 2019 04099

Date Started: 29 AUG 2019
Date Completed: 30 AUG 2019

Reg#: 41748 AC SN: 40 932 MFG: DIAMOND Model: DA-40 A/C Tach Time: 4912.7

CAE Oxford Aviation Academy Phoenix

A/C Total Time: 11498.2
RT Eng. T.T.: RT Prop. T.T.: LT Eng T.T.: 6051.1
LT Prop T.T.: 6623.7

Form KFF-M-F107, Rev. FAA-CRS B4VR470K

9) #3 magneto ground wire broken APPROVED:
repaired broken R/R magneto ground wire with splice P/N AP 223994 as required
10) wing walk is worn APPROVED:
replaced pilot side wing walk with new P/N D10-1127-10-02_1 as required

Labor
Alvarado, A 3.4 006 21/competitor, 4.4 014.7

Table with 5 columns: Qty, Part#, Description, Serial#, Cost, Sub Total. Includes parts like Clamp, 1009, WREN NUTS, SR DA-42, SR DA-40, ENGINE CONTROL ROD END, SPARE FLUID, CLAMP NUT DIAMOND ONLY, HOPLER, DA-40, REPAIRED.

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Date: 8-30-19 Signed: [Signature]

Diamond DA40 N4174B S/N 40.932 AFTT: 11560.5 tach 4977.0 9/13/2019

This propeller P/N HC-C2YR-1BF S/N: CH37702B with TT: 6688.0 SMOH: 1629.2

was removed from N4174B for grease leaking from blade

Scott Ford CRSA#B4U P47OK

Reg#: 830DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8



Form: KFF-M-F107, Rev-
FAA-CRS-B4VR470K

A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

AIRFRAME:
Replaced two forward rollers p/n 21-222 IAW EAM 40-14. This work order for aft roller.
5) Alternate air control cable secured/re-routed.
AIRFRAME:
re-routed alternate air control cable and secured it as needed
6) Alternator Brush Replacement
AIRFRAME:
Replaced alternator brushes p/n A1E10132 IAW Partec's Overhaul Manual 01-23 Ground operation satisfactory.
7) Annual/100 Hour Inspection (14 Hrs) (APPT) 1 of 2
AIRFRAME:
I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and TPA Di-Weekly Checked Through 2020-01 for this aircraft.
POWERPLANT:
Engine Cylinders Compression-91-176/601P41 92-172/601P41 93-170/601P41 94-174/601P41
8) Annual/100 Hour Inspection (18 Hrs) (Data) 3 of 3
AIRFRAME:
I certify this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and TPA Di-Weekly Checked Through 2020-01 for this aircraft.
9) Bonding and Static Discharging System Check (1000 Hour)
AIRFRAME:
Performed Bonding System and Static Discharging System Check IAW Diamond DA-40-180 A/M N 31-60-00. (NEXT DUE: APPT: 2212.0)
10) Both Forward and AFT stabilizer mounts require corrosion preventative treatment
AIRFRAME:
Removed surface corrosion and applied LP3 anti-rust treatment.
11) Both Rear passenger windows appear to need to be re-sealed.
AIRFRAME:
Applied new seal on R18980 to RE passenger window as needed, see work order 82020 00374 for RE passenger window discrepancy.
12) Bottom and middle RR MEG Brake Cable clips need to be replaced.
AIRFRAME:
Replaced bottom and middle RR MEG brake cable clips p/n: 420430_1 with new. Ref Log-7116 Mgmt Instructions
13) Bottom of tail fin requires touch up paint
AIRFRAME:
Applied paint to damaged area IAW: DA40 AMN SMT. 51-20-00 Allow to air dry until 14.00hrs of 01-23-20

Reg#: 830DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8



Form: KFF-M-F107, Rev-
FAA-CRS-B4VR470K

A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

14) Brakes need to be bled
AIRFRAME:
Bled brakes per DA40 AMN Ch. 22-40-00. ops check good.
15) Broken ground wire at flap actuator ball-throw (see top)
AIRFRAME:
Replaced broken bonding strap at flap actuator IAW DA 43 12-0
16) Cabin heat CAT tube from exhaust allowed to (travel) needs to be replaced with high temp SCAT tube
AIRFRAME:
Installed p/n: SCAT 12 on muffler for cabin heat IAW DA40-180 AMN Ch. 21-00-00
17) CO Detector Card Replacement
AIRFRAME:
Installed CO detector IAW package instructions.
18) On-Pilot right master cylinder leaking at fitting on bottom.
AIRFRAME:
Removed and replaced master cylinder with new p/n 10-7-CA. IAW DA40 AMNIVE NOT POSITIONED 22-40-00 Also removed and replaced brake fluid reservoir with new p/n 3-CA2 IAW DA 43 SVAIAD 2008 SECTION 22-40-00.
19) DA40 Propeller Replacement due to prop P/W PROPELLER.
AIRFRAME:
Removed serviceable propeller P/W No. (HC-CR2-100P 22-022) with TSC.40. P. NYS. TPO-17.4 RFD and installed serviceable propeller P/W No. (HC-CR2-100P 22-022) with TSC.40. P. NYS. TPO-17.4 RFD IAW Partec's Overhaul Manual No. 1122 Sec. 7-2.
20) elevator control rod aft most roller cage easy, removed to facilitate composite repair. Install after case life at 1500 hrs of 01-21-20
AIRFRAME:
Installed new roller guideassy. p/n 00 202 with new pop rivets p/n 010737-24. 2X10. 1-1/2 IAW IAC 43-12.12 Sect. 4 Part. 4-111
21) ELT Annual Inspection
AVIONICS:
ELT Annual Inspection complied with in accordance with FAR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with ANTEX MANUAL 570-1450 Revision AD. Battery Expiration Date for ELT Transmitter is: 01/2024. Smoke Switch Battery IC applicable, expires: 01/2024. ELT Annual Inspection Due: 02/2021. ELT Registration IC applicable: 02/24/2022.
22) ELT antenna and coax cable require install per work instruction Diamond VI-025-10-042
AIRFRAME:
ELT antenna and coax cable installed IAW work instruction Diamond VI-025-10-042.
23) ELT found to have exceeded past its limits
AIRFRAME:
Replaced new ELT and remote switch p/n 455-614 22 240-07722 IAW Diamond work instruction VI-025-10-042 and returned old ELT p/n 5-01 SERIAL/0 051942

Reg#: 830DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8



Form: KFF-M-F107, Rev-
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

24) ELT ground and remote switch ground require termination IAW Diamond Work Instruction VI-025-10-042
AIRFRAME:
ELT ground and remote switch ground installed IAW Diamond Work Instruction VI-025-10-042
25) ELT Main Battery Replacement
AIRFRAME:
Replaced ELT Main Battery PH: 642-64991. SN: 182277-030 IAW Diamond Work Instruction VI-025-10-042. Next Due Date: 11/2024.
26) ANTEX KE 406 (new) ELT new Registration Required
AIRFRAME:
Registered KE406 ELT in accordance with ANTEX products/ A/C electronics INC. Description, operation, installation and maintenance manual KE406 Ch. 20-02-30. Via NOAA DSEARCH registration website.
27) Engine Intake Air Filter Replacement
AIRFRAME:
Replaced engine intake air filter 73EPE-06124 IAW DA40-180 AMN Ch 71-40-00.
28) Fire Extinguisher 100 Hour Inspection
AIRFRAME:
Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.N. 24-00-00. Fire Extinguisher Weight: 1012 grams. (Next Due APPT: 1102.0)
29) Fire Extinguisher 30 Day Visual Inspection
AIRFRAME:
Complied with fire extinguisher 30 Day Visual Inspection IAW Diamond DA-40-180 A.M.N. Ch 24-00-00 (Next Due: 02/04/2020)
30) Fire Extinguisher 4 Year Replacement
AIRFRAME:
Replaced fire extinguisher in lieu of 4 year tear-down and performed annual inspection IAW Diamond DA-40-180 A.M.N. 24-00-00. Fire Extinguisher Weight: 1012 grams. Fire Extinguisher Manufacturer Date: 2019.
31) Fire Extinguisher Annual Inspection
AIRFRAME:
Complied with fire extinguisher annual inspection IAW Diamond DA-40-180 A.M.N. 24-00-00 Fire Extinguisher Weight: 1012 grams. Fire Extinguisher Manufacturer Date: 2019. (4 Year Inspection Due: 12/31/24). (Next Annual Due: 02/2021)
32) Flap requires rig
AIRFRAME:
Adjusted flap rigging as needed IAW DA40-180 AMN Ch. 27-10-00 ops check good
33) Flood switch loop.
AIRFRAME:
Replaced potentiometer for flood light with new p/n 85H02121 as required.
34) FOD inside baggage needs to be removed. (birds nest).
AIRFRAME:

Reg#: 830DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8



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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

AIRFRAME:
Removed birds nest and cleaned out egressage.
35) Fuel drain tube is broken
AIRFRAME:
Replaced drain tube w/ new p/n 041-7174-00-2
36) Fuel Injector Nozzle Cleaning (Mech/Reg.)
POWERPLANT:
Cleaned Fuel Injector Nozzles IAW (L110-140-2CA Maint/7-1)
37) Fuel spider vent tube missing baffle garment
AIRFRAME:
Installed grommet p/n 1745_12 in baffle for fuel spider vent tube
38) Gas strut hinges loose, as well as hinge on door (left)
AIRFRAME:
Re-secured passenger door gas strut mounting bracket on fuselage
39) ICA 01000 and Lightning Protection Inspection
AVIONICS:
Performed a complete visual inspection after 13 calendar months of the 01000 System and Lightning Protection IAW 01000 System PM, 150-00545-00. Sec. 4.4. Next Due Date: 02/2021.
40) ICA 01000 Bonding Resistance Test - STC SA0134W1-D
AIRFRAME:
Performed electrical bonding resistance check of all 01000 equipment after 1000 hours TIO and in conjunction with DA40 AMN 51-60-00 bonding test, if able. IAW 01000 PM, 150-00545-00. Section 4.3 Next Due APPT: 2283.0
41) ICA 01000 Cooling Fans Check - APPT - 1073
AVIONICS:
Performed operational check before 350 hours TIO of 01000 cooling fans per 01000 PM, 150-00545-01. Sec. 4.3 and 4.13. Next Due APPT: 1533.0.
42) ICA 01000 Cooling Fans Check - Data - 3of3
AVIONICS:
Performed operational check before 13 calendar months of 01000 cooling fans per 01000 PM, 150-00545-01. Sec. 4.3 and 4.13. Next Due Date: 02/2021.
43) ICA 01000. GND and Cooling Fan Inspection
AVIONICS:
Performed, after 13 calendar months, complete visual inspection of 01000 system, check 200 power interrupt function, and test cooling fan function and failure annunciation IAW 01000 System PM, 150-00545-01. Sec. 4.3, 4.4, 4.11 and 4.13. Next Due Date: 02/2021.
44) ICA GDC 74A Test - STC SA0134W1-D - Data - 3of3
AVIONICS:
Performed GDC 74A alleged function test and vertical speed function test before 16 months per 01000, 150-00545-01. Sec 4.3. Next Due Date: 02/2024.

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Date Started: 14 JAN 2020
Date Completed: 04 FEB 2020

Reg#: 836DS
AC S/N: 40 500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev-
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

- 61) 1816 mixture size of #140 MM AIRFRAME:
Adjusted 1816 Mixture six clicks lean IAW Diamond DA-40 AMM ch. 71-02-01
- 62) Incorrect lock nuts installed on main wheels, require MS2191-5. AIRFRAME:
Removed both L/R and R/W main wheel Assy's due to incorrect hardware and installed repaired L/R main wheel Assy. p/n DA60 Main and repaired L/R main wheel Assy. p/n DA60 Main IAW Diamond DA-40-180 AMM ch. 22-40-06
- 63) L/R and R/W brakes locked without hydraulic pressure AIRFRAME:
replaced backing plates p/n 044-0000 IAW Cleveland MW sec. 200
- 64) L/R and R/W brakes locked without hydraulic pressure. AIRFRAME:
Replaced backing plates p/n 044-0000 IAW Cleveland MW sec 200
- 65) L/R brake linkages worn AIRFRAME:
Replaced lb brake linkages p/n 07-20212 Per Cleveland MW sec. 200
- 66) L/R flap preload high AIRFRAME:
Adjusted L/R flap preload IAW DA-40-180 AMM ch. 27-30-06 per values IAW DA-40-180 AMM 06-06-09.
- 67) L/R fuel tank requires calibration AIRFRAME:
Complied with L/R fuel tank calibration IAW Garmin G1000 system maintenance manual 170-00443-01 section 4.4.2
- 68) L/R fuel tank requires leak check for replacement AIRFRAME:
performed leak check of L/R fuel tank no defects noted
- 69) L/R middle aileron push-pull tube roller cracked through AIRFRAME:
replaced broken roller cage with new p/n DA-801 using rivet p/n DIN-7317-AQRTS 2-A2
- 70) L/R middle push pull tube roller for aileron cracked through AIRFRAME:
replaced broken roller cage with new p/n DA-801 using rivet p/n DIN-7317-AQRTS 2-A2
- 71) L/R rear passenger window needs to be resealed. AIRFRAME:
Resealed LR rear passenger window using p/n MS3980 per DA60 AMM 54-10-01

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A/C Tach Time: 208.8

CAE Oxford
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

- 61) L/R size needs to be converted to float standard. AIRFRAME:
See discrepancy #12 of this R/O for wheel replacement
- 62) L/R wing lacking fuel at vent tubes AIRFRAME:
removed L/R wing installed new intake clamp p/n 1500002 on L/R fuel tanks installed L/R wing IAW DA40-180 AMM ch. 28-10-09 and 57-10-09
- 63) L/R wing removed to P/W AIRFRAME:
reinstalled L/R with new wing root seal (P/N DA1-9007-00-01) and new wing bolt spacer skin (P/N DA121A-010-01) IAW DA40-180 AMM ch. 57-10-09
- 64) Left Mid Teflon support plate is cracked. AIRFRAME:
Left Mid Teflon support replaced w/new P/N DA1-9219-01-01_1. flexible insert also replaced w/new P/N 210026-004 IAW DA-40 AMM 22-05-05
- 65) LR brake linkages worn. AIRFRAME:
Replaced LR brake linkages p/n 07-20212 IAW Cleveland MW sec 200
- 66) LR fuel tank has major leak AIRFRAME:
removed L/R inboard fuel tank P/N DA-2817-10-01_1 R/W 2112 installed repaired L/R fuel tank P/N DA-2817-10-01_1 MOD R/W 2112 IAW DA40 AMM ch. 28-10-09 removed and replaced fuel transducer P/N 010001-WP with new
- 67) Lower engine cowling has fire retardant paint peeling away. AIRFRAME:
stripped coating as required and applied base coat material top coated as required with clear material
- 68) Main drain collector tube has a broken mount AIRFRAME:
removed drain collector tube to the engine cradle w/ adol. clamp p/n MS2191ND011
- 69) Heavily leak in pitot system. AIRFRAME:
Installed new tubing p/n 297701-009 behind instrument panel. leak check IAW DA60 AMM 14-10-09 good
- 70) Heavily leak in static system. AIRFRAME:
Installed new tubing p/n 297701-004 behind instrument panel. leak check IAW DA60 AMM 14-10-09 good
- 71) middle bulkhead in rear fuselage has a crack (flapped) AIRFRAME:
repaired Spacema King Ring #1. crack composite repaired (IAW) DA60 AMM Sect. 51-25-05 and cure time 48-90 hrs at 21-21-09

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CAE Oxford
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

- 67) Missing exhaust shroud bracket and support. AIRFRAME:
Installed new exhaust shroud bracket p/n DA1-7804-20-02 and muffler brace p/n DA1-7804-20-01 IAW DA-40-180 AMM 74-00-09
- 68) Mixture cable baffle grommet missing AIRFRAME:
Installed grommet p/n 3745_12 in cyl #1 baffle for mixture control cable.
- 69) Mixture control not hitting "rich" stop AIRFRAME:
adjusted mixture control IAW Diamond DA40-180 AMM 74-00-02. ops check good
- 70) newly installed potentiometer on flood light doesn't dia properly AIRFRAME:
replaced instrument panel flood light filament P/N DA6-3211-10-02 IAW DA60 AMM ch. 31-10-09 operational check good
- 71) MLJ Journal bearings in fuselage have play. AIRFRAME:
Found MLJ Journal bearings to be worn, replaced w/new p/n 12725215-80-0, shims added as required p/n D19V8-182A02 5 IAW DA-40 AMM 21-00-05
- 72) Nose gear fairing cracked. AIRFRAME:
part removed to return to customer
- 73) Oil Change (With Oil Sample, Non-Reg.) PROCEDURES:
C/W Oil And Filter Change Done IAW (L110-360-MLA Maint/ O/R Manual Ch 72-00-09 Ops and Leak Check DefectFactory. Oil sample taken and sent to ALS Global
- 74) Oil Change at 100 Hr (With Oil Sample, Non-Reg.) PROCEDURES:
C/W Oil And Filter Change at 100 Hr Done IAW (L110-360-MLA Maint/ O/R Manual Ch 72-00-09. Oil sample taken and sent to ALS Global
- 75) Oil cooler fitting is slight leak AIRFRAME:
removed oil cooler. clean removed fittings. installed with 567 thread sealant IAW DA-10-180 chapter 71-00-02.
- 76) Passenger door outer skin damaged, upper L/R area. AIRFRAME:
Repaired passenger door outer skin upper L/R area IAW Diamond DA40-180 AMM 51-20-02. class 1 repair
- 77) Passenger door removed to P/W. AIRFRAME:

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Date Started: 14 JAN 2020
Date Completed: 04 FEB 2020

Reg#: 836DS
AC S/N: 40 500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8

CAE Oxford
Aviation Academy Phoenix

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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

- Reinstalled passenger door as per after repaired hinge. Ops check good.
- 78) DR door aft hinge is cracked. AIRFRAME:
Replaced passenger door aft hinge p/n 044-0000 IAW Cleveland MW sec. 200
- 79) Pilot side right master cylinder AIRFRAME:
Removed and replaced with new master cylinder p/n 15-144 in pilot R/W side IAW DA40-180 AMM 32-40-02.
- 80) pilots + copilot seats cushions removed for repair at aircraft interiore AIRFRAME:
Re-installed repaired seat cushions on pilots + copilot seats as needed
- 81) Pitot static leak check required for wing rel. AIRFRAME:
Complied with low range pitot/static leak check IAW DA-40-180 AMM ch. 14-10-09 no discrepancies found at this time
- 82) R/W fuel tank probe for fuel quantity threads damaged. AIRFRAME:
removed damaged R/W fuel tank fuel level probe and installed new probe p/n 193-4 IAW Diamond DA-40-180 AMM ch. 28-10-09
- 83) R/W fuel tank requires calibration and leak check. AIRFRAME:
Complied with fuel tank calibration IAW Garmin G1000 system maintenance manual 170-00443-01 section 4.4.2 and leak checked R/W tank no discrepancies found
- 84) R/W fuel tank requires installation of anti-chafe tape before installation. AIRFRAME:
Installed rubber strip p/n 150010003 and new Teflon chafe tape as needed
- 85) R/W fuel tank requires installation. AIRFRAME:
Installed R/W fuel tank per DA60 AMM ch. 28-10-09
- 86) R/W fuel tanks leaking unknown location. AIRFRAME:
Removed fuel tank from R/W wing and found the 2 vent hoses to be loose and dry-cutted. removed dry cutted vent hoses and installed new hoses p/n 193-4 IAW Diamond DA-40-180 AMM ch. 28-10-09
- 87) R/W inboard fuel tank bonding tab cracking. AIRFRAME:
Disassembled R/W fuel tank assembly, removing damaged inboard tank and assembled R/W tank assembly with repaired inboard tank IAW Diamond DA-40-180 AMM ch. 28-10-09. installed repaired inboard tank p/n DA-2817-10-01_1 R/W 2112.

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MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F10
FAA-CRS-B4V1

A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 1283.8
LT Prop T.T.: 0688.0

- 881 R/W landing gear support block cracked.
882 R/W tire needs to be converted to fleet standard.
883 R/W wing aileron a flap push pull tubes removed to P/W.
884 R/W wing aileron inboard push pull tube roller cracked through.
885 R/W wing aileron outboard push/pull tube roller cracked through.
886 R/W wing flap inboard push pull tube roller cracked through.
887 R/W wing flap outboard push/pull tube roller cracked through.
888 R/W wing secured for P/W.
889 Bear door safety clip is coming off of latch and latch bar appears to be bent.
890 Bear LR passenger seat bolt buckle cracked.
891 Secured Co-Pilot seat P/W.
892 Secured elevator to P.O.R.
893 Secured L/R Bear seat belt P/W.

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Date Completed: 04 FEB 2020

Reg#: 6360S
AC S/N: 40 500
MFG: DIAMOND
Model: DA-40-180
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
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LT Prop T.T.: 0688.0

- 100 R/W landing gear wheel covers P/W.
101 R/W landing gear fairing P/W.
102 R/W tire to P/W.
103 R/W tire and bank indicator to P/W.
104 R/W brake linkage worn.
105 R/W brake linkage worn.
106 R/W caliper disassembled, cleaning hardware, bolts and brake lining backing plates.
107 R/W wing flap stop assembly.
108 Right inboard wing main bolt spacer needs a shim.
109 Right wing fuel drain safety valve blank out.
110 R/W main cabin R/W handbrake showing more than 1 tread.

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Date Completed: 04 FEB 2020

Reg#: 6360S
AC S/N: 40 500
MFG: DIAMOND
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 1283.8
LT Prop T.T.: 0688.0

- 111 Spark plug on cylinder 2T failed test.
112 Stabilizer bushings have too much play.
113 Top and middle LR MG brake cable clips need to be replaced.
114 Upper engine cowling has fire retardant paint peeling away.

Table with columns: Labor, Hours, Rate, Amount. Includes a sub-table for Parts Used with columns: Qty, Price, Description, Serials, Cost, Sub Total.

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Date Started: 14 JAN 2020

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Reg#: 6360S
AC S/N: 40 500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8

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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 1283.8
LT Prop T.T.: 0688.0

Table with columns: Qty, Price, Description, Serials, Cost, Sub Total. Lists various aircraft parts and their associated costs.

WO#: 2020 00234

Date Started: 14 JAN 2020

Date Completed: 04 FEB 2020

Reg#: 836DS
AC SN: 40.500
MFG: DIAMOND
Model: DA-40-180
AC Tech Time: 208.8

CAE Oxford
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

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Table with 3 columns: Part Number, Description, and Quantity. Lists various aircraft components like tubes, valves, and electrical parts.

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Model: DA-40-180
AC Tech Time: 208.8

CAE Oxford
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A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

Form KFF-M-F107, Rev-
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Table with 3 columns: Part Number, Description, and Quantity. Lists maintenance items like fuel leveler, fuel tank, and electrical components.

Maintenance Release
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Work Order Totals
Labor: 37,359.93
Parts: 12,750.02
TOTAL: 50,109.95

Date: 2/4/20 Signed: [Signature]
5070 East Falcon Dr. Mesa AZ 85215 Form KFF-M-F107, Rev-FAA-CRS B4VR470K

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WO#: 2020 00818

Date Started: 22 FEB 2020

Date Completed: 22 FEB 2020

Reg#: 836DS
AC SN: 40.500
MFG: DIAMOND
Model: DA-40-180
AC Tech Time: 208.8

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 6888.0

Form KFF-M-F107, Rev-
FAA-CRS B4VR470K

Maintenance form with sections: Description of Work to be Performed, Maintenance/Repairs Performed, Labor, and Work Order Totals. Includes a signature and date.

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WO#: 2020 01666

Date Started: 13 APR 2020

Date Completed: 20 APR 2020

Reg#: 836DS
AC SN: 40.500
MFG: DIAMOND
Model: DA-40-180
AC Tech Time: 293.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Form KFF-M-F107, Rev-
FAA-CRS B4VR470K

Maintenance form with sections: Description of Work to be Performed, Labor, and Work Order Totals. Includes a detailed list of maintenance tasks and a signature.

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WO#: 2020

Date Started: 13 APR 2020
Date Completed: 20 APR 2020

Reg#: 8360S
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Form: KFF-M-F107, Rev-
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Maintenance Repairs Performed

- 1) #1 cylinder oil return line has wear mark beyond
A/C Tach Time: 293.0
Replaced #1 cylinder oil return line with new P/N 8875-1 reference to LYCOMING O/R manual sec 4
- 2) AD 2009-10-04 RLD Suspension - APTT - 1st
A/C Tach Time: 293.0
C/W AD 2009-10-04 RLD Diamond MIB 40-046/3 Gear leg found to be loose see further squawks for replacement.
- 3) AD 2009-10-04 RLD Suspension - Data - 2nd
A/C Tach Time: 293.0
Complied with by RLD replacement to P/N D41-3223-10-00_2 This renders this AD no longer applicable
- 4) AD 2015-10-07 - Fuel Injection Lines Inspection
A/C Tach Time: 293.0
C/W AD 2015-10-07 Fuel Injector Lines Inspection IAW Lycoming MIB 3420 (NEXT DUE APTT: 1,448.0)
- 5) Annual/100 Hour Inspection (10 Hr) (APTT) 1 of 2
A/C Tach Time: 293.0
I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and PMA Bi-Weekly Checked Through 2020-04 for this aircraft.
- 6) Annual/100 Hour Inspection (10 Hr) (Data) 2 of 2
A/C Tach Time: 293.0
I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and PMA Bi-Weekly Checked Through 2020-04 for this aircraft.
- 7) Cabin heat seat tube worn
A/C Tach Time: 293.0
Replaced cabin heat seat tube with p/n: 82012 as needed.
- 8) compass has low fluid level
A/C Tach Time: 293.0
Removed old compass P/N 802C-28 S/N 42037-13 Installed new compass P/N 802C-28 S/N 78327-19 IAW DA-40-180 AMN chapter 34-22-00
- 9) Deferred - Autopilot Inoperative
A/C Tach Time: 293.0
Auto Pilot Inoperative. De-deferred per PMA 81.213(8), verified placard installed, breaker pulled and calibrated
- 10) elevator bellcrank bushings worn
A/C Tach Time: 293.0

Document Revision Date: 09 Apr 2010

Page 2 of 7 for Work Order 2020 01666

WO#: 2020 01666

Date Started: 13 APR 2020
Date Completed: 20 APR 2020

Reg#: 8360S
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

- 20) ICA Taxis Engine Preheat System - APTT - 1st
A/C Tach Time: 293.0
Inspected Taxis Engine Heater before 100 hours T1C IAW Taxis TCA0001 8.1, 8.2-4. Next Due Date: 1348.0.
- 21) ICA Taxis Engine Preheat System - Data - 2nd
A/C Tach Time: 293.0
Inspected Taxis Engine Heater before 12 months IAW Taxis TCA0001 8.1, 8.2-4. Next Due Date: 04/2021
- 22) Idle RPM low 600
A/C Tach Time: 293.0
Adjusted idle and mixture IAW DA40-180 AMN chapter 05-24-01
- 23) L/W wing removed to PMA
A/C Tach Time: 293.0
Reinstalled L/W wing IAW DA40-180 AMN Ch 57-10-00
- 24) L/W fuel calibration required
A/C Tach Time: 293.0
Calibrated L/W fuel tank due to probe replacement per Q1000 system maintenance manual 190-00545-01 4.6.3
- 25) R/W fuel filler removed to PMA
A/C Tach Time: 293.0
Reinstalled R/W fuel filler with new o-ring p/n: 0203771-6524-PMA per DA40-180 AMN Ch 28-10-00
- 26) L/W fuel leak check required.
A/C Tach Time: 293.0
Performed leak check on L/W fuel tank. No leaks found.
- 27) R/W fuel tank is leaking near fuel transducer
A/C Tach Time: 293.0
Removed inboard fuel tank P/N: DA-2817-10-00_1 S/N: 2312 and replaced with new fuel tank P/N: DA-2817-10-00_1 S/N: 2500. Removed fuel probe P/N: 3010011-NXP and replaced with new P/N: 3010011-NXP. Removed fuel drain valve P/N: DA-9028-17-01. Work performed IAW DA40-180 AMN Ch 28-10-00.
- 28) Mixture cable grommets are missing
A/C Tach Time: 293.0
Installed new grommets p/n A-551-A large and p/n A-549-A small IAW DA-40-180 AMN chapter 71-10-00 on mixture cable
- 29) mixture plate out of limits 110
A/C Tach Time: 293.0
Adjusted idle and mixture IAW DA-40-180 AMN chapter 05-24-01
- 30) need to perform compass swing
A/C Tach Time: 293.0
Compass swing c/w IAW DA40 AMN sec 34-25-00 step 1.8. ops check good

Document Revision Date: 09 Apr 2010

Page 4 of 7 for Work Order 2020 01666

WO#: 2020 01666

Date Started: 13 APR 2020
Date Completed: 20 APR 2020

Reg#: 8360S
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

- 11) elevator trim block worn unable to increase friction
A/C Tach Time: 293.0
Removed worn trim friction block and rod and installed new elevator trim friction block P/N DA-2728-00-00 and rod P/N DA-2728-00-01 IAW Diamond DA-40-180 AM Ch. 27-28-00
- 12) elevator trim tab cracked
A/C Tach Time: 293.0
Removed and replaced elevator trim tab p/n: DA-5025-00-00 and installed inspected elevator trim tab p/n: DA-5025-00-00. IAW DA-40-180 AMN Ch. 50-20-00.
- 13) ELT Annual Inspection
A/C Tach Time: 293.0
ELT Annual Inspection complied with in accordance with PMA 81.207 (8) and found to be in airworthy condition. Inspection and test was performed in accordance with ATEX Manual 570-1400/ Revision A7. Battery Expiration Date for ELT Transmitter is: (01/2024). Remotes switch battery if applicable, expires: (01/2024). Next ELT Annual Inspection Due: (04/2023). ELT Registration if applicable: (01/24/2022).
- 14) Fire Extinguisher 100 Hour Inspection
A/C Tach Time: 293.0
Complied with fire extinguisher 100 hour inspection IAW Diamond DA-40-180 A.M.N. 24-00-00. Fire Extinguisher Weight: (1012)grams. (Next Due APTT: 1448.0)
- 15) Fire Extinguisher 30 Day Visual Inspection
A/C Tach Time: 293.0
Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-40-180 A.M.N. Ch. 24-00-00 (Next Due: 05/13/2020)
- 16) Fire Extinguisher Annual Inspection
A/C Tach Time: 293.0
Complied with fire extinguisher annual inspection IAW Diamond DA-40-180 A.M.N. 24-00-00. Fire Extinguisher Weight: (1012)grams. Fire Extinguisher Manufacture Date: (2019). (4 Year Inspection Due: 12/31/2023). (Next Annual Due: 04/2021)
- 17) A/D failure after engine start and taxi out
A/C Tach Time: 293.0
Installed magnetometer P/N 011-20570-00 S/N 47520598 IAW DA 40 AMN sec 34-25-00 step 10. Calibration of DME 44 C/W IAW Q1000 AMN 7.7.2.1. Ops ok good
- 18) headliner falling off
A/C Tach Time: 293.0
Re-attached headliner with adhesive as needed
- 19) horizontal fairing chaffing on stabilizer
A/C Tach Time: 293.0
Touch-up paint on chaff area on stabilizer IAW DA-40-180 AMN chapter 11-20-00

Document Revision Date: 09 Apr 2010

Page 1 of 7 for Work Order 2020 01666

WO#: 2020 01666

Date Started: 13 APR 2020
Date Completed: 20 APR 2020

Reg#: 8360S
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Form: KFF-M-F107, Rev-
FAA-CRS B4VR470K

- 31) nose landing gear pivot is cracked
A/C Tach Time: 293.0
Replaced nose landing gear leg p/n D41-3223-10-00_2-APT IAW DA40 AMN Ch 32-20-00
- 32) Oil Change at 100 Hr (with Oil Sample, Non-Reg.)
A/C Tach Time: 293.0
C/W Oil And Filter change at 100 Hr. Done IAW (40-180-00-00) Maint/ O/R Manual Ch 72-10-00. Oil sample taken and sent to AEA Global.
- 33) Pitot static leak check required for L/W wing installation
A/C Tach Time: 293.0
Performed low ramps pitot static leak test IAW DA40-180 AMN Ch 34-10-00. Leak rates within limits
- 34) preload of L/W and R/W flaps is high
A/C Tach Time: 293.0
Adjusted L/W and R/W flap preload to within limits per DA40-180 AMN Ch. 27-50-00.
- 35) R/W fuel calibration required for probe replacement.
A/C Tach Time: 293.0
Calibrated R/W fuel tank due to probe replacement per Q1000 system maintenance manual 190-00545-01 4.6.3
- 36) R/W fuel filler removed to PMA
A/C Tach Time: 293.0
Reinstalled R/W fuel filler with new o-ring p/n: 0203771-6524-PMA per DA40-180 AMN Ch. 28-10-00
- 37) R/W fuel leak check required
A/C Tach Time: 293.0
Performed leak check on R/W fuel tank. No leaks found.
- 38) R/W fuel tank is leaking near fuel transducer
A/C Tach Time: 293.0
Removed R/W inboard fuel tank P/N: DA-2817-10-00_1 S/N: 2399 and replaced with new fuel tank P/N: DA-2817-10-00_1 S/N: 2478. Removed fuel probe P/N: 3010011-NXP and replaced with new P/N: 3010011-NXP. Removed fuel drain valve P/N: DA-9028-17-01 and replaced with new P/N: DA-9028-17-01. Work performed IAW DA40-180 AMN Ch 28-10-00.
- 39) R/W wing removed to PMA
A/C Tach Time: 293.0
Reinstalled R/W wing IAW DA40-180 AMN Ch 57-10-00
- 40) Throttle cable grommets are missing
A/C Tach Time: 293.0
Installed new grommets p/n A-545-A large and p/n A-549-A small IAW DA-40-180 AMN chapter 71-10-00 on throttle cable

Document Revision Date: 09 Apr 2010

Page 5 of 7 for Work Order 2020 01666

WO#: 2020 01666

Date Started: 13 APR 2020
Date Completed: 20 APR 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0



Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Labor																			
Lutjen, J	13	5	013	30	Edwards, A	7	4	007	43	Watterman, J	0	4	005	33	Holley, T	4	9	004	14
Laferriere, A	7	5	007	24	Edwards, P	2	5	002	27	Hobbins, M	0	4	009	32	Schmidgall, J	27	1	027	04
Fircher, A	4	5	004	27	Flemmayer, W	1	4	001	20	Edwards, D	4	0	004	00	Butler, J	9	8	009	41
Jonas, D	21	0	020	54	Wilder, T	2	3	002	18	Coopertider,	14	9	014	49					

123.9 123.52

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	90197	HOOK-AND-LOOP-VELCRO		50.25	50.25
1	DA4-5525-00-00	ELEVATOR TRIM TAB		0.00	0.00
2	CAV140	DRAIN VALVE		15.34	30.68
1/2	A-549-A	GRONMET, SMALL, DIAMOND CABLE		3.49	3.49
1/2	A-549-A	GRONMET, SMALL, DIAMOND CABLE		1.89	1.89
1	SCAT 12	SCAT HOSE 3"		11.63	11.63
2	A-551-A	GRONMET, LARGE, DIAMOND CABLES		2.28	4.56
2	11-02854	Zip Tie Mount		0.91	1.82
2	15400032	SETSCREW CLAMP		2.15	4.30
2/3	15400032	SETSCREW CLAMP		2.15	4.30
1/3	15400032	SETSCREW CLAMP		1.27	1.27
1	BWP10070-840-B	BUSHING, FLANGED BRUNES		10.24	10.24
1	PAF10090P10	BUSHING AIRFRAME		4.92	4.92
2	LAP037-RS214	BOLT, HEX HEAD		3.92	7.84
2	DEH171-8524-FPM	O-Ring 8524 (Viton)		25.90	51.80
2	15400032	SETSCREW CLAMP		2.15	4.30
1/2	3010011-WEP	TRANSDUCER FUEL LEVELWIPED FUEL PROBE 64 INCH		1,499.78	1,499.78
1/2	3010011-WEP	TRANSDUCER FUEL LEVELWIPED FUEL PROBE 64 INCH		1,499.78	1,499.78
1	DA1-3221-10-00_3-AST	N/LC STRUT		1,118.41	1,118.41
1	68759	TUBE ASST		17.26	17.26
1	DA4-2718-10-50	FRICTION DAMPER BLOCK, DA-42/DA-40		59.60	59.60
1	DA4-2718-05-32	FRICTION DAMPER ROD		50.41	50.41
1	CH80110-1	OIL FILTER		15.62	15.62
1	A0A1151	OIL SAMPLE KIT		8.50	8.50
7	550042072	AEROSHELL OIL W 15W50 **ONLY USE THIS NUMBER**		6.64	46.50
1	902C-29	COMPASS DA-40-42	753217-19	447.06	447.06
1	011-00870-00	DM24 MAGNETOMETER GARNIN	47520598	887.40	887.40
1	DA4-2817-10-00_1	LH/RH INBOARD TANK	2500	1,321.08	1,321.08
1	DA4-2817-10-00_1	LH/RH INBOARD TANK	2499	1,321.08	1,321.08

WO#: 2020 01666

Date Started: 13 APR 2020
Date Completed: 20 APR 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0



Form: KFF-M-F107, Rev -
FAA-CRS B4VR470K

A/C Total Time: 1368.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1368.0
LT Prop T.T.: 6772.2

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 4/20/20 Signed: [Signature]

5030 Emv/Fatcon/Or Mesa AZ 85215 Form: KFF-M-F107 / Rev - FAA-CRS B4VR470K

Work Order Totals	
Labor	11,968.50
Parts	10,105.65
TOTAL:	22,074.15

N: 836DS S/N 40.500 Date: 20 APR 2020

AFTT: 1368.0 Tach: 1368.0 293.0 DW

This Aircraft has been placed on the CAE Progressive Inspection Program for Diamond Aircraft Model DA40-180

An Annual/100 Hour inspection is no longer required

Name: [Signature]

Cert No. and Kind: CRS #B4VR470K



CAE Oxford
Aviation Academy Phoenix

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 346.1

A/C Total Time: 1421.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1421.1
LT Prop T.T.: 6825.3

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) Brakes need to be bleed.
- 2) CO2 detector broke.
- 3) Deferred - Autopilot Inoperative
- 4) EVENT #1 IAW CAE Progressive INSP
- 5) Flexing at flap actuator attachment.
- 6) Glare shield RH attach screws wrong P/N.
- 7) ICA Tanis Engine Preheat System - AFTT - 1of2
- 8) ICA Tanis Engine Preheat System - Date - 2of2
- 9) Preliminary Inspection
- 10) R/H master cylinder is leaking.
- 11) Rudder cable tension low.

Maintenance/Repairs Performed

- 1) Brakes need to be bleed.

AIRFRAME:

Bled the brakes and removed any air left IAW Diamond AMM 32-40-00 pg. 211.

- 2) CO2 detector broke.

AIRFRAME:

Replaced CO2 detector with new CO2 detector PN 13-05755 IAW Diamond AMM DA-40-180.

- 3) Deferred - Autopilot Inoperative

AIRFRAME:

Auto pilot inoperative, re-deferred per FAR 91.213(d), ver. placard installed, circuit breaker pulled and collared.

- 4) EVENT #1 IAW CAE Progressive INSP

AIRFRAME:

I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 1, a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service.

C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342C (NEXT DUE AFTT: 1521.1)

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked through 2020-11 for this aircraft.

AVIONICS:

ELT Annual Inspection complied with as required by 14 CFR 91.207 (d) and found to be in airworthy condition.

Inspection and test was performed in accordance with ARTEX ME406 Manual 570-160 Revision AB.

Battery Expiration Date for ELT Transmitter is: (11/2026).

Remote switch battery if applicable, expires: (01/2024).

Next ELT Annual Inspection due: (06/2021).

ELT Registration if applicable : (02/04/2022).

- 5) Flexing at flap actuator attachment.

AIRFRAME:

Adjusted flap pre-load to within limits IAW DA-40-180 AMM ch. 27-50-00.

WO#: 2020 02617

Date Started: 01 JUN 2020

Date Completed: 02 JUN 2020

Reg#: 836DS
 AC S/N: 0.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 346.1



A/C Total Time: 1421.1
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 1421.1
 LT Prop T.T.: 6825.3

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

6) Glare shield RH attach screws wrong P/N.

AIRFRAME:

Installed correct break away screws p/n JN116-83-78 IAW Diamond AMM DA-40-180.

7) ICA Tanis Engine Preheat System - AFTT - 1of2

POWERPLANT:

Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due AFTT 1521.1.

8) ICA Tanis Engine Preheat System - Date - 2of2

POWERPLANT:

Inspected Tanis Engine Heater before 12 months IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 06/2021.

9) Preliminary Inspection

AIRFRAME:

C/W preliminary inspection w/ no defects found.

10) R/H master cylinder is leaking.

AIRFRAME:

Resealed bottom fitting and tightened fitting on R/H master cylinder IAW DA 40-180 AMM section 32-40-00.

11) Rudder cable tension low.

AIRFRAME:

Adjusted cable tension for the rudder to be within limits IAW DA-40-180 AMM ch. 27-20-00.

Labor

Wilder, T.	8.1	008:01	Eisenmayer, M.	10.7	010:38	Kapaldo, J.	10.2	010:11	KENNEY S	6.	006:44	
										35.6	35:34	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub	Total
1	DA4-1123-20-07	Rear Door Lock Emergency Exit Placard		11.57		11.57
2	JN116-83-78	20/40 Canopy Glareshield Screw		0.64		1.28
1	ASACOD	CARBON MONOXIDE DETECTOR, CO		3.26		3.26
1	CH48110-1	OIL FILTER		15.62		15.62
1	AOA1151	OIL SAMPLE KIT		8.50		8.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUART		6.85		47.95

WO#: 2020 02617

Date Started: 01 JUN 2020

Date Completed: 02 JUN 2020

Reg#:	836DS
A/C S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	346.1



A/C Total Time:	1421.1
RT Eng. T.T.:	
RT Prop. T.T.	
LT Eng T.T.:	1421.1
LT Prop T.T.:	6825.3

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 6-2-2020 Signed: 

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	3,378.83
Parts	88.18
TOTAL:	3,467.01

Date Started: 23 JUN 2020
Date Completed: 24 JUN 2020

A/C Total Time:	1481.0
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	1481.0
LT Prop T.T.:	6885.2

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4V470K

Reg#:	836DS
C/S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	406.0

Description of Work to be Performed

- 1) Preliminary Inspection.
- 2) Deferred - Autopilot Inoperative
- 3) EVENT #2 IAW CAE Progressive INSP
- 4) ICA Tanis Engine Preheat System - APTT - 10t2
- 5) IP Right brake soft. Can still stop A/C safely but brake gives way more than other
- 6) mixture spring broken
- 7) RH canopy latch plate broken

Maintenance/Repairs Performed

- 1) Preliminary Inspection.
- 2) Deferred - Autopilot Inoperative
Auto Pilot Inoperative. Re-deferred per FAR 91.213(d), verified placard installed, breaker pulled and collared.
- 3) EVENT #2 IAW CAE Progressive INSP
AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.
C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE APTT: 1581.0)
141 Flight School ATP AD status sheets reviewed and FAA Bi-weekly Checked Through 2020-13 for this aircraft.
- POWERPLANT:
Engine Cylinders Compression: #1- (70/80)PSI, #2- (74/80)PSI, #3- (1/80)PSI, #4- (78/80)PSI
- 4) ICA Tanis Engine Preheat System - APTT - 10t2
POWERPLANT:
Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA001 8.1. 2-6. Next Due Date: 06/2021.
- 5) IP Right brake soft. Can still stop A/C safely but brake gives way more than other
AIRFRAME:
bled right brakes IAW DA40-180 MM ch. 32-40-00
- 6) mixture spring broken
AIRFRAME:
replaced broken mixture spring with new PN RZ-063E-12X IAW DA40 MM ch.76-00-00
- RH canopy latch plate broken
AIRFRAME:
removed and replaced canopy latch plate with new PN DA4-5200-00-62_1

WO#: 2020 03465

Date Started: 13 JUL 2020

Date Completed: 13 JUL 2020

Reg#:	836DS
AC S/N:	0.500
MFG:	DIAMOND
Model:	DA-40
A/C Tach Time:	462.9



A/C Total Time:	1537.9
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	1537.9
LT Prop T.T.:	6942.1

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

8) scat tube damaged at alternator

AIRFRAME:

replaced scat tube to alternator with p/n SCAT4 as needed

9) throttle rod end bearing worn

AIRFRAME:

Replaced throttle rod end bearing with p/n: HF3M per DA40 AMM ch. 73-00-00.

Labor

Ortiz, A.	1.8	001:48	Jones, D.	2.5	002:25	Laureano, A.	6.1	006:03	
									10.3 10:16

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	HF3M	Engine Control Rod End		61.68	61.68
2	119328	WASHER RUBBER, TIE-DOWN, DA-40/42		4.70	9.40
2	DIN988-25X36X0.5	SHIM, 0.5, DA-40		1.17	2.34
1	CH48110-1	OIL FILTER		18.83	18.83
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550042072	AEROSHELL OIL W 15W50 **ONLY USE THIS NUMBER**		6.19	43.33
2	SCAT4	SCAT HOSE 1", 11PK		6.02	12.04
2	APS66-14100	BRAKE LINING, DA-40 (07-20212)		12.00	24.00

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 7/13/2020

Signed: *[Signature]*

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	987.42
Parts	180.12
TOTAL:	1,167.54

WO#: 2020 04229

Date Started: 20 AUG 2020

Date Completed: 21 AUG 2020

Reg#:	836DS
A/C S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	519.4



A/C Total Time:	1594.4
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	1594.4
LT Prop T.T.:	6998.6

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) #4 EGT clamp missing head of screw.
- 2) Deferred - Autopilot Inoperative
- 3) elevator trim tab cracked.
- 4) EVENT #4 IAW CAE Progressive INSP - 1of2
- 5) Exhaust T-Brace Cracked.
- 6) ICA Tanis Engine Preheat System - AFTT - 1of2
- 7) Intake scat tube worn.
- 8) Preliminary Inspection
- 9) Regulator cannon plug missing adel clamps.
- 10) Shroud damaged.

Maintenance/Repairs Performed

- 1) #4 EGT clamp missing head of screw.

AIRFRAME:

removed damaged EGT probe and installed new EGT probe P/N: A002BG-WIP IAW DA-40-180 AMM CH. 78-00-00.

- 2) Deferred - Autopilot Inoperative

AIRFRAME:

Autopilot inoperative. Re-deferred per FAR 91.213(d), verified placard installed, breaker pulled and collard.

- 3) elevator trim tab cracked.

AIRFRAME:

removed and replaced with inspected p/n: DA4-5525-00-00 IAW DA-40 AMM CH. 28-30-00, ops check good, also used new P/N: D41-5510-00-80.

- 4) EVENT #4 IAW CAE Progressive INSP - 1of2

AIRFRAME:

I certify that in accordance with CAE Progressive Inspection Program dated 17-May-2019 INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service.

C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 34 (NEXT DUE AFTT: 1694.4)

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checks Through 2020-17 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: #1- (72/80)Psi, #2- (74/80)Psi, #3- (74/80)Psi, #4- (76/80)Psi

- 5) Exhaust T-Brace Cracked.

AIRFRAME:

removed broken Brace and installed new Muffler brace p/n: D41-7806-20-01 IAW DA-40-180 AMM CH. 78-00-00.

ICA Tanis Engine Preheat System - AFTT - 1of2

POWERPLANT:

Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date:

WO#: 2020 04229

Date Started: 20 AUG 2020

Date Completed: 21 AUG 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DI/ IOND
 Model: DA-180
 A/C Tach Time: 519.4



A/C Total Time: 1594.4
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 1594.4
 LT Prop T.T.: 6998.6

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

POWERPLANT:

08/2021.

7) Intake scat tube worn.

AIRFRAME:

Installed new scat tube with new P/N Scat 12

8) Preliminary Inspection

AIRFRAME:

C/W preliminary inspection. No defects found.

9) Regulator cannon plug missing adel clamps.

AIRFRAME:

Installed new adel clamps P/N MS2919WDG18 and MS2919WDG10 for regulator cannon plug.

10) Shroud damaged.

AIRFRAME:

Removed damaged exhaust shroud and replaced with new shroud P/N DA40-104 IAW DA40-180 AMM CH 78-00-00.

Labor

Hans, D.	11.0	011:00	Kemp, D.	3.9	003:52	Jones, D.	6.6	006:32	Lucas, T.	13.0	012:55
										34.4	34:19

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	MS21919WDG18	CLAMP		0.83	0.83
1	MS21919WDG10	CLAMP		0.11	0.94
1	D41-5510-00-80	GLASS ROD		4.83	4.83
1	D41-7806-20-01	MUFFLER BRACE		73.80	73.80
2	SCAT 12	SCAT HOSE 3"		11.63	23.26
1	DA4-5525-00-00	ELEVATOR TRIM TAB		0.00	0.00
1	A002BG-WIP	Sensor, EGT Assy G1000 / DA40		18.16	18.16
1	DA40-104	EXHAUST SHROUD		422.27	422.27
1	CH48110-1	OIL FILTER		18.83	18.83
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550042072	AEROSHELL OIL W 15W50 **ONLY USE THIS NUMBER**		6.19	43.33

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 8/21/2020 Signed: Stacy Samms
 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	3,927.75
Parts	447.50
TOTAL:	3,975.25

WO#: 2020 04467

Date Started: 04 SEP 2020
Date Completed: 04 SEP 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 580.2

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time: 1655.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1655.2
LT Prop T.T.: 7059.4

Description of Work to be Performed	
1) Preliminary Inspection	
2) Aileron AP servo wiring unsecure	
3) Deferred - Autopilot Inoperative	
4) Elevator AP servo wiring unsecure	
5) EVENT #1 IAW CAE Progressive INSP	
6) exhaust T. brace cracked	
7) flap motor bellcrank has broken bonding strap	
8) TCA Tanis Engine Preheat System - AFTT - 1of2	
9) instrument panel lights INOP	
10) L/N M/G tire worn	
11) Mixture spring broken	
12) Pilot Canopy missing placard for door handle	
13) Right side control stick has play	
Maintenance/Repairs Performed	
1) Preliminary Inspection	AIRFRAME: C/W Preliminary inspection, no defects noted.
2) Aileron AP servo wiring unsecure	AIRFRAME: Installed 3 new anchors P/N 1A872 on aileron AP servo wiring as required
3) Deferred - Autopilot Inoperative	AIRFRAME: Auto pilot inoperative. Re-Deferred per FAR 91.213(d), verified circuit breaker pulled and placard installed.
4) Elevator AP servo wiring unsecure	AIRFRAME: Installed 3 new anchors P/N 1A872 on elevator AP servo wiring as required
5) EVENT #1 IAW CAE Progressive INSP	AIRFRAME: I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 1, a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service. C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE AFTT: 1755.2) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2020-18 for this aircraft.
AVIONICS: ELT Annual Inspection complied as required by 14 CFR 91.207 (d) and found to be in airworthy condition. Inspection and test was performed in accordance with ARTEX ME404 Manual 570-1600/ Revision AE. Battery Expiration Date for ELT Transmitter: (11/2026).	

WO#: 2020 04467

Date Started: 04 SEP 2020
Date Completed: 04 SEP 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 580.2

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time: 1655.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1655.2
LT Prop T.T.: 7059.4

AVIONICS: Remote switch battery if applicable, exp. date: (2024). Next ELT Annual Inspection due: (09/2021). ELT Registration if applicable: (02/04/2022).			
6) exhaust T. brace cracked	AIRFRAME: replaced exhaust T. brace with new IAW DA40-180 AMM 78-00-00		
7) flap motor bellcrank has broken bonding strap	AIRFRAME: Installed new terminal on flap motor bellcrank IAW AC 43.13 chap 11		
8) TCA Tanis Engine Preheat System - AFTT - 1of2	POWER/LANT: Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 1755.2.		
9) instrument panel lights INOP	AIRFRAME: Installed new flood light switch P/N K8U50121R24 IAW DA40 AMM ch 33-10-00 OPS check good		
10) L/N M/G tire worn	AIRFRAME: Removed worn and replaced with repaired M/G tire P/N DA40 Main IAW AMM 32-40-00		
11) Mixture spring broken	AIRFRAME: Replaced mixture spring P/N RZ-063E-12X With new IAW DA40-180 AMM 76-00-00		
12) Pilot Canopy missing placard for door handle	AIRFRAME: Replaced placard with new P/N DA4-1123-10-04-1 IAW DA-40-180 AMM CH 11-20-00		
13) Right side control stick has play	AIRFRAME: Tightened right side control stick mount bolt as required		
Labor			
Kircher, A. 7.4 007:23	Byrd, C. 10.6 010:31	Laureano, A. 1.3 001:19	Jones, D. 11.0 012:58
Ortiz, A. 3.5 003:27			
		35.6 35:36	
Parts Used			

WO#: 2020 04467

Date Started: 04 SEP 2020

Date Completed: 04 SEP 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 580.2



A/C Total Time: 1655.2
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 1655.2
 LT Prop T.T.: 7059.4

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

Qty	Part#	Description	Serial#	Cost	Sub Total
1	KSU5021R24	Potentiometer, SK		68.41	68.41
1	CM48110-1	OIL FILTER		26.22	26.22
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550042072	AEROSHIELD OIL W 15W50 **ONLY USE THIS NUMBER**		6.19	43.33
6	1A872	ADHESIVE BACKED MOUNTING BASE		0.27	1.62
1	KZ-063E-12X	DA40 Engine Control Spring		3.63	3.63
1	DA1-7806-20-01	MUFFLER BRACE		73.80	73.80
1	DA4-1123-10-04_1	Placard,Locking Canopy Outside		12.05	12.05
1	DA40 MAIN	DA40 MAIN TIRE BUILT ASSY		0.00	0.00

Maintenance Release

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Date: 9/4/2020 Signed: [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor 3,483.75
 Parts 237.56
 TOTAL: 3,721.31

WO#: 2020 04750

Date Started: 17 SEP 2020

Date Completed: 18 SEP 2020

Reg#:	836DS
A/C S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	639.0



A/C Total Time:	1714.0
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	1714.0
LT Prop.T.T.:	7118.2

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) #1 cylinder top spark plug damaged.
- 2) 480 Hour Inspection IAW CAE Progressive INSP
- 3) All 4 intake gaskets leaking.
- 4) Deferred - Autopilot Inoperative
- 5) EVENT #2 IAW CAE Progressive INSP
- 6) ICA Tanis Engine Preheat System - AFTT - 1of2
- 7) Magneto Replacement, LH(Non-Reg.)
- 8) Magneto Replacement, RH(Non-Reg.)
- 9) Preliminary Inspection.
- 10) Right landing gear wearing out.

Maintenance/Repairs Performed

- 1) #1 cylinder top spark plug damaged.
AIRFRAME:
Replaced damaged spark plug with new P/N: REM388 IAW Lycoming Direct Drive Manual Ch. 74-20-03.
- 2) 480 Hour Inspection IAW CAE Progressive INSP
AIRFRAME:
Complied with 480 Hour inspection IAW CAE Progressive INSP.
- 3) All 4 intake gaskets leaking.
AIRFRAME:
Removed and replaced intake gaskets with new P/N: 71973 IAW Lycoming O/H Manual Ch. 72-60-07.
- 4) Deferred - Autopilot Inoperative
AIRFRAME:
Auto pilot inoperative. Re-deferred per FAR 91.213(d), verified placard installed, breaker pulled and collared.
- 5) EVENT #2 IAW CAE Progressive INSP
AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program dated 17-May-2020, INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/placard were performed and are approved for return to service. C/W AD 2015-19-07 fuel injector inspection IAW Lycoming MSB 342G. (NEXT DUE AFTT: 1814.0) 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-19 for this aircraft.
POWERPLANT:
Engine Cylinders Compression: #1- (72/80)Psi, #2- (70/80)Psi, #3- (74/80)Psi, #4- (74/80)Psi.
- 6) ICA Tanis Engine Preheat System - AFTT - 1of2
POWERPLANT:
Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 09/2021.
- 7) Magneto Replacement, LH(Non-Reg.)
AIRFRAME:

WO#: 2020 04750

Date Started: 17 SEP 2020

Date Completed: 18 SEP 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 639.0



A/C Total Time: 1714.0
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 1714.0
 LT Prop T.T.: 7118.2

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

AIRFRAME:

Removed Timed-out Slick LH Magneto P/N: 4347 S/N:(11030992) and Installed (repaired)Slick LH Magneto P/N: 4347 S/N:(11030992) IAW Lycoming Overhaul Manual Sec. 4.

8) Magneto Replacement, RH(Non-Reg.)

AIRFRAME:

Removed Timed-out Slick RH Magneto P/N: 4370 S/N:(18061376) and Installed (repaired)Slick RH Magneto P/N: 4370 S/N:(92070446) IAW Lycoming Overhaul Manual Sec. 4.

9) Preliminary Inspection.

AIRFRAME:

C/W preliminary inspection. No defects noted.

10) Right landing gear wearing out.

AIRFRAME:

Visually inspected R/H landing gear and found the R/H tire needs replacement. Removed and replaced R/H tire with repaired P/N: DA40 Main IAW DA40-180 AMM Ch. 32-10-00.

Labor

Cooper, Q.	9.7	009:37	Wilder, T.	0.9	000:54	Byrd, C.	9.7	009:37	Tice, M.	9.7	009:38
										29.8	29:46

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	DA40 Repl. Brake Set	Brake Set		0.0	0.00
1	DA40 MAIN	DA40 MAIN TIRE BUILT ASSY		0.0	0.00
1	CH48110-1	OIL FILTER		18.75	18.75
1	FR-08504	AIR FILTER DA40/42		87.98	87.98
4	71973	INTAKE GASKET		0.93	3.72
1	REM38S	SPARK PLUG ARCHER, SEMINOLE, DA40		78.15	78.15
1	LW12681	GASKET, MAGNETO, LYCOMING		1.26	1.26
1	ALE1013AS	BRUSH SET ASSY, ALTERNATOR		20.09	20.09
7	550042072	AEROSHELL OIL W 15W50 **ONLY USE THIS NUMBER**		6.19	43.33
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
1	4370	MAGNETO RIGHT SLICK	92070446	475.00	475.00
1	4347	MAGNETO DA 40/42 SLICK	11030992	450.00	50.00

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 9/18/2020 Signed: [Signature]
 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	2,827.83
Parts	1,186.78
TOTAL:	4,014.61

WO#: 2020 05107

Date Started: 02 OCT 2020

Date Completed: 03 OCT 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 702.2



A/C Total Time: 1777.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1777.2
LT Prop T.T.: 7181.4

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed	
1)	Preliminary Inspection
2)	Deferred - Autopilot Inoperative
3)	EVENT #3 IAW CAE Progressive INSP
4)	Evidence of oil leak at front of engine.
5)	Idle high @ 870 RPM's.
6)	L/H brake linings worn.
7)	L/h wheel replacement @ Event #3.
8)	R/H brake linings worn.
9)	R/h wheel replacement @ Event #3.
10)	Roll pin on propeller hub bolt is plugged / obstructed.
Maintenance/Repairs Performed	
1)	Preliminary Inspection AIRFRAME: C/W preliminary inspection. No defects noted.
2)	Deferred - Autopilot Inoperative AIRFRAME: Autopilot Inoperative. Re-deferred per FAR 91.213(d). Verified Breaker pulled and collared and placard installed.
3)	EVENT #3 IAW CAE Progressive INSP AIRFRAME: I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 3, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service. C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE APTT: 1877.2) 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-20 for this aircraft.
4)	Evidence of oil leak at front of engine. POWERPLANT: Removed and replaced leaking engine crankshaft seal with new seal P/N: LW13792 IAW IO-360-M1A O/H Manual 72-60-06
5)	Idle high @ 870 RPM's. POWERPLANT: Ad, rpm IAW DA40-180 AMM ch. 70-00-00 para 8(c).
6)	L/H brake linings worn. AIRFRAME: Replaced L/H brake linings with repaired p/n DA40 Repl. Brake Set. per Cleveland MM sect. 200.
7)	L/h wheel replacement @ Event #3. AIRFRAME: Replaced L/h wheel assy. with repaired p/n DA40 MAIN per DA40-180 AMM ch. 32-40-00

WO#: 2020 05107

Date Started: 02 OCT 2020

Date Completed: 03 OCT 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 702.2



A/C Total Time: 1777.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1777.2
LT Prop T.T.: 7181.4

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

8)	R/H brake linings worn. AIRFRAME: Replaced R/H brake linings with repaired p/n DA40 Repl. Brake Set. per Cleveland MM sect. 200.						
9)	L/h wheel replacement @ Event #3. AIRFRAME: Replaced r/h wheel assy. with repaired p/n DA40 MAIN per DA40-180 AMM ch. 32-40-00.						
10)	Roll pin on propeller hub bolt is plugged / obstructed. PROPELLER: Removed and replaced old roll pin with new roll pin P/N: C-350-750 IAW DA40-180 AMM 61-00-00.						
Labor							
Lucas, T.	11.8 011:43	Laureano, A.	2.8 002:46	Hiana, D.	2.7 002:40	Jones, D.	3.6 003:34
20.8 20:43							
Parts Used							
Qty	Part#	Description	Serial#	Cost	Sub Total		
1	C-350-750	ROLL PIN, PROPELLER		1.44	1.44		
1	LW13792	SEAL CRANKSHAFT, OIL		14.82	14.82		
1	DA40 Repl. Brake Set	Brake Set		0.00	0.00		
1	DA40 Repl. Brake Set	Brake Set		0.00	0.00		
1/2	DA40 MAIN	DA40 MAIN TIRE BUILT ASSY		0.00	0.00		
1/2	DA40 MAIN	DA40 MAIN TIRE BUILT ASSY		0.00	0.00		
1	CH48110-1	OIL FILTER		26.22	26.22		
1	AGA1151	OIL SAMPLE KIT		8.50	8.50		
7	550042072	AEROSHELL OIL W 15W50 **ONLY USE THIS NUMBER**		6.19	43.33		
Maintenance Release							
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order. Date: 10/3/2020 Signed: <i>[Signature]</i> 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K							
Work Order Totals							
Labor	1,985.92						
Parts	94.31						
TOTAL:	2,080.23						

WO#: 2020 05468

Date Started: 18 OCT 2020
Date Completed: 18 OCT 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 760.8



A/C Total Time: 1835.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1835.8
LT Prop T.T.: 7240.0

Form: KFF-M-F107, Rev -
FAA-CRS-B4VR470K

Description of Work to be Performed	
1) Deferred - Autopilot Inoperative	
2) EVENT #4 IAW CAE Progressive INSP *Annual Limit* - 2of2	
3) EVENT #4 IAW CAE Progressive INSP - 1of2	
4) Preliminary Inspection.	
5) Spark plugs require replacement	
Maintenance/Repairs Performed	
1) Deferred - Autopilot Inoperat:	
AIRFRAME:	
Autopilot insp. re-defer: : FAR 91.213(d) verified placard installed, breaker pulled and collared.	
2) EVENT #4 IAW CAE Progressive INSP *Annual Limit* - 2of2	
AIRFRAME:	
For details see discrepancy EVENT #4 IAW CAE Progressive INSP.	
3) EVENT #4 IAW CAE Progressive INSP - 1of2	
AIRFRAME:	
I certify that in accordance with CAE Progressive Inspection Program dated 17-May-2019 INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service.	
C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 3420. (NEXT DUE APTT: 1935.8)	
141 Flight School ATP AD Status Sheets Reviewed and FAA E1-Weekly Checked Through 2020-21 for this aircraft.	
POWERPLANT:	
Engine Cylinders Compression: #1- (72/80)Psi, #2- (76/80)Psi, #3- (78/80)Psi, #4- (77/80)Psi	
PRELIMINARY INSPECTION.	
ENGINE:	
preliminary inspection C/W No defects noted.	
5) Spark plugs require replacement	
POWERPLANT:	
Removed and replaced all spark plugs with inspected P/N R80385 repl. set IAW Lycoming direct drive O/H manual	
Labor	
Melhan, R. 2.6 002:34	Alvarado, E. 2.6 002:34
5.2 5:08	
Parts Used	

WO#: 2020 05468

Date Started: 18 OCT 2020
Date Completed: 18 OCT 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 760.8



A/C Total Time: 1835.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1835.8
LT Prop T.T.: 7240.0

Form: KFF-M-F107, Rev -
FAA-CRS-B4VR470K

Qty	Part #	Description	Serial#	Cost	Sub Total
1	R80385 repl. set	Spark plug set		0.00	0.00
1	CM48110-1	OIL FILTER		18.75	18.75
1	ADA1151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15#50 DISPENSE BY QUART		6.24	43.68
Maintenance Release					Work Order Totals
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					Labor 487.67
Date: 10/18/2020 Signed:					Parts 70.93
5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS-B4VR470K					TOTAL: 558.60

WO#: 2020 05690

Date Started: 28 OCT 2020

Date Completed: 29 OCT 2020

Reg#:	836DS
CC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A' Tach Time:	821.4



A/C Total Time:	1896.4
RT Eng. T.T.:	
RT Prop. T.T.	
LT Eng T.T.:	1896.4
LT Prop T.T.:	7300.6

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) Deferred - Autopilot Inoperative
- 2) Engine idle high @ 880 w/no mixture rise.
- 3) EVENT #1 IAW CAE Progressive INSP
- 4) ICA Tanis Engine Preheat System - AFTT - 1of2
- 5) Preliminary Inspection.

Maintenance/Repairs Performed

- 1) Deferred - Autopilot Inoperative

AIRFRAME:

Autopilot in op, redeferred per FAR 91.213(d). verified placard installed, circuit breaker pulled and collared.

- 2) Engine idle high @ 880 w/no mixture rise.

AIRFRAME:

During post-ground run-up found Idle and mixture to be within limits IAW DA-40-180 P.O.H. Chapter 4. ops check good

- 3) EVENT #1 IAW CAE Progressive INSP

AIRFRAME:

I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 1, a routine inspection of engine/propeller and airframe and a detailed inspection of cabin were performed and are approved for return to service. C/W AD 5-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE AFTT: 1996.4) 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-22 for this aircraft.

AVIONICS:

ELT Annual Inspection complied with as required by 14 CFR 91.207 (d) found to be in airworthy condition.
 Inspection and test was performed in accordance with ARTEX ME-406 M 570-1600/ Revision AE.
 Battery Expiration Date for ELT Transmitter is: (11/2026).
 Remote switch battery if applicable, expires: (01/2024).
 Next ELT Annual Inspection due: (10/2021).
 ELT Registration if applicable : (04/04/2022).

- 4) ICA Tanis Engine Preheat System - AFTT - 1of2

POWERPLANT:

Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2 Next Due Date:10/2021.

- 5) Preliminary Inspection.

AIRFRAME:

C/W preliminary inspection, no defects found.

Labor

Kapaldo, J.	1.6	001:31	Truett, B.	8.7	008:38	Brown, M.	10.2	010:07	Laureano, A.	000:53
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21.2 21:09

WO#: 2020 05690

Date Started: 28 OCT 2020

Date Completed: 29 OCT 2020

Reg#:	836DS
AC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	821.4



A/C Total Time:	1896.4
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	1896.4
LT Prop T.T.:	7300.6

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUART		6.24	43.68
1	CH48110-1	OIL FILTER		18.75	18.75

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 10/29/2020 Signed: *Stacy Sampson*

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals	
Labor	2,009.25
Parts	70.93
TOTAL:	2,080.18

WO#: 2020 05907

Date Started: 10 NOV 2020

Date Completed: 11 NOV 2020

Reg#: 836DS
A/C S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tech Time: 881.1



A/C Total Time: 1956.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1956.1
LT Prop T.T.: 7360.3

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) #3 Intake gasket leaking
- 2) Deferred - Autopilot Inoperative
- 3) Engine baffle grommet worn
- 4) EVENT #2 IAW CAE Progressive INSP
- 5) L/H Magneto needs to be timed
- 6) Mixture spring and Bracket worn, need replacement
- 7) Muffler blown out
- 8) Preliminary Inspection
- 9) Removed spark plugs for event #2 cleaning and testing

Maintenance/Repairs Performed

- 1) #3 Intake gasket leaking

AIRFRAME:

Replaced #3 intake gasket p/n 71973 from shop stock IAW Lycoming O/H manual ch 72-60-00

- 2) Deferred - Autopilot Inoperative

AIRFRAME:

- Autopilot inoperative. Re-deferred per FAR 91.213(d) verified circuit breaker pulled and collared, and placard installed

- 3) Engine baffle grommet worn

AIRFRAME:

Removed and replaced baffle grommet with new P/N: 3785_12 IAW DA-40-180 AMM 75-00-00

- 4) EVENT #2 IAW CAE Progressive INSP

AIRFRAME:

I certify that in accordance with CAE Progressive Inspection Program dated 17-MAR-19 INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service. C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE AFTT: 2056.1)141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-23 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: #1- (74/80)Psi, #2- (78/80)Psi, #3- (72/80)Psi, #4- (72/80)Psi

- 5) L/H Magneto needs to be timed

AIRFRAME:

Adjusted magneto timing to be within limits IAW Lycoming O/H manual sect. 4

- 6) Mixture spring and Bracket worn, need replacement

AIRFRAME:

Replaced mixture spring p/n RZ-063E-12X and bracket p/n D41-7326-00-01_1 IAW DA40-180 AMM ch 76-00-00

- Muffler blown out

AIRFRAME:

Removed and replaced muffler with overhaul muffler S/N: 031970 P/N: DA40-7R, removed and replaced

WO#: 2020 06033

Date Started: 16 NOV 2020

Date Completed: 24 NOV 2020

Reg#:	836DS
AC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	898.9

CAE Oxford

Aviation Academy Phoenix

A/C Total Time:	1973.9
RT Eng. T.T.:	
LT Eng T.T.:	1973.9
LT Prop T.T.:	7378.1

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Labor							
stone, p	56.7	056:40	Kircher, A.	4.8	004:43	Motley, T.	1.2 001:07
						62.5	62:30

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
2	KDU1034	CARBON FIBER TAPE, 2 METER LENGHT		2.96	5.92
1	A-3650-2	Ignition Switch Kit		14.83	14.83

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 11/24/2020 Signed: Stuart S. [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals	
Labor	5,961.08
Parts	20.75
TOTAL:	5,981.83

WO#: 2020 06421

Date Started: 04 DEC 2020

Date Completed: 04 DEC 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 941.4

CAE Oxford
 Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

A/C Total Time: 2016.4
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 2016.4
 LT Prop T.T.: 7420.8

Description of Work to be Performed	
1)	Preliminary Inspection.
2)	Alternator terminal boot missing
3)	Bonding wire broken at right hand aileron bellcrank
4)	Co Pilot side rear seat handle sheared off
5)	Deferred - Autopilot Inoperative
6)	EVENT #3 IAW CAE Progressive INSP
7)	Nose gear inspection
Maintenance/Repairs Performed	
1)	Preliminary Inspection. AIRFRAME: C/W Preliminary inspection no defects noted.
2)	Alternator terminal boot missing AIRFRAME: Installed new insulator boot p/n NS25171-15 on both positive and negative terminals.
3)	Bonding wire broken at right hand aileron bellcrank AIRFRAME: Removed terminal from R/H aileron bellcrank and replaced with new P/N 321045 IAW AC 43.13-28 Ch. 11 sec. 14 pg. 11-73
4)	Co Pilot side rear seat handle sheared off AIRFRAME: Reinstalled Co-Pilot seat handle IAW DA40-180 AMN Ch. 25-10-00
5)	Deferred - Autopilot Inoperative AIRFRAME: Autopilot re-deferred per FAR 91.213 (d), verified placard installed, breaker pulled and collared
6)	EVENT #3 IAW CAE Progressive INSP AIRFRAME: I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 3, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service. C/W AD 2015-19-07 fuel injector inspection IAW Upcoming MSB 3420. (NEXT DUE AFTT: 2116.4) 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-24 for this aircraft.
7)	Nose gear inspection AIRFRAME: Completed inspection of nose gear per the content of Diamond MSB 40-46/3. (add findings)Next due AFTT 2216.4

WO#: 2020 06421

Date Started: 04 DEC 2020

Date Completed: 04 DEC 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 941.4

CAE Oxford
 Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

A/C Total Time: 2016.4
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 2016.4
 LT Prop T.T.: 7420.8

Parts Used	
Qty	Part# Description Serial# Cost Sub Total
2	NS25171-15 Electrical Insulating Boot 0.09 0.18
1	CH48110-1 OIL FILTER 18.75 18.75
1	ADA1143 OIL SAMPLE KIT 8.50 8.50
7	550050000 AEROSHELL OIL 15W 50 DRUM 55GL 6.19 43.33
Maintenance Release	
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order. Date: <u>12/4/2020</u> Signed: <u>[Signature]</u> 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K	
Work Order Totals	
Labor	1,858.83
Parts	70.76
TOTAL:	1,929.59

WO#: 2020 06628

Date Started: 18 DEC 2020
Date Completed: 18 DEC 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 994.0

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS-B4VR470K

A/C Total Time: 2069.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2069.0
LT Prop T.T.: 7473.2

Description of Work to be Performed	
1)	cyl #4 intake gasket leaking
2)	Deferred - Autopilot Inoperative
3)	Essential Bus Check (1000 Hour)
4)	EVENT #4 IAW CAE Progressive INSP - 1of2
5)	High idle and zero mixture rise
6)	ICA GTX 3XX Equipment Inspection
7)	ICA Tanis Engine Preheat System - APTT - 1of2
8)	ICA Tanis Engine Preheat System - Date - 2of2
9)	Preliminary Inspection.
10)	Pressure relief valve leaking
Maintenance/Repairs Performed	
1)	cyl #4 intake gasket leaking
POWERPLANT:	
Removed leaking intake gasket from cyl #4 and replaced with new P/N 7193 IAW Lycoming O/H manual ch: 72-60-00	
2)	Deferred - Autopilot Inoperative
AIRFRAME:	
Autopilot inop. re-deferred per FAR 91.213(d) verified placard installed, breaker pulled and collared	
3)	Essential Bus Check (1000 Hour)
AIRFRAME:	
Performed Essential Bus Check IAW DA40-180 AMM 24-60-00. (NEXT DUE: APT 3069.0)	
4)	EVENT #4 IAW CAE Progressive INSP - 1of2
AIRFRAME:	
I certify that in accordance with CAE Progressive Inspection Program dated 17-May-2019 INSPECTION EVENT #4 inspection of engine/propeller and airframe and a detailed inspection of engine cylinders were performed and are approved for return to service.	
On 2020-12-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE APTT: 2169.0)	
Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-25 for this alt.	
POWERPLANT:	
Cylinder Compression: #1- (70/80)Psi, #2- (78/80)Psi, #3- (76/80)Psi, #4- (78/80)Psi	
5)	High idle and zero mixture rise
POWERPLANT:	
Adjusted idle and mixture rise to be within limits IAW DA40-180 AMM ch. 71-02-00. ops check good	
6)	ICA GTX 3XX Equipment Inspection
AVIONICS:	
Performed equipment visual inspection of the equipment installed by STC SA01714WI before 12 months per GTX MM, 190-00734-33, Sec. 4.4 and 4.5. Next Due: 12/2020.	

WO#: 2020 06628

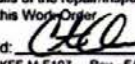
Date Started: 18 DEC 2020
Date Completed: 18 DEC 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 994.0

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS-B4VR470K

A/C Total Time: 2069.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2069.0
LT Prop T.T.: 7473.2

7)	ICA Tanis Engine Preheat System - APTT - 1of2				
POWERPLANT:					
Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due Hours: 2169.0 hrs.					
8)	ICA Tanis Engine Preheat System - Date - 2of2				
POWERPLANT:					
Inspected Tanis Engine Heater before 12 months IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 12/2021.					
9)	Preliminary Inspection.				
AIRFRAME:					
C/W preliminary inspection no defects noted					
10)	Pressure relief valve leaking				
POWERPLANT:					
Removed leaking pressure relief valve crush gasket and replaced with new P/N MS35769-31 IAW DA40-180 AMM ch. 79-00-00 and Lycoming O/H manual Appendix 3					
Labor					
Mullen, K.	4.2 004:08				
Alvarado, K.	3.2 003:08				
7.3 7:16					
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	MS35769-31	GASKET, ANNULAR, OIL PRESSURE		1.97	1.97
1	REM188	RELIEF VALVE, PIPER		42.48	42.48
1	CH48110-1	SPARK PLUG ARCHER, SEMINOLE, DA40		18.83	18.83
1	AGA1151	OIL FILTER		8.50	8.50
7	550050889	OIL SAMPLE KIT		6.19	43.33
Maintenance Release		Work Order Totals			
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy Phoenix Inc. filed under this Work Order.					
Date: 12/18/2020 Signed: 					
5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS-B4VR470K					
				Labor	690.33
				Parts	115.11
				TOTAL:	805.44

WO#: 2021 00083

Date Started: 08 JAN 2021
Date Completed: 10 JAN 2021

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1058.5

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 2133.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2133.5
LT Prop T.T.: 7537.7

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) 2 instrument panel screws need replacement due to length.
- 2) Baffle loose rod R/H side of engine
- 3) Brakes require bleeding
- 4) CO Detector Card Replacement
- 5) Deferred - Autopilot Inoperative
- 6) Dipstick tube loose.
- 7) EVENT #1 IAW CAE Progressive INSP
- 8) ICA Tanis Engine Preheat System - AFTT - 1of2
- 9) ICA Tanis Engine Preheat System - Date - 2of2
- 10) L/H brake linings worn
- 11) L/H passenger vent is loose.
- 12) LH baffle rod loose.
- 13) Magns require timing.
- 14) Parking brake is inop
- 15) Parking brake lever worn
- 16) Preliminary Inspection
- 17) R/H brake calliper is leaking
- 18) R/H brake linings worn

Maintenance/Repairs Performed

- 1) 2 instrument panel screws need replacement due to length.
AIRFRAME:
Replaced the 2 screws P/N M251957-44L
- 2) Baffle loose rod R/H side of engine
AIRFRAME:
Replaced baffle rod P/N D41-7166-10-80 IAW DA40 180 AMM ch 75-00-00
- 3) Brakes require bleeding
AIRFRAME:
Bled brakes IAW DA40 180 AMM ch 12-10-00
- 4) CO Detector Card Replacement
AIRFRAME:
Replaced CO Card with new CO Card P/N 13-05755 per package instructions.
- 5) Deferred - Autopilot Inoperative
AIRFRAME:
Autopilot inop. Be-deferred per FAR 91.213(d). Verified placard installed, breaker pulled and collared.
- 6) Dipstick tube loose.
AIRFRAME:
Tightened dipstick tube and re oiled IAW AC43.13-1B

WO#: 2021 00083

Date Started: 08 JAN 2021
Date Completed: 10 JAN 2021

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1058.5

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 2133.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2133.5
LT Prop T.T.: 7537.7

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

7) EVENT #1 IAW CAE Progressive INSP

AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EVENT # 1, a routine inspection of engine/protection system, airframe and a detailed inspection of cabin were performed and are approved for return to service.

C/W AD 2015-19-07 fuel interior leak. IAW Lycoming HSB 342G. (NEXT DUE AFTT: 2233.5)

14) RT Prop. T.T. Status Sheets Required and FAA Bi-Weekly Checked Through 2021-01 for this Aircraft.

AVIONICS:
Preliminary inspection required by 14 CFR 91.207 (d) and found to be in airworthy condition and test was performed in accordance with ARTXN MS-406 Manual 570-1600/ Revision AE. Battery Expiration Date: 11/2026. Transmitter (s): (11/2026). Magneto switch battery (s) applicable, expires: (01/2024). Next ELF Annual Inspection due: (01/2022). ELT Registration if applicable: (04/04/2022).

8) ICA Tanis Engine Preheat System - AFTT - 1of2

POWERPLANT:
Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due AFTT: 2233.5 Hrs.

9) ICA Tanis Engine Preheat System - Date - 2of2

POWERPLANT:
Inspected Tanis Engine Heater before 12 months IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 01/2022.

10) L/H brake linings worn

AIRFRAME:
Removed and replaced brake linings P/N 07-20212 IAW Cleveland CMM act 200.

11) L/H passenger vent is loose.

AIRFRAME:
Repaired and reinstalled with new strip caulk P/N 051135-08578 IAW DA40 180 AMM ch 26-20-00

12) LH baffle rod loose.

AIRFRAME:
Replaced baffle rod P/N D41-7166-10-80 IAW DA40 180 AMM ch 75-00-00

13) Magns require timing.

AIRFRAME:
Timed magnetos IAW Lycoming 10-360-mia O/H manual ch 72-60-03

14) Parking brake is inop

AIRFRAME:
Replaced parking brake Bowden cable P/N T22700034 IAW DA40 180 AMM ch 32-40-00

15) Parking brake lever worn

WO#: 2021 00083

Date Started: 08 JAN 2021

Date Completed: 10 JAN 2021

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 1058.5



Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

A/C Total Time: 2133.5
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 2133.5
 LT Prop T.T.: 7537.7

AIRFRAME:
 Replaced parking brake lever with new lever P/N D41-7613-10-16 IAW DA40 180 AMM ch 31-10-00

16) Preliminary Inspection
AIRFRAME:
 C/W preliminary inspection. No further defects noted.

17) R/W brake caliper is leaking
AIRFRAME:
 Replaced O-ring with new O-ring P/N M028775-224 IAW Cleveland CMM sct 200.

18) R/W brake linings worn
AIRFRAME:
 Removed and replaced brake linings P/N 07-20212 IAW Cleveland CMM sct 200.

Labor

Godbold, M.	16.8	016:40	Brown, M.	15.9	015:49	Sheffield, M.	11.7	011:40	Kemp, D.	16.8	016:44
61.0 60:58											

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	D2N1258-M6-PA	WASHER NYLON		0.19	0.19
1	D2N1258-M6-PA	WASHER NYLON		0.19	0.19
1	CH48130-1	OIL FILTER		18.83	18.83
1	ADA1151	OIL SAMPLE KIT		8.50	8.50
1	D41-7166-10-80	Rod, Baffle, Retaining		29.72	29.72
1	T22700034	BONDEN CABLE		6.38	6.38
2	07-20212	BRAKE LININGS, DA-40		12.00	24.00
2	051135-08578	STRIP CAULK (PERMAQUIN BEAD NO. 576)		19.96	39.92
7	550050888	AEROSHELL OIL 15W 50 DRUM 55G.		6.19	43.33
1	13-05755	ASA CO CARD		2.98	2.98
1	D41-7166-10-80	Rod, Baffle, Retaining		29.72	29.72
1	D41-7613-10-16	LEVER, THROTTLE, QUAD		28.19	28.19
2	M051957-44B	Screw, Panhead Brass, glassshield.		0.25	0.50
1	M028775-224	O-RING (DA40 ONLY)		0.46	0.46
2	07-20212	BRAKE LININGS, DA-40		12.00	24.00

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 10/30/21 Signed: [Signature]
 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor 5,850.17
 Parts 256.91
TOTAL: 6,107.08

1)	480 Hour Inspection IAW CAE Progressive INSP	AIRFRAME:	Completed with 480 Hour inspection IAW CAE Progressive INSP.
2)	Deferred - Autopilot Inoperative	AIRFRAME:	Autopilot inoperative. Re-deferred per FAR 91.213(d), verified placard installed, breaker pulled and collared.
3)	EVENT #2 IAW CAE Progressive INSP	AIRFRAME:	I certify that in accordance with CAE Progressive Inspection Program and 17-May-19 INSPECTION EVENT # 2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.
			C/W AD 2015-19-07 Fuel Injector Lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 2287.4
			141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked through 2021-2 for this aircraft.
		POWERPLANT:	Engine Cylinders Compression: #1- (72 /80)Psi, #2- (76 /80)Psi, #3- (80 /80)Psi #4- (80 /80)Psi
4)	ICA Tanis Engine Preheat System - AFTT - 1012	POWERPLANT:	Inspected Tanis Engine Preheat System before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 2,287.4
5)	ICA Tanis Engine Preheat System - Date - 2012	POWERPLANT:	Inspected Tanis Engine Heater before 12 months IAW Tanis TCA0001 8.1, 8.2-6. Next Due Date: 01/2022.
6)	L/H Magneto requires replacement.	AIRFRAME:	Removed R/H magneto P/N: 4347 S/N: 11030992 and replaced with repaired magneto P/N: 4347 S/N: 12120305, IAW DA40-180 MM 74-10-00.

Maintenance/Repairs Performed

1)	480 Hour Inspection IAW CAE Progressive INSP
2)	Deferred - Autopilot Inoperative
3)	EVENT #2 IAW CAE Progressive INSP
4)	ICA Tanis Engine Preheat System - AFTT - 1012
5)	ICA Tanis Engine Preheat System - Date - 2012
6)	L/H Magneto requires replacement.
7)	Mixture spring broken.
8)	Preliminary inspection
9)	R/H Magneto requires replacement
10)	Static RPM is low.

Description of Work to be Performed

Reg#:	836DS	AC S/N:	40.500
MFG:	DIAMOND	Model:	DA-40-180
A/C Tach Time:	1112.4	Form:	KFF-M-F107, Rev - FAA-CRS:B4VR470K

CAE Oxford
Aviation Academy Phoenix

Date Started: 21 JAN 2021
Date Completed: 22 JAN 2021

A/C Total Time:	2187.4
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	2187.4
LT Prop T.T.:	7591.6

WO#: 2021 00211

Date Started: 21 JAN 2021

Date Completed: 22 JAN 2021

Reg#:	836DS
C S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1112.4



A/C Total Time:	2187.4
RT Eng. T.T.:	
RT Prop. T.T.	
LT Eng T.T.:	2187.4
LT Prop T.T.:	7591.6

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

7) Mixture spring broken.

AIRFRAME:

Removed and replaced broken mixture spring with new P/N: RZ-063E-12X IAW DA40-180 AMM Ch. 73-00-00.

8) Preliminary inspection

AIRFRAME:

C/W preliminary inspection. No defects noted.

9) R/H Magneto requires replacement

AIRFRAME:

Removed R/H magneto P/N: 4370 S/N: 92070446 and replaced with repaired magneto P/N: 4370 S/N: 19070077, IAW DA40-180 AMM 74-10-00.

10) Static RPM is low.

AIRFRAME:

Adjusted static to be within limits IAW DA40-180 AMM Ch. 61-20-00.n Ops check good.

Labor

Atler, J.	6.3	006:18	Pagan, J.	0.9	000:54	Tice, M.	11.3	011:18	Kapaldo, J.	1.6	001:36
Byrd, C.	8.0	007:56	Cooperrider, B.	1.0	001:00	Robbins, M.	3.3	003:17			
										32.4	32:19

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	RZ-063E-12X	DA40 Engine Control Spring		3.63	3.63
1	CH48110-1	OIL FILTER		18.83	18.83
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550050888	AEROSHELL OIL 15W 50 DRUM 55GL		7.89	55.23
2	LW12681	GASKET, MAGNETO, LYCOMING		1.43	2.86
1	FR-08504	AIR FILTER DA40/42		87.98	87.98
1	ALE1013AS	BRUSH SET ASSY, ALTERNATOR		17.22	17.22
1	4370	MAGNETO RIGHT SLICK	19070077	495.00	495.00
1	4347	MAGNETO DA 40/42 SLICK	12120305	495.00	495.00

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 1-22-21 Signed: [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	3,079.58
Parts	1,144.25
TOTAL:	4,223.83

WO#: 2021 00478

Date Started: 11 FEB 2021
Date Completed: 12 FEB 2021

Reg#: 836DS
AC S/N: 40 500
MFG: DIAMOND
Model: DA-40-180
AC Tech Time: 1167.8

CAE Oxford
Aviation Academy Phoenix
Form: KFF-M-F107, Rev. -
FAA-CRS:BAVR470K

AC Total Time: 2242.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2242.8
LT Prop T.T.: 7647.0

Description of Work to be Performed

11	alt belt needs tensioned
12	Alternator belt dry-retted.
13	C/W Preliminary Inspection, no defects noted.
14	C/W 82 intake gasket leaking.
15	Deferred - Autopilot Inoperative
16	EWERT 83 IAW CAE Progressive INSP
17	High Idle @ 780 w/ no rise.
18	Incorrect mounting hardware for alternator
19	Low static @ 2610
20	M/D stop plate damaged
21	oil cooler releasing foam
22	oil pressure relief valve leaking
23	prop needs safetied
24	prop removed from
25	HM wing aft position light is burnt out.
Maintenance/Repair Performed	
11	alt belt needs tensioned adjusted alt. belt tension as required per DA40 AMM 24-00-00
12	Alternator belt dry-retted. Removed worn belt and replaced w/new P/N 3YAL9775-376, IAW DA40-180 AMM, ch. 24-30-00.
13	C/W Preliminary Inspection, no defects noted. C/W Preliminary Inspection, no defects noted.
14	C/W 82 intake gasket leaking. Removed leaking gasket and replaced w/new P/N 71879 IAW Lycoming O/R Manual Sec. 8.
15	Deferred - Autopilot Inoperative Autopilot loop, re-deferred per FAR 91.213(d). Verified placard installed, breaker pulled and collared.
16	EWERT 83 IAW CAE Progressive INSP I certify that in accordance with CAE Progressive Inspection Program dated 17-May-19 INSPECTION EWBRT 83, a routine inspection of engine/propeller, airframe and a detailed inspection of wings and landing gear were performed and are approved for return to service. C/W AD 2015-14-07 Fuel Injector 11see Inspection IAW Lycoming MSB 342G. (EWERT DUB AF77: 2,142.8)
17	141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2021-03 for CHS

WO#: 2021 00478

Date Started: 11 FEB 2021
Date Completed: 12 FEB 2021

Reg#: 836DS
AC S/N: 40 500
MFG: DIAMOND
Model: DA-40-180
AC Tech Time: 1167.8

CAE Oxford
Aviation Acad.emy
Form: KFF-M-F107
FAA-CRS:BAVR470K

AC Total Time: 2242.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2242.8
LT Prop T.T.: 7647.0

21	M/D stop plate damaged Adjusted the static to within limits IAW LIM DA40 AMM 71-00-00. Ope check good.						
22	oil cooler releasing foam replaced M/D steering travel stop PN DA1-3221-00-51 IAW DA40-180 AMM ch. 32-20-00						
23	prop needs safetied Installed new foam PN 1220-25 from shop stock						
24	prop removed from safetied the propeller bolts IAW DA40 AMM 61-00-00						
25	HM wing aft position light is burnt out. Replaced bulb with new PN: 34-0428070-64, IAW DA40 AMM ch. 33-40-08. Ope check good.						
Labor							
Green, J.	6.5 006:273	Stutz, B.	6.3 006:131	Ward, R.	5.4 005:211	Comp, D.	5.1 005:101
Rowland, J.	7.4 007:101	Dunn, D.	2.7 002:142				
33.2 33:08							

WO#: 2021 00478

Date Started: 11 FEB 2021

Date Completed: 12 FEB 2021

Reg#: 836DS
 AC S/N: 40500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 1167.8



Form: KFF-M-F107, Rev -
 FAA-CRS-B4VR470K

A/C Total Time: 2242.8
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 2242.8
 LT Prop T.T.: 7647.0

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
2	STD-872	CASTLE NUT		6.95	13.90
6	STD690	Washer		1.45	8.70
1	M828775-228	O-RING PROPELLER		0.67	0.67
1	DIN965-M12-A2	NUT HEXAGON NYLON LOCK DIAMOND		1.54	1.54
1	DA1-3223-00-51	DA-40 NLG Stop Plate		143.34	143.34
2	76534	SHIM, 1.130X.411DX.005THICK		12.46	24.92
1	AN6-16	BOLT, 10PK		1.98	1.98
1	AN6-17	BOLT 1.313 3/8 X 1 41/64 HEX HD N/ NICLE		1.78	1.78
1	DIN965-M12-A2	NUT HEXAGON NYLON LOCK DIAMOND		1.54	1.54
1	71973	INTAKE GASKET		1.08	1.08
1	M828775-228	O-RING PROPELLER		0.67	0.67
1	37A19773-376	BELT, ALTERNATOR		80.48	80.48
1	M835769-31	GASKET, ANNULAR, OIL PRESSURE RELIEF VALVE, PIPER		1.97	1.97
1	34-0428070-64	28v NAV/Position Light Bulb (APT)		41.99	41.99
1	CH48110-1	OIL FILTER		18.83	18.83
1	ADA1151	OIL SAMPLE KIT		8.50	8.50
7	550050888	AEROSHELL OIL 15W 50 DRUM 55QL		7.89	55.23

Maintenance Release
 This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.
 Date 2/12/2021 Signed: [Signature]
 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS-B4VR470K

Work Order Totals	
Labor	3,197.83
Parts	407.12
TOTAL:	3,604.95

WO#: 2021 00592

Date Started: 25 FEB 2021
Date Completed: 27 FEB 2021

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1202.1



Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time: 2277.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2277.1
LT Prop T.T.: 7681.3

Description of Work to be Performed							
1)	Preliminary inspection.						
2)	Bonding and Static Discharging Systems Check (1000 Hour)						
3)	ICA G1000 Bonding Resistance Test - STC SA01254HI-D						
4)	ICA Tanis Engine Preheat System - AFTT - 1of2						
5)	ICA Tanis Engine Preheat System - Date - 2of2						
6)	L/R fuel filler fixing ring found to be damaged.						
7)	L/R outboard static wick damaged.						
Maintenance/Repairs Performed							
1)	Preliminary inspection. AIRFRAME: C/W preliminary inspection. No defects found.						
2)	Bonding and Static Discharging Systems Check (1000 Hour) AIRFRAME: Performed Bonding System and Static Discharging System Check IAH Diamond DA-40-180 AMK 51-80-00. (NEXT DUE: AFTT 4277.1)						
3)	ICA G1000 Bonding Resistance Test - STC SA01254HI-D AIRFRAME: Performed electrical bonding resistance check of all G1000 equipment after 1000 hours TIS and in conjunction with DA40 AMK 51-80-00 bonding test, if able, IAH G1000 MM, 190-00545-00, section 4.5. (Record Test Equipment Calibration S/N H292916 Cal date 3/23/201 Next Due AFTT: 3277.1)						
4)	ICA Tanis Engine Preheat System - AFTT - 1of2 POWERPLANT: Inspected Tanis Engine Heater before 100 hours TIS IAH Tanis TCA0001 8.1, 8.2-6. Next Due Date: 2377.1.						
5)	ICA Tanis Engine Preheat System - Date - 2of2 POWERPLANT: Inspected Tanis Engine Heater before 12 months IAH Tanis TCA0001 8.1, 8.2-6. Next Due Date: 02/2022.						
6)	L/R fuel filler fixing ring found to be damaged. AIRFRAME: Replaced L/R fuel filler fixing ring w/ new (P/H: NR366) IAH DA40-180 AMK ch. 28-10-00.						
7)	L/R outboard static wick damaged. AIRFRAME: Removed and replaced static wick with new (P/H 16630).						
Labor							
Ward, D.	9.7 009:42	Ortiz, A.	6.7 006:41	Brown, M.	9.8 009:46	Kapoor, P.	15.6 015:34
Cooper, J.	7.5 007:30						
49.3 49:13							

WO#: 2021 00592

Date Started: 25 FEB 2021
Date Completed: 27 FEB 2021

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1202.1



Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time: 2277.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2277.1
LT Prop T.T.: 7681.3

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	NR36C	FUEL FILLER FIXING RING		71.39	71.39
1	NR36C	FUEL FILLER FIXING RING		64.08	64.08
1	16630	STATIC WICK, DA-40		73.50	73.50
Airframe Release					Work Order Totals
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Particulars of the inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.					Labor 4,675.58
Date: 2/27/2021 Signed: [Signature]					Parts 208.97
5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS: B4VR470K					TOTAL: 4,884.55

WO#: 2021 00704

Date Started: 09 MAR 2021

Date Completed: 10 MAR 2021

Reg#: 836DS
C S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1230.7



A/C Total Time: 2305.7
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2305.7
LT Prop T.T.: 7709.9

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) alt air hard to move
- 2) defective starter
- 3) Deferred - Autopilot Inoperative
- 4) elevator trim bellow torn in half
- 5) EVENT #4 IAW CAE Progressive INSP *Annual Limit* - 2of2
- 6) EVENT #4 IAW CAE Progressive INSP - 1of2
- 7) found on finals fwd cam-lock receptacle on bottom cowl broken.
- 8) Instrument flood light inoperative.
- 9) Preliminary Inspection
- 10) RH baffle tie rod not secured

Maintenance/Repairs Performed

- 1) alt air hard to move

AIRFRAME:

replaced alternate air valve p/n D41-7166-20-30 & flange p/n D41-7166-20-33 using new bolt p/n D41-7166-20-32 & O-rings p/n DIN3771-85X2-NBR. replaced Bowden cable p/n T22700034 per DA40-180 AMM ch 73-10-00

- 2) defective starter

AIRFRAME:

removed starter p/n.149-24LS s/n F41-441646 and installed new starter p/n 149-24LS s/n H-U100926 per DA40-180 amm ch 80-00-00

- 3) Deferred - Autopilot Inoperative

AIRFRAME:

Auto Pilot inoperative. Re-deferred per FAR 91.213(d), verified p/n and installed, breaker pulled and collared.

- 4) elevator trim bellow torn in half

AIRFRAME:

replaced elevator trim bellow with new p/n k050201001 per DA40-180 amm ch 73-10-00

- 5) EVENT #4 IAW CAE Progressive INSP *Annual Limit* - 2of2

AIRFRAME:

For details see discrepancy EVENT #4 IAW CAE Progressive INSP.

- 6) EVENT #4 IAW CAE Progressive INSP - 1of2

AIRFRAME:

I certify that in accordance with CAE Progressive Inspection Program dated 17-May-2013, SECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of empennage were performed and are approved for return to service. C/W AD 2015-19-07 fuel system lines inspection IAW Lycoming MSB 342G. (NEXT DUE APTT: 2405.7) 141 Flight School ATP AD Sheets Reviewed and FAA Bi-Weekly Checked Through 2021-05 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: #1- (70/80)Psi, #2- (70/80)Psi, #3- (79/80)Psi, #4- (74/80)Psi

- 7) found on finals fwd cam-lock receptacle on bottom cowl broken.

WO#: 2021 00704

Date Started: 09 MAR 2021

Date Completed: 10 MAR 2021

Reg#: 83 DS
 AC S/N: 40000
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 1230.7



A/C Total Time: 2305.7
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 2305.7
 LT Prop T.T.: 7709.9

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

AIRFRAME:

replaced r/h fwd camlock receptacle with p/n 244-16g per DA40-180 amm ch 71-10-00

8) Instrument flood light inoperative.

AIRFRAME:

re-connected flood light plug. ops check good.

9) Preliminary Inspection

AIRFRAME:

c/w preliminary inspection no defects noted.

10) RH baffle tie rod not secured

AIRFRAME:

removed and replaced RH baffle tie w/new p/n D41-7166-10-80. IAW DA40-180 AMM ch 72-00-00

Labor

Edwards, D.	3.0	003:00	Wolnik, J.	3.6	003:31	Laureano, A.	8.1	008:03
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14.6 14:34

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	TAP-K-BS-48	BLIND RIVET		0.10	0.20
4	T22700034	BOWDEN CABLE		3.66	14.64
1	D41-7166-10-80	Rod, Baffle, Retaining		29.72	29.72
1	K050201001	BELLOW, ELEVATOR TRIM, DA-40/42		19.63	19.63
2	DIN3771-85X2-NBR	O-RING,		2.56	5.12
1	D41-7166-20-30	VALVE BODY		207.33	207.33
1	D41-7166-20-33	FLANGE		348.82	348.82
1	62232-004	Stack, Rear, Right, with EGT hole.		162.00	162.00
1	62230-003	Stack, Front, Right with EGT hole.		753.77	753.77
1	D41-7166-10-80	Rod, Baffle, Retaining		29.72	29.72
1	D41-7166-20-32	BOLT		32.17	32.17
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550050888	AEROSHELL OIL 15W 50 DRUM 55GL		6.85	47.95
1	CH48110-1	OIL FILTER		18.83	18.83
1	244-16G	Camloc Receptacle		6.11	6.11
1	149-24LS	STARTER DA40 SKYTEC	H-U100926	801.71	801.71

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 03/10/2021 Signed: [Signature]
 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	1,401.42
Parts	2,486.22
TOTAL:	3,887.64



5010 E. Falcon Drive
Mesa, Arizona
United States 85215

Tel +1-480-948-4515
Fax +1-480-443-8861
caeoaa.com/phoenix

April 1, 2021

Michael G, Moyer
Principal Maintenance Inspector
Scottsdale Flight Standards District Office
17777 North Perimeter Drive
Scottsdale, Arizona 85255

Dear Mr. Moyer,

The following aircraft is being **REMOVED** from our Progressive Inspection Program. Reasoning is we have been leasing this aircraft and at this time we are returning the aircraft back to the Leaser.

- Diamond DA40
- N836DS
- S/N: 40.500
- @ 2364.8 A.F.T.T.

Best Regards,

A handwritten signature in black ink that reads "David Wagner". The signature is written in a cursive, flowing style.

David Wagner
Chief Inspector
CAE Oxford Aviation Academy Phoenix
5030 East Falcon Drive
Mesa, Arizona, United States 85215

WO#: 2021 01367

Date Started: 20 MAY 2021

Date Completed: 03 JUN 2021

Reg#:	836DS
CAC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1289.8



A/C Total Time:	2364.8
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	2364.8
LT Prop T.T.:	7769.0

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Description of Work to be Performed

- 1) #2 baffle cracked/broken.
- 2) #3 baffle cracked/broken.
- 3) #4 cyl oil drain tube contacting hose clamp on fuel transducer bracket clamp
- 4) ALT air removed to FOM.
- 5) Alternator requires replacement.
- 6) Baffle rods broken.
- 7) Baffles removed to FOM.
- 8) DA40 Engine Replacement
- 9) engine break in runs required
- 10) Engine fuel lines require replacement.
- 11) Engine oil lines require replacement.
- 12) Exhaust removed to FOM.
- 13) Fuel servo requires replacement.
- 14) Mixture spring broken.
- 15) Motor/engine mounts require replacement.
- 16) no fuel flow indication
- 17) Oil cooler removed for replacement.
- 18) preliminary inspection
- 19) Prop Gov. requires replacement.
- 20) Removed carpets.
- 21) Removed propeller for overhaul.
- 22) Removed seats for re-upholstery.
- 23) Removed wall panels and rudder cable covers for re-upholstery.
- 24) Spinner removed to FOM.
- 25) Starter requires replacement.

Maintenance/Repairs Performed

- 1) #2 baffle cracked/broken.
POWERPLANT:
Replaced #2 baffle P/N D41-7166-12-00X01 with new IAW DA40-180 AMM 75-00-00.
- 2) #3 baffle cracked/broken.
POWERPLANT:
Replaced #3 baffle P/N: D41-7166-13-00-1 with repaired baffle IAW DA40-180 AMM 75-00-00.
- 3) #4 cyl oil drain tube contacting hose clamp on fuel transducer bracket clamp
AIRFRAME:
repositioned fuel transducer bracket clamp for clearance on #4 cyl oil drain tube
- 4) ALT air removed to FOM.
POWERPLANT:
Re-installed ALT air assy. IAW DA40-180 AMM 71-60-00.
- 5) Alternator requires replacement.

- AIRFRAME:**
- 9) performed engine break in with satisfactory results IAW Lycoming service instructions no. 1427C dated 12/29/2010
AIRFRAME:
 engine break in runs required
 - 8) DA40 Engine Replacement
POWERPLANT:
 Removed timed out engine Model No.: IO-360-M1A SN:L-31871-51A with TSN:2364.8 hrs, TSO:NA hrs and installed rebuilt engine M/P No.: RKNPL-RT10051 SN:RL-33866-51E with TSN:0.0 hrs, TSO:NA hrs IAW Diamond DA40-180 AMM ch. 71-00-00.
 - 7) Baffles removed to POM.
POWERPLANT:
 Re-installed baffles IAW DA40 AMM 75-00-00.
 - 6) Baffle rods broken.
POWERPLANT:
 Replaced baffle rods P/N: D41-7166-10-80 with new IAW DA40-180 AMM 11-20-00.
 - 5) Fuel servo requires replacement.
POWERPLANT:
 Removed fuel servo P/N: 2576568-1, S/N: 70843101 and replaced with new fuel servo P/N: AV2576568-1, S/N: AV51781917 IAW DA40 AMM 73-00-00.
 - 4) Mixture spring broken.
POWERPLANT:
 Replaced mixture spring P/N: RZ-063E-12X with new IAW DA40 AMM 73-00-00.
 - 3) Motor/engine mounts require replacement.
POWERPLANT:
 Replaced engine motor mounts P/N: J-9613-58 with new IAW DA40 AMM 71-20-00.
 - 2) Exhaust removed to POM.
POWERPLANT:
 Re-installed exhaust IAW DA40 AMM 78-00-00.
 - 1) Engine oil lines require replacement.
AIRFRAME:
 Replaced all engine oil lines with new IAW DA40 AMM 79-00-00. see aero performance order # 14595407
 - 11) Engine oil lines require replacement.
AIRFRAME:
 Replaced all engine fuel lines with new IAW DA40 AMM 28-00-00. see aero performance order # 14595407
 - 12) Exhaust removed to POM.
POWERPLANT:
 Re-installed exhaust IAW DA40 AMM 78-00-00.
 - 13) Fuel servo requires replacement.
POWERPLANT:
 Removed fuel servo P/N: 2576568-1, S/N: 70843101 and replaced with new fuel servo P/N: AV2576568-1, S/N: AV51781917 IAW DA40 AMM 73-00-00.
 - 14) Mixture spring broken.
POWERPLANT:
 Replaced mixture spring P/N: RZ-063E-12X with new IAW DA40 AMM 73-00-00.
 - 15) Motor/engine mounts require replacement.
POWERPLANT:
 Replaced engine motor mounts P/N: J-9613-58 with new IAW DA40 AMM 71-20-00.
 - 16) no fuel flow indication

A/C Total Time:	2364.8
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	2364.8
LT Prop T.T.:	7769.0

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

CAE Oxford
 Aviation Academy Phoenix

Reg#:	36DS
AC S/N:	4 500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1289.8

Date Started: 20 MAY 2021
 Date Completed: 03 JUN 2021

WO#: 2021 01367

WO#: 2021 01367

Date Started: 20 MAY 2021

Date Completed: 03 JUN 2021

Reg#:	836DS
AC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1289.8



A/C Total Time:	2364.8
RT Eng. T.T.:	
RT Prop. T.T.	
LT Eng T.T.:	2364.8
LT Prop T.T.:	7769.0

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

AIRFRAME:

removed fuel flow transducer PN 680501-1-29.8 MOD installed new fuel flow transducer PN 680501-1-29.8 MOD IAW DA40-180 AMM ch. 28-00-00 ops and leak check good

17) Oil cooler removed for replacement.

AIRFRAME:

Installed new oil cooler P/N: 10578T, S/N: 1775 IAW DA40 AMM 79-00-00.

18) preliminary inspection

AIRFRAME:

C/W preliminary inspection no further defects noted

19) Prop Gov. requires replacement.

PROPELLER:

removed prop governor PN C210776 S/N 00257 installed overhauled prop governor PN C210776 S/N 2334432D IAW IAW DA40 AMM 61-20-00

20) Removed carpets.

AIRFRAME:

this discrepancy was not worked at this time

21) Removed propeller for overhaul.

PROPELLER:

Re-installed propeller P/N: HC-C2YR-1BF, S/N: CH37702B after O/H Lutzell owners manual ch. 61-00-15.

22) Removed seats for re-upholstery.

AIRFRAME:

this discrepancy was not worked at this time

23) Removed wall panels and rudder cable covers for re-upholstery.

AIRFRAME:

this discrepancy was not worked at this time

24) Spinner removed to FOM.

PROPELLER:

Re-installed spinner IAW DA40 AMM 61-00-00.

25) Starter requires replacement.

POWERPLANT:

Removed starter P/N: 149-24LS, S/N: H-U100926 and replaced with new starter P/N: 1 H-1011876 S/N: H-1011876 IAW DA40 AMM 80-00-00.

Labor

Kircher, A.	37.9	037:53	Jones, D.	39.0	038:57
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76.9 76:50

WO#: 2021 01367

Date Started: 20 MAY 2021

Date Completed: 03 JUN 2021

Reg#: 836DS
 AC S/N: 10.500
 MFG: DI...ND
 Model: DA-40-180
 A/C Tach Time: 1289.8



A/C Total Time: 2364.8
 RT Eng. T.T.:
 RT Prop. T.T.:
 LT Eng T.T.: 2364.8
 LT Prop T.T.: 7769.0

Form: KFF-M-F107, Rev -
 FAA-CRS:B4VR470K

Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	RZ-063E-12X	DA40 Engine Control Spring		3.63	3.63
2	D41-7166-10-80	Rod, Baffle, Retaining		29.72	59.44
1	D41-7166-13-00-1	BAFFLE #3		0.00	0.00
1/7	100QT	AeroShell 550041171 Piston Engine Oil 100, 1 qt		5.98	5.98
3/7	100QT	AeroShell 550041171 Piston Engine Oil 100, 1 qt		5.98	17.94
3/7	100QT	AeroShell 550041171 Piston Engine Oil 100, 1 qt		5.98	17.94
1	680501-1-29.8-MOD	FUEL FLOW TRANSDUCER (INCLUDES CONNECTOR) for DA40		990.90	990.90
1	MS28775-228	O-RING PROPELLER		0.67	0.67
1	D41-7166-12-00X01	GOVERNOR PROPELLER BAFFLE CYLINDER 2MT		558.37	558.37
2	AN7-44A	BOLT, ENGINE MOUNT, 5PK		4.35	8.70
1	FR-08504	AIR FILTER DA40/42		87.98	87.98
4	MS20365-720C	NUT; 10PK		1.99	7.96
1	124J001-8CR0313	HOSE, ENGINE DA40		176.19	176.19
8	STD-2233	NUT EXHAUST, LYCOMING		12.29	98.32
1	D41-7326-00-01_1	40/42 Mixture Spring Bracket		15.92	15.92
1	124J003-6CR0144	FUEL HOSE, ENGINE		136.92	136.92
1	124J002-6CR0064	FUEL HOSE, ENGINE		108.46	108.46
1	CARPET SHIP SET	DA40 FULL CARPET SET		2,485.00	2,485.00
1	11-00900	1/8" SHRINK TUBE		0.07	0.07
1	CH48110-1	OIL FILTER		19.24	19.24
2/4	J9613-58	ENGINE MOUNT		273.36	546.72
2/4	J9613-58	ENGINE MOUNT		273.36	546.72
2	AN7-43A	BOLT, ENGINE		3.99	7.98
1	124J001-6CR0153	HOSE, ENGINE		90.99	90.99
1	AE3660121B0195	HOSE ASSY		136.49	136.49
1	124F001-4CR0112	HOSE, OIL PRESSURE, G100, DA-40		53.16	53.16
1	AE3660001E0066	HOSE ASSY		65.77	65.77
1	AE3663162H0157	HOSE ASSY		173.89	173.89
3	SWT-1/8	SPIRAL WRAP 1/8 INCH		1.65	4.95
1	HC-C2YR-1BF	PROPELLER DA-40	CH37702B	2,898.03	2,898.03
1	RENPL-RT10051	ENGINE DA40 LYCOMING REBUILT	RL-33866-51E	34,421.98	34,421.98
1	DAI-9079-00-01	OIL COOLER, DA-40, ***MODIFIED***10578T	1775	1,727.60	1,727.60
1	149-24LS	STARTER DA40 SKYTEC	H-1011876	782.30	782.30
1	C210776	GOVERNOR PROPELLER DA-40 ONTIC	2334432D	2,009.45	2,009.45
1	ALU-8521R	ALTERNATOR DA40 (R)	A017855	1,299.00	1,299.00

WO#: 2021 01367

Date Started: 20 MAY 2021

Date Completed: 03 JUN 2021

Reg#:	836DS
C S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1289.8



A/C Total Time:	2364.8
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	2364.8
LT Prop T.T.:	7769.0

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

Maintenance Release

This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and repaired in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. filed under this Work Order.

Date: 6-3-21 Signed: [Signature]
5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS.B4VR470K

Work Order Totals

Labor	7,683.33
Parts	49,564.66
TOTAL:	57,247.99

11/MAY/2021 TSN 7769.0 TSO 0.0
MN HC-C2YR-1BF SN CH37072B
Overhaul and static balance
Refer to WO #15169 and 8130-3 # 40114
for details.

[Signature]
Dennis N Warner Jr
Warner Propeller Tucson, AZ
FAA CRS# W59R659N



WO#: 2021 01964

Date Started: 29 JUL 2021

Date Completed: 16 AUG 2021

Reg#:	836DS
AC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1289.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time:	2364.8
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	0.0
LT Prop T.T.:	6688.0

Description of Work to be Performed

- 1) #1 bottom spark plug removed to POM
- 2) Alt air operation binding.
- 3) Annual/100 Hour Inspection (18 Hr) (Date) 2 of 2
- 4) Annual/100 Hour Inspection (APTT) 1 of 2
- 5) Battery dead
- 6) Both fuel fill placards are worn.
- 7) Both step grip tape removed.
- 8) Both tie down grommets are worn.
- 9) Bowden cable broke on alternate air valve.
- 10) Can't overcome pitch trim servo clutch.
- 11) Canopy glare shield removed.
- 12) Canopy latch placard is worn.
- 13) engine driven fuel pump needs safetied
- 14) fuel hoses disconnected from engine driven fuel pump to POM
- 15) Fuel pressure indication is erratic
- 16) Ground placards missing.
- 17) high fuel pressure on post runs
- 18) LH magneto removed to POM
- 19) No step placards missing from flaps.
- 20) No touch placards missing from ailerons and rudder.
- 21) oil filter removed to POM
- 22) Oil temp. sensor not safetied to engine.
- 23) ops and leak check required for engine driven fuel pump replacement
- 24) Pitch servo is missing bridle cable and clamps.
- 25) Preliminary Inspection
- 26) Removed carpets
- 27) Removed seats for Re-upholstery
- 28) Removed wall panels and rudder cable covers for Re-upholstery
- 29) Stall warning placard missing.
- 30) Wheel fairings need to be installed.
- 31) Wing walks removed.

Maintenance/Repairs Performed

- 1) #1 bottom spark plug removed to POM
AIRFRAME:
Installed spark plug IAW Lycoming O/H manual
- 2) Alt air operation binding.
POWERPLANT:
Replaced Alt Air Valve P/N D41-7166-20-31, inlet duct P/N D41-7166-20-31, valve body P/N D41-7166-20-31 and O-rings P/N AS-568-042 with new IAW DA40-180 AMM 76-00-00.
- 3) Annual/100 Hour Inspection (18 Hr) (Date) 2 of 2
AIRFRAME:

WO#: 2021 01964

Date Started: 29 JUL 2021

Date Completed: 16 AUG 2021

Reg#:	836DS
AC S/N:	40.500
MFG:	DIAMOND
Model:	DA-40-180
A/C Tach Time:	1289.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time:	2364.8
RT Eng. T.T.:	
RT Prop. T.T.:	
LT Eng T.T.:	0.0
LT Prop T.T.:	6688.0

AIRFRAME:

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2021-16 for this aircraft.

4) Annual/100 Hour Inspection (APTT) 1 of 2

AIRFRAME:

I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. 141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2021-16 for this aircraft.

POWERPLANT:

5) Battery dead

AIRFRAME:

Replaced main battery P/N RQ24-15M, SH 41111778 with new one P/N RQ24-15M, SH 41143970 IAW DA40-180 AMM ch. 34-10-00, ops check good.

6) Both fuel fill placards are worn.

AIRFRAME:

L/R and R/H fuel tank placards replaced with new P/N D41-1127-10-22 IAW DA40 AMM ch. 11-20-00.

7) Both step grip tape removed.

AIRFRAME:

Replaced both step grip tapes as needed.

8) Both tie down grommets are worn.

AIRFRAME:

Replaced both tie down grommets P/N 119328 with new as needed.

9) Bowden cable broke on alternate air valve.

AIRFRAME:

Replaced Bowden cable P/N D41-9078-00-04 with new IAW DA40-180 AMM 76-00-00.

10) Can't overcome pitch trim servo clutch.

AIRFRAME:

Replaced pitch trim servo assy. P/N D41-2213-30-00-WIP, SH 7392 with inspected one P/N D41-2213-30-00-WIP, SH 6379 IAW DA40-180 AMM ch. 22-10-00, ops check good.

11) Canopy glare shield removed.

AIRFRAME:

Re-attached canopy glare shield as needed.

12) Canopy latch placard is worn.

AIRFRAME:

Replaced canopy latch placard with new P/N DA4-1123-10-04_1 IAW DA40-180 AMM ch. 11-20-00.

13) engine driven fuel pump needs safetied

WO#: 2021 01964

Date Started: 29 JUL 2021
Date Completed: 16 AUG 2021

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time: 2364.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 6688.0

AIRFRAME:
Installed safety wire IAW AC43.13-18 ch. 7 sect. 7

14) fuel hoses disconnected from engine driven fuel pump to FOM
AIRFRAME:
reinstalled fuel hoses on engine driven fuel pump as required

15) Fuel pressure indication is erratic
AIRFRAME:
Replaced fuel pressure transducer cannon plug with new PN NS3116P8-4S IAW DA40-180 AMM ch 77-00-00.
Ops check good.

16) Ground placards missing.
AIRFRAME:
Replaced ground placard with new P/N DA-1123-10-10 IAW DA40 AMM ch. 11-20-00.

17) High fuel pressure on post runs
AIRFRAME:
replaced engine driven fuel pump PN LW15473 SN 62B26931 with overhauled one PN LW 15473 SN 082D05
IAW Lycoming IO-360-MIA maintenance/overhaul manual ch. 71-10-00.

18) LH magneto removed to FOM
AIRFRAME:
re timed and reinstalled LH magneto IAW Lycoming O/H manual sect. 4

19) No step placards missing from flaps.
AIRFRAME:
No step placards replaced w/new P/N DA-1123-10-02 IAW DA40 AMM ch. 11-20-00.

20) No touch placards missing from ailerons and rudder.
AIRFRAME:
Replaced no touching placards w/new P/N DA-1123-10-01 IAW DA40 AMM ch. 11-20-00.

21) oil filter removed to FOM
AIRFRAME:
reinstalled new oil filter PN CH48110-1 IAW DA40-180 AMM ch. 5-20-00

22) Oil temp. sensor not safetied to engine.
POWERPLANT:
Safetied oil temp to engine as needed.

23) eps and leak check required for engine driven fuel pump replacement
AIRFRAME:
performed mechanical fuel pump leak check. leak check good

24) Pitch servo is missing bridle cable and clamps.
AIRFRAME:
Installed new pitch servo bridle cable PN D41-2213-10-70 and new clamps PN D41-2213-10-50 IAW

WO#: 2021 01964

Date Started: 29 JUL 2021
Date Completed: 16 AUG 2021

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:B4VR470K

A/C Total Time: 2364.8
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 0.0
LT Prop T.T.: 6688.0

AIRFRAME:
DA40-180 AMM ch. 22-10-00

25) Preliminary Inspection
GENERAL:
CV preliminary inspection. no defects noted.

26) Removed carpets
AIRFRAME:
Re-installed carpets back into plane as needed.

27) Removed seats
AIRFRAME:
Re-installed seats into plane as needed.

28) Removed wall panels and rudder cable covers for Re-upholstery
AIRFRAME:
Re-installed wall panels and rudder cable covers as needed.

29) Stall warning placard missing.
AIRFRAME:
Replaced stall warning placard w/new P/N 20-1120-00-10 IAW DA40 AMM ch. 11-20-00.

30) Wheel fairings need to be installed.
AIRFRAME:
Installed wheel fairings IAW DA40-180 AMM ch. 32-10-00 and 32-20-00.

31) Wing walks removed.
AIRFRAME:
Replaced L/R and R/R wing walks with new P/N D60-1127-10-52_01, (L/R) and D41-5300-00-71_3, (R/R)
IAW DA40 AMM ch. 11-20-00.

Labor

Schmit, D.	6.0	006:00	Cooperrider, S.	51.1	051:04	Ortiz, A.	3.2	003:12	Schmidgall, J.	3.2	003:12
Cooper, Q.	0.9	000:52	Mulham, R.	0.9	000:51	Jones, D.	45.1	045:04	Simmons, K.	2.0	002:00

112.3 112:15

Parts Used

DATE: AUGUST 20, 2024 | HARTZELL PROPELLER | HC-C2YR-1BF/F7495S | S/N: CH37702B
TACH: 1513.8 HRS. TTP: 7993 HRS. TSMOH: 224

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA40 AMM, INSPECTION CHECKLIST, AND HARTZELL PROPELLER MAINTENANCE MANUAL. AD'S CHECKED THROUGH BIWEEKLY NUMBER 2024-16. NO AD'S DUE AT THIS TIME.

I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.



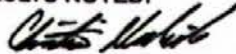
CHRISTIAN HEDRICK

A&P 3740465 IA

DATE: SEPTEMBER 16, 2025 | HARTZELL PROPELLER | HC-C2YR-1BF/F7495S | S/N: CH37702B
TACH: 1620.4 HRS. TTP: 8099.6 HRS. TSMOH: 330.6

REMOVED PROPELLER FROM AIRCRAFT N836DS S/N:(40.500). THE PROPELLER IS IN SERVICEABLE CONDITION AND NO FAULTS NOTED.

CHRISTIAN HEDRICK



A&P 3740465 IA