

AIRCRAFT TECHNICAL RECORD

Section 4. PROPELLER LOG

PROPELLER LOG

1. Make Hartzell
2. Model Hart HC-C2XR-1BF/F7495S
3. Specification Number P-920
4. Date of Manufacture November 11, 2003
5. Hub Serial Number CH37702B
6. Blades
 - (a) Design No. _____
 - (b) Blade Serial Numbers:
 - (1) _____
 - (2) _____
 - (3) _____
 - (4) _____
 - (5) _____
 - (c) Pitch Settings
 - (1) Basic _____
 - (2) High _____
 - (3) Low _____
 - (4) Reverse _____



Section 4A: Propeller Service and Maintenance Record

DATE 1 / 1	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HOURS	MIN	HOURS	MIN
BROUGHT FORWARD				

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)

Star Flight Training LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 5/5/2026 Tail #: N611H

Aircraft Make/Model: Diamond DA40 Propeller Make: Hartzell

Propeller Model: HC-C2YR-1BF/F7495S

Propeller S/N: CH37702B Tach Time: 2959.6 TSMOH: 330.6

Total Time: 8099.6

Work Performed: Installed prop on the new engine with a new O-ring. Dressed all minor erosion from blade leading edges. Serviced hub with NYCO Grease. C/W ICA on Hartzell Propeller STC SA02476CH-D per Hartzell Document ICA_102706 and no defects noted at this time.

All work listed above was performed I/R/T Hartzell Propeller Owner's Manual No. 115N and AC 43.13 In reference to the work listed above, this propeller was found to be in an airworthy condition and is approved for return to service.


William Painter A&P 3170695 1A

Star Flight Training LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Propeller Date: 5/5/2026 Tail #: N611H

Aircraft Make/Model: Diamond DA40 Propeller Make: Hartzell

Propeller Model: HC-C2YR-1BF/F7495S

Propeller S/N: CH37702B Tach Time: 2959.6 TSMOH: 330.6

Total Time: 8099.6

Work Performed: I certify this propeller has been serviced and inspected I/R/T a 100 Hour Inspection I/R/T Hartzell Propeller Owner's Manual No. 115N and AC 43.13. This propeller was found to be in an airworthy condition and is approved for return to service.


William Painter A&P 3170695 1A

THIS PAGE
TOTAL

REVIOUS TOTAL
OUGHT FORWARD

TOTAL
INCE NEW

CARRY TOTALS FORWARD to Top of Next Page

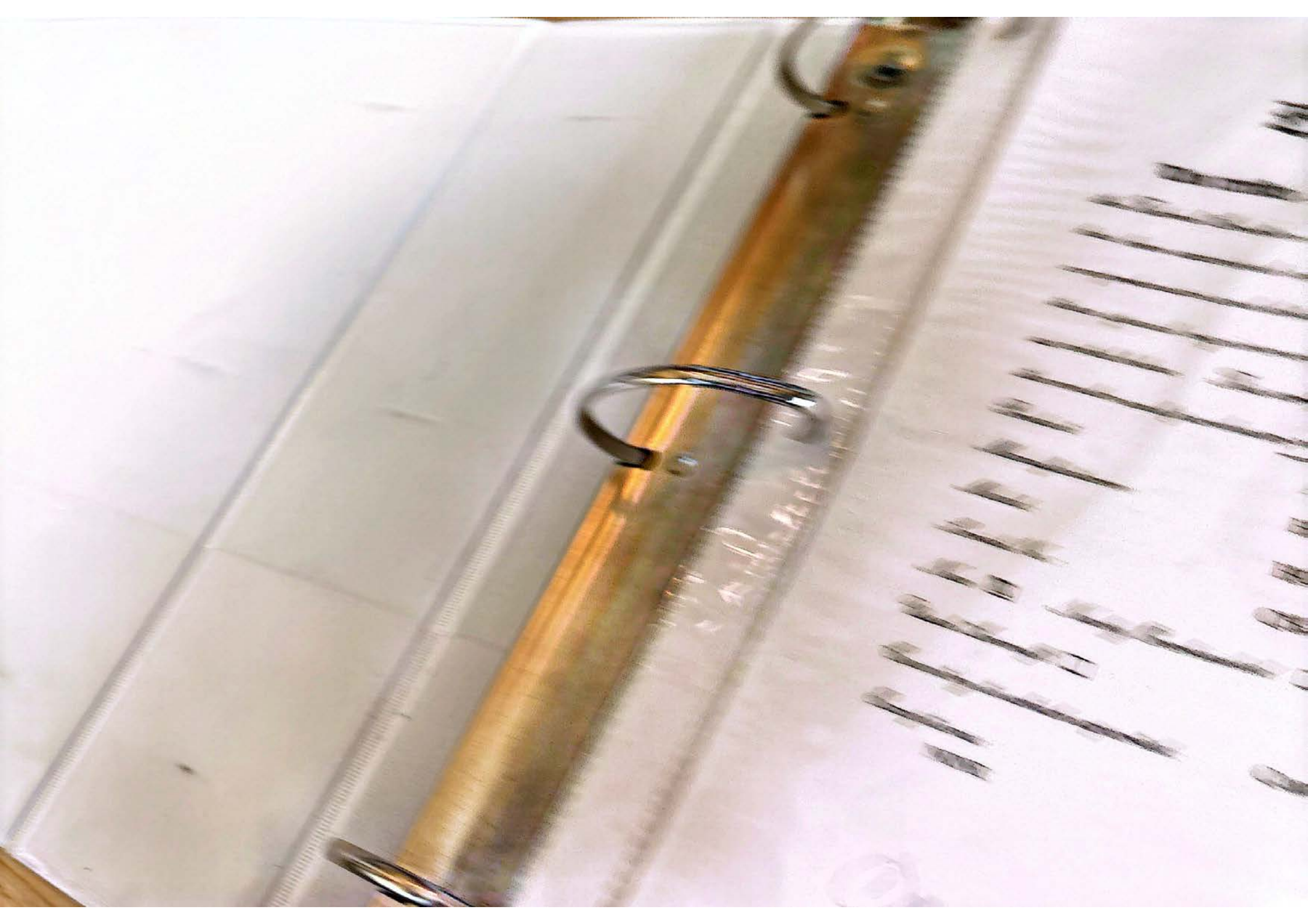
PROPELLER

HC-C2YR-1BF/

F7495S

S/N: CH37702B

Logbook



 Diamond

Hartzell Propeller – No SB's, SI's or AWD's Applicable.
Hartzell Propeller installed as per STC No. SA01850CH.
Bi-weekly AWD check carried out to current revision 2004-14.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

DIAMOND AIRCRAFT INDUSTRIES D.O.T. APPROVAL

Signature H. Nair Lic or Stamp

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

1

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

SIGNATURE

LICENCE
NUMBER

40358 AS PER STC No. SAC1850CH

[Signature]

DA
Q 13

[Signature]

DA
Q 13

Raytheon Aircraft

Cessna



Honeywell

Bombardier

Mooney

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 WPT16217, 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

N543JW

Diamond

DA40

S/N: 40.358

G1000 time: 459.8

Hobbs: 577.5

06/16/06

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

- 1 > Performed a *Propeller Annual inspection* in accordance with FAR 91.409(a) 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 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

6-16-06

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

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL		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 HUNR346E

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

- 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

- 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

MAINTENANCE RECORD

2

Bombardier

Cessna

Diamond

Honeywell

Hawker/Beech



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.

Signature

[Signature] 005

Date APR. 22, 2009

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

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.

Signature

[Signature] 005

Date JUNE 2, 2009

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

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/IA 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 2806462

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.

Joe Pensula A&P3347822IA

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

CAE MAINTENANCE ACTION LOG ENTRY

100 HR INSPECTION ENTRY

W/O# 201305371Date 1/22/14 Acft Id 5430W SMOH N/AHobbs 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.

Shane A. D. CR# B4VR47OK

MAINTENANCE RECORD

3

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

SIGNATURE

LICENCE
NUMBER

Tach time was reset to 0.0 during the
G-1000 System Software Upgrade. AFTI was
1284.0 at the time.

02/01/2014

Tach 0.0

AFTI 1284.0

wo: 2014 00563

CRS # B4VR470K

Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY WIO# 2014 02189

Date 4/19/14 Acft Id 543JW SMOH N/A

Hobbs 1932 Tach 94 TT 1381

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] CRS# B4VR470K

Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY WIO# 2014 02711

Date 5-27-14 Acft Id 543JW SMOH N/A

Hobbs 1956 Tach 192 TT 1478

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] CRS# B4VR470K

Revision Date: 4/10/2013

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY

WIO# 201403578

Date 7-1-14 Acft Id 543JW SMOH N/A

Hobbs 2080 Tach 290 PTT 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.

Don Wagner CR5# B4VR470K

Revision Date: 4/10/2013

Insp. Sign. & Cert. No.

Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY

WIO# 201405065

Date 9/6/14 Acft Id N543JW SMOH N/A

Hobbs 2,214 Tach 389 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.

M. Zapp CR5# B4VR470K

Revision Date: 4/10/2013

CAE MAINTENANCE ACTION LOG ENTRY
100 HR INSPECTION ENTRY

WIO# 201405601

Date 10/4/14 Acft Id N543JW 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.

M. Zapp CR5# B4VR470K

MAINTENANCE RECORD

4

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 WIO# 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] CRSH B4VR470K

Revision Date: 12/10/2013

CAE MAINTENANCE ACTION LOG ENTRY 100 HR INSPECTION ENTRY WIO# 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. James Colella CRSH B4VR470K

Revision Date: 12/18/2013

CAE MAINTENANCE ACTION LOG ENTRY 100 HR INSPECTION ENTRY WIO# 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 CRSH B4VR470K

Revision Date: 12/16/2014

Revision Date: 12/16/2014

CAE MAINTENANCE ACTION LOG ENTRY 100 HR INSPECTION ENTRY WIO# 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 CRSH B4VR470K

PROPELLER SERVICE AND

DATE	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD →				

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

MAINTENANCE ACTION LOG ENTRY 100 HR INSPECTION ENTRY W/O# 2725

Date 3-11-15 Acft Id 543JW Tach 986

Disc. W.O.# N/A TT 2277 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.

Insp. Sign. & Cert. No. M. J. K. HPO16488

CAE MAINTENANCE ACTION LOG ENTRY 100 HR INSPECTION ENTRY W/O# 201501587

Date 04/11/15 Acft Id N543JW Tach 1,086

Disc. W.O.# 201501588 TT 2372 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.

Insp. Sign. & Cert. No. M. J. K. CRS# B4VR47OK
Revision Date: 2/17/2015

CAE MAINTENANCE ACTION LOG ENTRY 100 HR INSPECTION ENTRY W/O# 2015 02045

Date 5-9-15 Acft Id N543JW Tach 1185-4

Disc. W.O.# 2015 02046 TT 2471.9 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.

Insp. Sign. & Cert. No. [Signature] CRS# B4VR47OK
Revision Date: 2/17/2015

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

5

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

6-8-15 5432W TACH 1284.4 TT 2570.9
SMOH 0.0 W/O 2880.

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] AP2759C27

MAINTENANCE ACTION LOG ENTRY

100 HR INSPECTION ENTRY W/O# 2996

Date 7-17-15 Acft Id 5432W Tach 1382.4

Disc. W.O.# N/A TT 2669.9 SMOH *BY 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.

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

100 Hour Inspection Entry

NIO# 2015 03944 Disc. W.O.# 2015 03945

Date: 8-26-15 Aircraft N#: 5432W AFTT: 2769

Tach: 1482 TT: 2769 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]* CRS# B4VR47OK

100 Hour Inspection Entry

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

Date: 09-29-15 Aircraft N#: 5432W AFTT: 2869.1

Tach: 1582.6 TT: 2869.1 SMOH: N/A

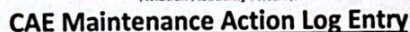
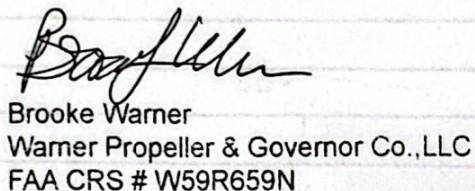
I certify that this PROPELLER has been inspected in accordance
with a 100HR inspection and was determined to be in an
airworthy condition.

Inspector Signature *[Signature]* AP3719310

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

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

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



Date 2/29/2016 Acft N# 12418911
W/O# 2016 00905
Tach 7708.3 AFTT 7708.3
TT 2968.7 SMOH 0

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

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

Signature Brenda Green CRS # B4VR470K

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

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

AC Make: 1/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

CAE Oxford
Aviation Academy Phoenix

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 2968.7 SMOH 84.0

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 Brian Lynn CRS# B4VR470K

CAE Oxford
Aviation Academy Phoenix

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 Brian Lynn CRS# B4VR470K

CAE Oxford
Aviation Academy Phoenix

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.

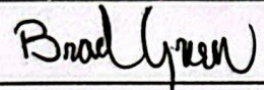
I certify that this Propeller has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition.

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

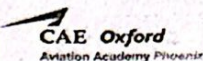
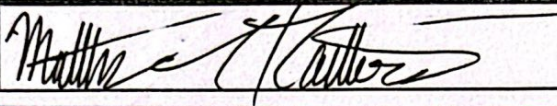
Inspector Signature Mattie Feltz CRS# B4VR470K

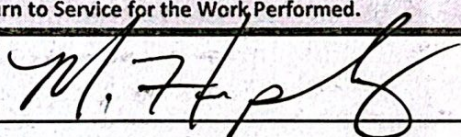
____ HOURS.

N#	4189U	Propeller – 100 Hour Inspection		KFF-M-F125 REV -
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
7/25/2016	768	Diamond	DA40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8006.3	8006.3	2016 03333	2016 03334	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4035.4	2038.5	3266	298	
Maintenance/Repairs Performed				
• 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:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
8/22/2016	40.768	Diamond	DA40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8103.6	8103.6	2016 03834	2016 03835	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4132.7	2135.8	3363.3	395.3	
Maintenance/Repairs Performed				
• 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		2016-16	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:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
9/18/2016	40.768	Diamond	DA-40	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8203.0	8203.0	2016 04248	2016 04249	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4232.1	2235.2	3462.7	494.7	
Maintenance/Repairs Performed				
Complied with the 200 hr inspection IAW CAE FORM KFF-M-F322.				
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.				
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			
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				
- 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 342G. NEXT DUE AFTT: 8399.4 - Replaced engine intake air filter PN#FR-08504 IAW DA40-180 AMM CH 71-60-00. - Removed Timed-out Slick RH Magneto PN#4370 SN#(14120776) and installed (rebuilt) 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		2016-20	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: 				

PROBATIONARY

Reg#	N4189U	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

- 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:

Brad Gunn

CRS#B4VR470K

CAE Oxford
Aviation Academy Phoenix

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	2016 05360	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4523.7	2526.8	3754.3	786.3	

Maintenance/Repairs Performed

- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression:
 - #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

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.

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

Inspector Signature:

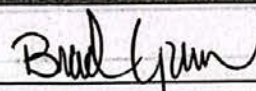
[Signature]

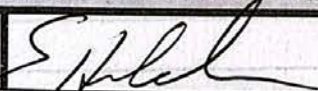
CRS#B4VR470K

CAE Oxford
Aviation Academy Phoenix

MAINTENANCE RECORD

8

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.			CRS#B4VR470K	CAE Oxford Aviation Academy Phoenix
Inspector Signature:				

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			
Installed repaired fuel tank p/n DA4-2817-10-00_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.			CRS#B4VR470K
Inspector Signature:			CAE Oxford Aviation Academy Phoenix

↑ Revised Entry Dated 1-27-17 is on page # 9.

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

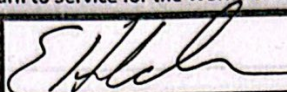
PROPELLER SERVICE AND

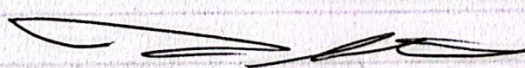
Maintenance Action Entry			KFF-M-F117 REV -
N#	Aircraft S/N:	Aircraft MFG:	Aircraft Model:
N4189U	40.768	Diamond	DA-40-180
AFTT:	TACH TIME:	WORK ORDER#:	Date:
8658.7	8658.7	2017 00402	1/27/2017
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:
4687.8	2690.9	3918.4	950.4
Maintenance/Repairs Performed			
- 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.			CRS#B4VR470K 
Inspector Signature: <i>M. Humphrey</i>			

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 operation 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 <i>2019</i> - 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.				
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.			CRS#B4VR470K 	
Inspector Signature: <i>Brian C. [unclear]</i>				

MAINTENANCE RECORD

9

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			
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.			CRS#B4VR470K
Inspector Signature:			
			CAE Oxford Aviation Academy Phoenix

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				
- 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 342G. 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 72-60-03. - Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 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 DA40-180 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.			CRS#B4VR470K	CAE Oxford Aviation Academy Phoenix
Inspector Signature:				

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

Reg#	N4189U	100 Hour Inspection		KFF-M-F115 REV - 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
3/30/2017		Diamond	Da40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8886.1	8886.1	2017 01319	2017 01318	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
4915.2	2918.3	4145.8	1177.8	

Maintenance/Repairs Performed

- Complied with the 100 hr inspection IAW CAE FORM KFF-M-F123.
- Engine Cylinders Compression: #1(68/80)Psi, #2(64/80)Psi, #3(71/80)Psi, #4(72/80)Psi
- C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. NEXT DUE AFTT: 8986.1
- Performed Bonding System and Static Discharging System Check IAW DA-40-180 AMM 51-80-00. NEXT DUE: AFTT 9886.1
- Replaced Co detector IAW packaging instructions, next due June 27/2017
- Performed Essential Bus Check IAW Diamond DA-40-180 AMM 24-60-00. NEXT DUE: AFT 9886.1
- 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: 8986.1
- Complied with fire extinguisher 30 Day visual inspection IAW DA-40-180 A.M.M. Ch. 26-00-00. Next Due: 04/29/2017.
- Cleaned Fuel Injector Nozzles IAW (L)IO-360-M1A Maint/Overhaul Manual Ch. 73-10-01.
- Removed starter P/N 149-24LS s/n F4L-371304 and installed new one p/n 149-24LS s/n F4L-201602 IAW DA40 AMM chap 80-00-00 hours on removed starter is 2099.7
- C/W Oil/Filter Change at 100 Hr Done IAW IO360M1A maint/OH Man. Ch 72-50-00 Oil sample taken/sent to ALS Global.

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

2017-06

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:

[Signature]

CRS#B4VR470K

CAE Oxford
Aviation Academy Phoenix

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

10

Reg#	4189U	100 Hour Inspection		KFF-M-F115 REV. 1
Date:	Aircraft S/N:	Aircraft MFG:	Aircraft Model:	
4/21/2017	40.768	Diamond	DA40-180	
AFTT:	TACH TIME:	INSPECTION WORK ORDER#:	DISCREPANCY WORK ORDER#:	
8984.8	8984.8	2017 01660	2017 01661	
Engine T.T.:	Engine SMOH:	Propeller T.T.:	Propeller SMOH:	
5013.9	3017.0	4244.5	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

CAE Oxford
Aviation Academy Phoenix

5-15-2017

AFTT 9042.6

PTT 4302.3

SMOH 1334.3

WO 2017 02012

This propeller was removed from N4189U
at this date in serviceable condition during an
Engine change.

CRS#B4VR470K

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

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



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
				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.

141 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 Lyman

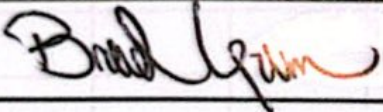
CRS#B4VR470K

CAE Oxford
Aviation Academy Private

Not Used

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

PROPELLER SERVICE AND

Reg#	4191M	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#:	
8961.2	8961.2	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	

MAINTENANCE RECORD

12

WO#: 2017 04998

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

Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 8960.1

CAE Oxford
Aviation Academy Phoenix

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

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

Description of Work to be Performed	
1) AD 2015-19-07 - Fuel Injection Lines Inspection	
2) Broken bonding straps, center fuselage at aileron bell crank.	
3) ELT Annual Inspection	
4) Engine Intake Air Filter Replacement	
5) Fire Extinguisher 100 Hour Inspection	
6) Fire Extinguisher 30 Day Visual Inspection	
7) Fire Extinguisher Annual Inspection	
8) Flood light plug receptacle broken	
9) Idle was high on post run (800 RPM). Needs adjustment	
10) L/W flap torsion boot torn	
11) Oil Change at 100 Hr (With Oil Sample, Non-Seg.)	
12) Oil drain plug leaks at operating temps. found on post run. Needs replaced.	
13) Pilot side carpet loose	
14) R/W aileron bell crank has a broken bonding strap.	
15) R/W flap bell crank bonding strap is broken.	
16) R/W flap torsion tube boot torn.	
17) R/W top cam-loc fall out.	
18) Trim needs adjusted, right.	

Maintenance/Repairs Performed	
1) NO 2015-19-07 - Fuel Injection Lines Inspection	
POWERPLANT:	
C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Upcoming NBS 3430. NEXT DUE APTT: 9060.1	
2) Broken bonding straps, center fuselage at aileron bell crank.	
AIRFRAME:	
Replaced connector on bonding strap on aileron bellcrank IAW AC43.13-18, ch.11	
3) 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 Manual Annex ELT ME-405, Rev. AA. Battery Expiration Date for ELT Transmitter is: FEB/2024. Replaced switch battery if applicable. expires: 3/2024. Next ELT Annual Inspection due: 11/2018. ELT Registration if applicable: N/A-7-2019.	
4) Engine Intake Air Filter Replacement	
AIRFRAME:	
Replaced engine intake air filter P/N 8487-005, IAW DA40-180 AMM Ch 71-60-00.	
5) Fire Extinguisher 100 Hour Inspection	
AIRFRAME:	
Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 24-00-00. Fire Extinguisher Weight: 1030grams. Next Due APTT: 9060.1	

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2017 04998

WO#: 2017 04998

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

Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 8960.1

CAE Oxford
Aviation Academy Phoenix

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

6) Fire Extinguisher 30 Day Visual Inspection	
AIRFRAME:	
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 24-00-00. Next Due: 12/13/2017	
7) Fire Extinguisher Annual Inspection	
AIRFRAME:	
Complied with fire extinguisher annual inspection IAW Diamond DA-40-180 A.M.M. 24-00-00. Fire Extinguisher Weight: 1030grams. Fire Extinguisher Manufacture Date: 2017. 4 Year Inspection Due: 12/31/2023. Next Annual Due: 11/2019	
8) Flood light plug receptacle broken	
AIRFRAME:	
Replaced broken plug P/N 1-180319 with new P/N 1-180319. Reference AC 43.13-18 ch.11. Ops check good.	
9) Idle was high on post run (800 RPM). Needs adjustment	
AIRFRAME:	
Adjusted idle speed IAW DA40-180 AMM ch.71-00-00.	
10) L/W flap torsion boot torn	
AIRFRAME:	
Installed new torsion tube boot on left side as needed. (P/N: V6-714)	
11) Oil Change at 100 Hr (With Oil Sample, Non-Seg.)	
POWERPLANT:	
C/W Oil And Filter Change at 100 Hr. Done IAW (LJ10-340-MIA Maint/ O/W Manual Ch 72-50-00. Oil sample taken and sent to ALE Global.	
12) Oil drain plug leaks at operating temps. found on post run. Needs replaced.	
AIRFRAME:	
Installed new oil drain P/N P5000 IAW with P5000 package installation instructions.	
13) Pilot side carpet loose.	
AIRFRAME:	
Re-glued pilot side carpet as needed.	
14) R/W aileron bell crank has a broken bonding strap.	
AIRFRAME:	
Replaced R/W aileron bell crank bonding strap with new p/n 1230-100ft and new connectors. reference AC43.13-18 ch. 11.	
15) R/W flap bell crank bonding strap is broken.	
AIRFRAME:	
Replaced R/W flap bell crank bonding strap with new p/n 1230-100ft and new connectors. Reference AC43.13-18 ch. 11.	
16) R/W flap torsion tube boot torn.	
AIRFRAME:	
Installed new torsion tube boot R/W side, as needed. P/N V6-714.	

Document Revision Date: 09 Apr 2010

Page 2 of 3 for Work Order 2017 04998

WO#: 2017 04998

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

Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 8960.1

CAE Oxford
Aviation Academy Phoenix

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

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

17) R/W top cam-loc fall out.	
AIRFRAME:	
Reinstalled cam-loc in top cowl aft top R/W position.	
18) Trim needs adjusted, right.	
AIRFRAME:	
Adjusted elevator trim block to operate within limits, IAW DA40 AMM ch. 27-18-00.	

Labor	
Sawyer, S. 1.5 001.2 van Dyke, L. 1.8 001.4 Kane, G. 0.5 000.3 Cize, C. 0.6 000.33	
12.3 12:18	

Parts Used	
Qty	Part# Description Serial# Cost Sub Total
1	FR-08504 Air Filter DA40/42 102.07 102.07
1	CH48110 OIL FILTER 13.20 13.20
7	P5000-55 OIL 20W50 DRUM SYNTHETIC 2.77 24.39
1	AC41151 OIL SAMPLE KIT 8.50 8.50
1	1-180319 2 Position Molex Connector (Male) 1.36 1.36
1	1230-100FT STRAIGHT WIRE 3/16 COPPER TINNED 0.82 0.82
1	V6-714 EXPANSION BELLOWS/BOOT (DA40 Flap Torsion Tube Boot) 90.66 90.66
1	P5000 OIL Valve Quick Drain DA40/42 76.80 76.80
1	V6-714 EXPANSION BELLOWS/BOOT (DA40 Flap Torsion Tube Boot) 90.66 90.66

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. filed under this Work Order.	
Date: 11/13/17	Signed: [Signature]
5030 East Van Hook Mesa AZ 85215 Form: KFF-M-F107, Rev. 10-1-17 FAA-CRS B4VR470K	
Work Order Totals	
Labor	1,230.00
Parts	410.46
TOTAL:	1,640.46

Document Revision Date: 09 Apr 2010

Page 3 of 3 for Work Order 2017 04998

WO#: 2017 05317

Date Started: 03 DEC 2017

Date Completed: 04 DEC 2017

Reg#: 4191M
AC S/N: 40 769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9018.3

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 9018.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5176.9
LT Prop T.T.: 4650.0

Description of Work to be Performed

- 1) Bonding and Static Discharging Systems Check (1000 Hour)
- 2) Essential Bus Check (1000 Hour)
- 3) Fire Extinguisher 30 Day Visual Inspection
- 4) Front crank seal appears to be leaking.
- 5) L/R M/G tire flat spotted.
- 6) L/R tire flat spotted
- 7) L/R wing refill tank nutplate (horseshoe) damaged
- 8) Preliminary inspection, list of discrepancy found listed below
- 9) Propeller governor leaking
- 10) R/R brake caliper leaking

Maintenance/Repairs Performed

- 1) Bonding and Static Discharging Systems Check (1000 Hour)
AIRFRAME:
Performed Bonding System and Static Discharging System Check IAW Diamond DA-40-180 AMM 51-40-00.
NEXT DUE: 10018.3 APT
- 2) Essential Bus Check (1000 Hour)
AIRFRAME:
Performed Essential Bus Check IAW Diamond DA-40-180 AMM 24-60-00. NEXT DUE: 10018.3 APT
- 3) Fire Extinguisher 30 Day Visual Inspection
AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 24-00-00.
Next Due: 1/3/18
- 4) Front crank seal appears to be leaking.
AIRFRAME:
Upon further cleaning and evaluation oil is running down bottom seal of engine from bottom of propeller governor gasket no further action required.
- 5) L/R M/G tire flat spotted.
AIRFRAME:
Replac L/R M/G tire P/N: 072-314-0 S/HG21500011, and tube P/N: 092-500-0 with new IAW Cleveland Maint. manual section 300.
- 6) L/R tire flat spotted
AIRFRAME:
Found to be serviceable at this time.
- 7) L/R wing refill tank nutplate (horseshoe) damaged.
AIRFRAME:
Removed hardware and inspected "horseshoe". Reassemble. No defects noted.
- 8) Preliminary inspection, list of discrepancy found listed below
AIRFRAME:
C/N preliminary inspection, list of discrepancy found listed below

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2017 05317

WO#: 2017 05317

Date Started: 03 DEC 2017

Date Completed: 04 DEC 2017

Reg#: 4191M
AC S/N: 40 769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9018.3

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 9018.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5176.9
LT Prop T.T.: 4650.0

- 9) Propeller governor leaking
AIRFRAME:
Tightened mounting nuts to specs IAW DA-40-180 AMM Ch 61-20-00

- 10) R/R brake caliper leaking
AIRFRAME:
Replaced R/R brake caliper with new O-ring P/N MS28775-224 IAW Cleveland MM section 200 bleed brakes IAW DA40-180 AMM Ch. 32-40-00. Ops check good.

Labor

Sawyer, S.	5.5	005:30	Kircher, A.	5.2	005:09	Jones, D.	3.1	003:03	Cake, D.	1.4	003:22
17.1 17:02											

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	072-314-0	TIRE 6.00 X 6 PLY MICHELIN DA40		76.22	76.22
1	092-500-0	AND TR MAIN TIRE			
1	MS28775-224	TUBE INNER, 600x6		52.49	52.49
		O-RING		1.00	1.00

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: 12/4/2017 Signed: [Signature]
5030 East Falcon Dr Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS-B4VR470K

Work Order Totals

Labor	1,703.33
Parts	129.71
TOTAL:	1,833.04

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2017 05317

MAINTENANCE RECORD

14

REPAIRS, ADJUSTMENTS, MODIFICATIONS
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: 40.769
MFG: DIAMOND
Model: DA-40
A/C 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) EVENT #2 IAW CAS Progressive INSPECTION
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT #2 IAW CAS Progressive INSPECTION

AIRFRAME:
I certify that in accordance with CAS Progressive Inspection Program INSPECTION EVENT # 2, a
thorough inspection of airframe and a detailed inspection of engine/propeller were performed and are
approved for return to service.
C/W AD 2015-14 07 Fuel Injector Lines Inspection IAW Tyroving NHB 3430. NEXT DUE APTT: 9174.0
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2017-14 for this
aircraft.

POWERPLANT:

Engine Cylinders Compression: 01- (76/60)Psi, 02- (74/60)Psi, 03- (64/60)Psi, 04- (74/60)Psi

- 2) Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 24-00-00.
Next Due: 1/29/18

Labor

Supervisor: J. J. 001-10000, C. 1.5 001-20000, J. 2.5 002-10000
2 7.5 7:30

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
7	PRDCA3-55	OIL 20W50 GRAIN SYNTHETIC		1.77	24.39
1	CH4110	OIL FILTER		11.20	11.20
1	AG41153	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. Permanent details of the repair/inspection are on file at CAE Oxford
Aviation Academy, Phoenix Inc. filed under this 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

Labor: 755.00
Parts: 48.09
TOTAL: 803.09

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2017 05685

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.
OR LIFE

WOF: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9074.0CAE Oxford
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

Description of Work to be Performed

- 1) #2 and #4 intake cylinder baffles chip removed for P/M.
- 2) #2 cylinder replaced due to low compression, compression check showed #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 valve 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, (14).
- 9) Engine to create ground cable chaffing on oil dipstick tube.
- 10) Exhaust removed for P/M.
- 11) Exhaust rocker arm on #182 is worn.
- 12) 1200 rpm is low, (658).
- 13) Mixture valve bracket to engine disconnected for P/M.
- 14) Mixture spring bracket excessively grooved.
- 15) Oil cooler missing from.
- 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) Prospect leak at crankcase knee seal.

Maintenance Repairs Performed

- 1) #2 and #4 intake cylinder baffles chip removed for P/M.
- 2) #2 cylinder replaced due to low compression, compression check showed #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 valve 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, (14).
- 9) Engine to create ground cable chaffing on oil dipstick tube.
- 10) Exhaust removed for P/M.
- 11) Exhaust rocker arm on #182 is worn.
- 12) 1200 rpm is low, (658).
- 13) Mixture valve bracket to engine disconnected for P/M.
- 14) Mixture spring bracket excessively grooved.
- 15) Oil cooler missing from.
- 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) Prospect leak at crankcase knee seal.

Document Revision Date: 09 Apr 2010

Page 1 of 4 for Work Order 2017 05687

WOF: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9074.0CAE Oxford
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

- 1) #2 and #4 intake cylinder baffles chip removed for P/M.
- 2) #2 cylinder replaced due to low compression, compression check showed #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 valve 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, (14).
- 9) Engine to create ground cable chaffing on oil dipstick tube.
- 10) Exhaust removed for P/M.
- 11) Exhaust rocker arm on #182 is worn.
- 12) 1200 rpm is low, (658).
- 13) Mixture valve bracket to engine disconnected for P/M.
- 14) Mixture spring bracket excessively grooved.
- 15) Oil cooler missing from.
- 16) preliminary inspection.
- 17) Prop governor cable needs to be connected.

Document Revision Date: 09 Apr 2010

Page 2 of 4 for Work Order 2017 05687

WOF: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9074.0CAE Oxford
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

- 1) Prop removed to P/M.
- 2) Reinstalled prop gov per DA40-180 AMM 61-20-00.
- 3) Removed #2 baffle for P/M.
- 4) Replaced #2 baffle IAW Diamond DA40-180 AMM 75-00-00.
- 5) Removed prop gov. for P/M.
- 6) Re-installed prop gov IAW Diamond DA40-180 AMM 61-20-00.
- 7) Rocker cover #4 leaking at gasket.
- 8) Removed leaky gasket from #4 cyl. rocker cover and installed new gasket, (p/n 75906) IAW Lycoming 10-140-MIA maint. O/N manual 75-00-00.
- 9) Prospect leak at crankcase knee seal.
- 10) Installed new crash seal P/N LM13782 per Lycoming Mo. 13240.

Labor

Accia, G.	1.5	001:10	Gr. C	3.6	003:11	Comptroller, D. B.	000:14	Brummer, J.	3.3	003:15	
Mc Dyne, L.	6.4	004:11									

15.1 15:01

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	547-3/8	SPIRAL WRAP 3/8		3.85	3.85
1	1220-25	OIL COOLER PGM TAPE 1-4 x 2		2.76	2.76
1	17P1357	ROCKER ARM, DA-40		202.24	202.24
1	M024775-228	O-2103 PROPELLER		0.94	0.94
1	C-350-750	SCAL FIN, PROPELLER		1.17	1.17
1/2	NAS1291-8	NUT, PROP ADAPTER, DA-20		6.58	6.58
1/2	NAS1291-8	NUT, PROP ADAPTER, DA-20		6.58	6.58
1	D41-7166-10-80	ROD, Baffle, Retaining		26.69	26.69
1	05A-1104	CYLINDER ASSY CYLINDER KIT		1,238.12	1,238.12
1	DA1-7326-30-01_1	10-140-MIA / IAW		14.30	14.30
1	75906	Valve/Rocker Cover Gasket		1.90	1.90
1	ARM188	SPARK PLUG		71.48	142.96
1	LM13782	SEAL CRANKSHAFT, OIL		13.56	13.56
1	M09144-01	GOVERNOR PROPELLER GASKET		16.04	16.04

EVIC-21 SUMMARY

nt Revision Date: 09 Apr 2010

Page 3 of 4 for Work Order 2017 05687

TOTAL
SINCE MFG.

WOF: 2017 05687

Date Started: 28 DEC 2017
Date Completed: 30 DEC 2017Reg#: 4191M
AC SN: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9074.0CAE Oxford
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 9074.0
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 5232.6
LT Prop T.T.: 4705.7

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 the Work Order.

Date: 12-30-2017 Signed: [Signature]

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

Work Order Totals

Labor 1,501.67
Parts 1,677.69
TOTAL: 3,179.36

Document Revision Date: 09 Apr 2010

Page 4 of 4 for Work Order 2017 05687

WO#: 2018 00371

Date Started: 26 JAN 2018
Date Completed: 27 JAN 2018Reg#: 4191M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9139.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/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 83 IAW CAE Progressive Insp
-
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 83 IAW CAE Progressive Insp
-
- AIRFRAME:

I certify that in accordance with CAE 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 2015-19-07 fuel injector lines inspection IAW Tycoming M88 3420. NEXT DUE APTT: 9219.8

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-03 for this aircraft.

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with Fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.W.M. Ch. 26-00-00. Next Due: 02/26/2018

Labor

Rowland, J.	1.4	001:14	Sheffield, M.	7.8	007:18	Stromer, J.	6.7	006:10	C.	0.4	000:20
Van Dyke, L.	0.5	000:24									
											14.2 14:12

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
7	550041184	OIL DRAIN 15W50 DISPENSE BY QUANT		5.39	37.03
1	0461110	OIL FILTER		13.20	13.20
4	AP066-14100	BRACE LINES, DA-40		13.57	54.28
1	NO31151	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. Filed under this Work Order.

Date: 1/27/2018 Signed: [Signature]
5030 East Falcon Dr. 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

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 00371

WO#: 2018 00372

Date Started: 26 JAN 2018
Date Completed: 27 JAN 2018Reg#: 4191M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9139.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/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) L/W brake linings are worn.
-
- 2) LH aileron bellcrank to rod end bonding strap broken
-
- 3) Preliminary inspection.
-
- 4) R/W brake linings are worn.

Maintenance/Repairs Performed

- 1) L/W brake linings are worn.
-
- AIRFRAME:

Installed new linings P/W AD044-14100 IAW Cleveland Maint Manual sec: 200.

- 2) LH aileron bellcrank to rod end bonding strap broken

Replaced LH aileron bellcrank to rod end bonding strap with new IAW DA40-180 AMM ch. 51-80-00.

- 3) Preliminary inspection.

Performed preliminary inspection. No defects noted.

- 4) R/W brake linings are worn.

Installed new linings P/W AD044-14100 IAW Cleveland Maint Manual sec: 200.

Labor

Sheffield, M.	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. Filed under this Work Order.

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

Work Order Totals

Labor	166.67
Parts	
TOTAL:	166.67

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 00372

WO#: 2018 00662

Date Started: 12 FEB 2018
Date Completed: 12 FEB 2018Reg#: 4191M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9191.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/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 84 IAW CAE Progressive Insp
-
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 84 IAW CAE Progressive Insp
-
- AIRFRAME:

I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT 84, a routine inspection of engine/propeller and airframe and a detailed inspection of wing/engines were performed and are approved for return to service.

C/W AD 2015-19-07 fuel injector lines inspection IAW Tycoming M88 3420. NEXT DUE APTT: 9291.4

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-03 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: 81- (72/80)Psi, 82- (75/80)Psi, 83- (62/80)Psi, 84- (68/80)Psi

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with Fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.W.M. Ch. 26-00-00. Next Due: 03/14/2018

Labor

Griffin, M.	3.2	002:11	Kirchner, A.	3.2	002:00
-------------	-----	--------	--------------	-----	--------

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	0461110	OIL FILTER		13.20	13.20
1	AO61151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRAIN 15W50 DISPENSE BY QUANT		5.39	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: 2/12/18 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	433.33
Parts	58.73
TOTAL:	492.06

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 00662

WO#: 2018 00663

Date Started: 12 FEB 2018
Date Completed: 12 FEB 2018Reg#: 4191M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9191.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/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) 83 rocker gasket leaking
-
- 2) Preliminary inspection

Maintenance/Repairs Performed

- 1) 83 rocker gasket leaking
-
- AIRFRAME:

Removed worn gasket and installed new one p/n 75906 IAW Tycoming O/W manual sect 4.

- 2) Preliminary inspection

C/W prelin inspection. No defects found.

Labor

Griffin, M.	1.0	001:00									1.0 1:00
-------------	-----	--------	--	--	--	--	--	--	--	--	----------

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	75906	Valve/Rocker Cover Gasket		1.90	1.90

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: 2/12/18 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor	100.00
Parts	1.90
TOTAL:	101.90

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 00663

WOF: 2018 01092

Date Started: 09 MAR 2018
Date Completed: 10 MAR 2018Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9249.7**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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 81 IAW CAS Progressive INSPECTION
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 81 IAW CAS Progressive INSPECTION

I certify that in accordance with CAS 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 2015-19-07 Fuel Injector Lines Inspection IAW Lycoming MSB 3430. NEXT DUE APTT: 5408.5

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-03 For this aircraft.

POWERPLANT:
Engine cylinders compression: 81- (74/60)Psi, 82- (72/60)Psi, 83- (74/60)Psi, 84- (74/60)Psi

2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A.N.H. Ch. 26-00-00. Next Due: 04/05/2018

Labor

Summary: 7.1 7.03

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		22.99	22.99
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15W50 DISPOSE 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: 3-10-2018

Signed: [Signature]

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

Work Order Totals

Labor 715.00
Parts 69.52
TOTAL: 784.52

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 01092

WOF: 2018 01093

Date Started: 09 MAR 2018
Date Completed: 10 MAR 2018Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9249.7**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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) Piece 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 NAC 11-18 sec. 11-14

2) Piece of muffler baffle has become dislodged, needs new muffler.
POWERPLANT:
Installed a new muffler p/n DA40-7 s/n 004928-0002 IAW the DA40 AWM 70-10-00.

3) Pilot side LH master cylinder is leaking.
REPAIRS:
Removed leaky pilot's LH master cylinder and installed a new master cylinder, (p/n 10-94A) IAW DA40-100 AWM 32-40-00. Bleed LH brakes IAW DA40-100 AWM 32-40-00.

4) Preliminary inspection.
C/W preliminary inspection, no defects noted.

Labor

Summary: 11.5 11.26

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	806-1A	BOLT		9.61	1.92
1	10-94A	MASTER BRAKE CYLINDER		342.04	342.04
8	228-005	CLAMP ASST DISMANT ONLY		73.48	589.20
1	DA40-7	MUFFLER	004928-0002	2,093.24	2,093.24

Parts Removed

Part #	Description	Serial #
DA40-7	MUFFLER	13P04-0003

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 01093

WOF: 2018 01053

Date Started: 09 MAR 2018
Date Completed: 10 MAR 2018Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9249.7**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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. Permanent 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]

5030 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

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 01093

WOF: 2018 01546

Date Started: 04 APR 2018
Date Completed: 05 APR 2018Reg#: 4191M
AC S/N: 40769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9304.5**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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) EVENT 82 IAW CAS Progressive INSPECTION
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT 82 IAW CAS Progressive INSPECTION
REPAIRS:
I certify that in accordance with CAS Progressive Inspection Program INSPECTION EVENT 8.2, 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 3430. NEXT DUE APTT: 5406.5

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-07 For this aircraft.

POWERPLANT:
Engine Cylinders Compression: 81- (74/60)Psi, 82- (72/60)Psi, 83- (74/60)Psi, 84- (74/60)Psi

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A.N.H. Ch. 26-00-00. Next Due: 05/05/2018

Labor

Summary: 7.4 7.23

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		22.99	22.99
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15W50 DISPOSE 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: 4/5/18

Signed: [Signature]

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

Work Order Totals

Labor 738.33
Parts 68.52
TOTAL: 806.85

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 01546

WO#: 2018 01547

Date Started: 04 APR 2018
Date Completed: 05 APR 2018Reg#: 4191M
AC S/N: 40.700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9304.5**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/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) #1 rocker cover gasket is leaking
- 2) 480 Hour Inspection IAW CAE Progressive Insp
- 3) Alternator belt tension is low
- 4) PWD lower alternator belt is spinning
- 5) LH magneto replacement
- 6) Oil cooler is missing foam
- 7) preliminary inspection
- 8) RH magneto replacement

Maintenance/Repairs Performed

- 1) #1 rocker cover gasket is leaking
AIRFRAME:
Replaced #1 rocker cover gasket with new P/N 75906 IAW Lycoming IO-360-MIA O/H Manual Ch 73-60-05.
- 2) 480 Hour Inspection IAW CAE Progressive Insp
AIRFRAME:
C/W DA-40-100 PROGRESSIVE INSPECTION CHECKLIST EVENT 480 FORM KFF-T-7374PM
- 3) Alternator belt tension is low
AIRFRAME:
ADJUSTED ALTERNATOR BELT TENSION IAW DA-40-100 ANN 24-30-00
- 4) PWD lower alternator belt is spinning
AIRFRAME:
TIGHTENED PWD LOWER ALTERNATOR MOUNTING BOLT IAW DA-40-100 ANN 24-30-00
- 5) LH magneto replacement
AIRFRAME:
Removed LH magneto P/N 4347 S/N 08100393 and installed repaired LH magneto P/N 4347 S/N 14021437 IAW Lycoming IO-360 Maint o/h manual Ch. 73-60-03
- 6) Oil cooler is missing foam
AIRFRAME:
REPLACED MISSING OIL COOLER FOAM AS REQUIRED
- 7) preliminary inspection
AIRFRAME:
C/W preliminary inspection, no further defects noted.
- 8) RH magneto replacement
AIRFRAME:
Removed RH magneto P/N 4370 S/N 08100653 and installed repaired RH magneto P/N 4370 S/N 13050803 IAW Lycoming IO-360 Maint o/h manual Ch. 73-60-03

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 01547

WO#: 2018 01547

Date Started: 04 APR 2018
Date Completed: 05 APR 2018Reg#: 4191M
AC S/N: 40.700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9304.5**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/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

Task #	1.3	001.13	Component	3.0	001.19
				4.2	4.13

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	LW13461	GASKET, MAGNETO, LYCOMING		1.33	2.66
1	AL8101348	SHOWN SET ASST		10.34	10.34
1	PR-55554	ALT FLICAR DRAG/42		102.00	102.00
1	75906	Valve/Rocker Cover Gasket		2.05	2.05
1	4347	MAGNETO DA 40/42 SLICE	14021437	500.00	500.00
1	4370	MAGNETO RIGHT SLICE	13050803	450.00	450.00

Parts Removed

Part #	Description	Serial #
4347	MAGNETO DA 40/42 SLICE	08100393
4370	MAGNETO RIGHT SLICE	13050803

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: 4/5/18 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor 420.00
Parts 1,075.05
TOTAL: 1,495.05

WO#: 2018 02040

Date Started: 01 MAY 2018
Date Completed: 02 MAY 2018Reg#: 4191M
AC S/N: 40.700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9361.3**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/C Total Time: 9361.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5519.0
LT Prop T.T.: 4993.0

Description of Work to be Performed

- 1) EVENT #3 IAW CAE Progressive Insp
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT #3 IAW CAE Progressive Insp
AIRFRAME:
I certify that in accordance with CAE 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 MSB 3420. NEXT DUE AFPT: 9461.3
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly 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. 26-00-00. Next Due: 06/01/2018

Labor

Thompson, J.	1.2	001.08	Rosa, D.	0.1	000.01	Garcia, G.	0.5	000.30	Meitzger, P.	5.1	005.01
Kircher, A.	2.3	002.17									

9.0 8:59

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.18	15.18
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550041194	OIL DRUM 15W50 DISPENSE BY QUANT		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: 5-2-18 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS B4VR470K

Work Order Totals

Labor 898.33
Parts 60.71
TOTAL: 959.04

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 02040

WO#: 2018 02041

Date Started: 01 MAY 2018
Date Completed: 02 MAY 2018Reg#: 4191M
AC S/N: 40.700
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 9361.3**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS B4VR470KA/C Total Time: 9361.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5519.0
LT Prop T.T.: 4993.0

Description of Work to be Performed

- 1) #2 intake gasket leaking.
- 2) #3 rocker cover gasket leaking.
- 3) Broken bonding strap on R/H aileron bellcrank.
- 4) L/R MLO block is cracked.
- 5) Preliminary inspection

Maintenance/Repairs Performed

- 1) #2 intake gasket leaking.
POWERPLANT:
Replaced #2 intake gasket with new P/N 71973 IAW Lycoming OMN sec. 6.
- 2) #3 rocker cover gasket leaking.
POWERPLANT:
Replaced #3 rocker cover gasket with new P/N 75906 IAW Lycoming OMN sec. 6.
- 3) Broken bonding strap on R/H aileron bellcrank.
AIRFRAME:
Replaced bellcrank and terminal P/N: AP320-543 on R/H aileron IAW DA40-180 ANN ch 57-80.
- 4) L/R MLO block is cracked.
AIRFRAME:
Replaced the MLO mounting block w/new P/N. D41-3213-01-52_1 IAW Diamond DA40 ANN 32-10-00.
- 5) Preliminary inspection
AIRFRAME:
C/W preliminary inspection. No defects noted.

Labor

Schmidt, J.	3.5	003.30	Kircher, A.	0.4	000.22	Garcia, G.	6.4	006.21
-------------	-----	--------	-------------	-----	--------	------------	-----	--------

10.3 10:13

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	75906	Valve/Rocker Cover Gasket		2.05	2.05
1	D41-3213-01-52_1	MLO Bracket		88.56	88.56
1	71973	INTAKE GASKET		0.98	0.98

SUB-TOTALS this page

TOTALS-Carry forward to next page

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 02041

Reg#: 4101M
AC S/N: 40 769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 0427.1

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0427.1
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

- 1) 82 CHT probe needs replacement.
- 2) All engine SCAT hoses need replacement.
- 3) All spark plugs need installed.
- 4) Alternate air valve removed to POW.
- 5) Alternator requires replacement.
- 6) Battery disconnected/ battery box removed.
- 7) Cylinder baffles #1, #3 and #4 have holes blown out.
- 8) Engine breather hose is deteriorated.
- 9) Engine cradle requires inspection and paint touch up.
- 10) Engine needs timed- R/W mag is loose.
- 11) Engine Replacement DA40
- 12) Exhaust removed for POW.
- 13) Fuel hoses firewall FWD require replacement.
- 14) Fuel servo requires replacement.
- 15) L & R baffle tension rods needs replacement.
- 16) Left magneto requires replacement.
- 17) Need to add oil to the engine.
- 18) Oil cooler requires replacement.
- 19) Oil hoses firewall FWD require replacement.
- 20) Preliminary Inspection.
- 21) Propeller gov. requires replacement.
- 22) Propeller Replacement DA40
- 23) Right hand magneto requires replacement.

Maintenance/Repairs Performed

- 1) 82 CHT probe needs replacement.
POWERPLANT:
Installed a new CHT probe p/n A60280-WIP IAW DA-40 series AMM chapt. 1 71-00-00.
- 2) All engine SCAT hoses need replacement.
POWERPLANT:
Replaced SCAT hoses as needed IAW DA40-180 AMM ch 71-42-00.
- 3) All spark plugs need installed.
POWERPLANT:
Installed 8 new Champion REM188 spark plugs IAW DA40-180 AMM 74-00-00.
- 4) Alternate air valve removed to POW.
POWERPLANT:
Installed alternate air valve IAW DA40 series AMM sec: 71-60-00.
- 5) Alternator requires replacement.
POWERPLANT:
Alternator removed P/N ALU-8521R S/N N-5030122 and installed a new alternator P/N ALU-8521R S/N

Reg#: 4101M
AC S/N: 40 769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 0427.1

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 0.0
LT Prop. T.T.: 5721.2

- POWERPLANT:
6-2041778 IAW CHM DA40 AMM 71-00-00.
- 4) Battery disconnected/ Battery box covered.
AIRFRAME:
Reinstalled battery box and battery IAW CHM DA40 AMM 74-00-00.
- 7) Cylinder baffles #1, #3 and #4 have holes blown out.
POWERPLANT:
Replaced #1, #3 and #4 baffle IAW Diamond DA 40-180 AMM ch 71-20-00.
- 8) Engine breather hose is deteriorated.
POWERPLANT:
Installed a new length of breather hose P/N 193-19 as needed.
- 9) Engine cradle requires inspection and paint touch up.
POWERPLANT:
Applied touch up paint on engine cradle as needed IAW Diamond DA40-180 AMM ch. 51-20-00.
- 10) Engine needs timed- R/W mag is loose.
POWERPLANT:
Timed R/W mag IAW Lycoming IO-360-MIA O/M Manual sec: 4.
- 11) Engine Replacement DA40
POWERPLANT:
Removed timed out engine p/n IO-360-MIA, s/n L-23403-SIE with TT 5585 hrs. TSO 2895 hrs and installed rebuilt engine p/n IO-360-MIA, s/n RL-10448-SIE with TT 0 hrs. TSO NA IAW DA40 AMM 71-00-00.
- 12) Exhaust removed for POW.
POWERPLANT:
Installed exhaust IAW chapt. 71-00-00 DA-40 AMM.
- 13) Fuel hoses firewall FWD require replacement.
POWERPLANT:
Replaced all fuel hoses firewall fwd as required.
- 14) Fuel servo requires replacement.
POWERPLANT:
Removed fuel servo P/N AV2574548-1 S/N AV17146393 and installed a overhauled fuel servo P/N AV2574548-1 S/N AV247331093 IAW the DA40 AMM 73-00-00.
- 15) L & R baffle tension rods needs replacement.
POWERPLANT:
Installed new L & R baffle tension rods IAW the DA40 AMM 75-00-00.
- 16) Left magneto requires replacement.
POWERPLANT:

Reg#: 4101M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 0427.1

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 0.0
LT Prop. T.T.: 5721.2

- POWERPLANT:
This magneto P/N 4347 S/N 14021437 was removed with the timed out engine and a new magneto P/N 4347 S/N 17070555 came installed on the rebuilt engine.
- 17) Need to add oil to the engine.
POWERPLANT:
Added 8 qts Aeroshell W100 mineral oil as needed.
- 18) Oil cooler requires replacement.
POWERPLANT:
Removed oil cooler p/n 10578T, s/n 1674, installed oil cooler p/n 10578T, s/n 739. Work done IAW DA-40 series AMM chapt. 71-00-00.
- 19) Oil hoses firewall FWD require replacement.
POWERPLANT:
Installed new oil hoses IAW DA-40 series AMM chapt: 71-00-00.
- 20) Preliminary Inspection.
AIRFRAME:
C/W preliminary inspection, no defects noted.
- 21) Propeller gov. requires replacement.
PROPELLER:
Removed prop gov P/N P-840-23 S/N 080074-F and installed a overhauled gov. P/N P-840-23 S/N 070217-N IAW the DA40 AMM 61-00-00.
- 22) Propeller Replacement DA40
PROPELLER:
Removed timed out propeller p/n HC-CYR-18P, s/n CH37702B with TT 5058 hrs. TSO 2090 hrs and installed overhauled propeller p/n HC-CYR-18P, s/n CH37702B with TT 5721.2 hrs. TSO 0.0 hrs IAW DA40 AMM 61-00-00.
- 23) Right hand magneto requires replacement.
POWERPLANT:
This magneto P/N 4370 S/N 13050803 was removed with the timed out engine and a new magneto P/N 4370 S/N 17080967 came installed on the rebuilt engine.

Labor

Van Dyke, L.	3.7	002:37	Garcia, G.	4.9	004:53	Sheffield, N.	25.4	025:24	Hilliard, S.	7.0	006:58
Rowland, J.	22.2	022:09									

62.1 62:01

Parts Used

MAXIMUM HOURS BETWEEN OVERHAULS
OR LIFE

Reg#: 4101M
AC S/N: 40.769
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 0427.1

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0427.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 0.0
LT Prop. T.T.: 5721.2

QTY	Part#	Description	Serial#	Cost	Sub Total
1	MS28778-4	O-RING		0.60	0.60
1	454-848	CLAMP #12 ADEL		1.01	1.01
4	J9413-58	ENGINE MOUNT		239.98	959.92
2	AN7-44A	BOLT, ENGINE MOUNT, SPK		2.42	4.84
2	AN7-43A	BOLT, ENGINE		3.82	7.64
4	MS20345-720C	NUT, 10PK		2.42	9.68
1	ADLOO/ENGINE	ENGINE LOG		13.50	13.50
1	124J003-4C80157	HOSE, ENGINE		154.00	154.00
1	124J003-4C80144	FUEL HOSE, ENGINE		124.21	124.21
1	124J003-4C80064	FUEL HOSE, ENGINE		109.93	109.93
1	124J003-4C80113	HOSE, ENGINE DA40		168.41	168.41
1	124J003-4C80153	HOSE, ENGINE		93.22	93.22
1	124P003-3C80195	HOSE, MANIFOLD PRESSURE, 01000		114.72	114.72
1	124P001-4C80112	HOSE, OIL PRESSURE, 0100, DA-40/42		50.90	50.90
1	124P001-4C80046	FUEL FLOW HOSE, ENGINE		51.20	51.20
2	MS21332-98	CLAMP		0.92	1.84
1/2	MS21919WD010	CLAMP		0.60	0.60
1/2	MS21919WD010	CLAMP		0.60	0.60
3	CNT6	AEROCOAT		4.73	14.19
2	SCAT 12	SCAT HOSE 3"		10.64	21.32
1	77504	GASKET, ALTERNATE AIR		9.81	9.81
8	550041171	OIL MINERAL 100W BY THE QUART		5.84	46.72
8	REM048	SPARK PLUG		71.48	571.84
1	A60280-WIP	Sensor, CHT Assy 01000 / DA40		102.10	102.10
2	D41-7144-10-80	Rad, Baffle, Retaining		38.02	56.04
2	SVT-1/2	SPIRAL WRAP 1/2 INCH		5.21	10.42
2	193-10	HOSE LOW PRESSURE		6.39	19.17
2	SVT-1/4	SPIRAL WRAP, TEFLOW, 1/4 "		2.02	4.04
2	SVT-1/2	SPIRAL WRAP 1/2 INCH		5.21	10.49
1	LN15473	FUEL PUMP ENGINE DRIVEN OVERHAULED DA 40/42	rc511459.1	0.00	0.00
1	REMP-RT10051	ENGINE DA40 LYCOMING REBUILT	RL-30448-SIE	31,401.08	31,401.08
1	10578T	OIL COOLER *USE DIAMOND DA1-9079-00-01*	739	210.00	210.00
1	4370	MAGNETO RIGHT SLICK	17080967	0.00	0.00
1	4347	MAGNETO DA 40/42 SLICK	17070555	0.00	0.00
1	AV2574548-1	FUEL SERVO AVSTAR	AV247331093	0.00	0.00
1	ALU-8521R	ALTERNATOR DA40 WITH PULLEY	H-R041778	0.00	0.00
1	P-840-23	GOVERNOR MT PROPELLER, DA-40	070217-N	645.00	645.00
1	HC-CYR-18P	PROPELLER DA-40	CH37702B	4,384.16	4,384.16

Date Started 18 JUN 2015

Date Completed 17 JUN 2018

Reg#	6101M
AC SN	40750
WFG	DIAMOND
Model	DA-40
A/C Tech Time	0427.1

CAE Oxford
Business Academy Finance

Form NFF-2AF-107, Rev-
FARCOSS DIVISION

A/C Total Time:	0427.1
RT Eng T.T.:	
RT Prop T.T.:	
LT Eng T.T.:	0.0
LT Prop T.T.:	5721.2

PELLER SERVICE AND

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

[illegible]

Document Review Date: 09 Apr 2010

Page 3 of 3 for Work Order 2018 02740

W.B. 2018	02740
6-17-18	
PT 5058.8	
PTSMOH 2090.5	

this propeller removed from
N4191M this time and date
for overhaul

9.1. ~~For~~ CRSB4VR47013

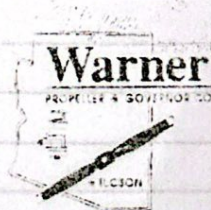
17 JUL 2018

TTSN 5058.8 TTSO 0.00

Overhauled, functional tested and
static balanced. Refer to work order # 13379
and 8130-3 # 38050

Brayden

Brooke Warner
Warner Propeller Tucson, AZ
FAA CRS# W59R659N



CARRIED FORWARD

TOTAL THIS PAGE

**TOTAL FROM
PREVIOUS SUMMARY**

TOTAL
SINCE MFG.

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 38050	
4. Organization Name and Address:  Warner Propeller & Governor Co., L.L.C. 5102 S. Country Club Rd. Tucson, AZ 85706				5. Work Order/Contract/Invoice Number: 13379		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Propeller	HC-C2YR-1BF	1	CH37702B	Overhauled	
12. Remarks:						
Overhauled, functional tested and static balanced using Hartzell manual 113B revision 45 dated MAR 2018. Complied with SB 118FR1, 136R1, 374R1, SL 217, 267, 293R1, 348, 353, 61YR10. Refer to work order number listed in box 5 for details.						
13a. Certifies the items identified above were manufactured in conformity to:			14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12			
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
				 Brooke Warner		W59R659N
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
						17 JUL 2018
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

WO#: 2018 03726

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

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3347.8

CAE Oxford
Aviation Academy Phoenix

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

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

Description of Work to be Performed

- 1) 93 Baffle is soft where baffle meets the cylinder cooling fin.
- 2) 485 Hour Inspection IAW CRF Progressive Insp
- 3) All 8 spark plugs will not come clean.
- 4) Baffle needs new grommets.
- 5) Battery 118 is broken.
- 6) Engine break-in run required.
- 7) Engine leak check required.
- 8) Engine Replacement Data.
- 9) Exhaust removed to P/M.
- 10) Fuel hoses firewall P/M require replacement.
- 11) Fuel servo fails to shut down at idle cutoff.
- 12) Fuel servo removed to P/M.
- 13) L/R magneto need timed.
- 14) L/R Baffle tension rods need replaced.
- 15) Left magneto change.
- 16) Oil breather tube is ripped.
- 17) Oil cooler requires replacement.
- 18) Oil hoses firewall P/M require replacement.
- 19) Oil quick drain will not stay open.
- 20) Preliminary inspection.
- 21) Propeller Replacement Data.
- 22) Removed alternate air valve to P/M.
- 23) Removed baffles #1, #2, #3, #4 to P/M.
- 24) Removed battery box and battery to P/M.
- 25) Removed propeller governor to P/M.
- 26) Right magneto change.
- 27) Starter removed to P/M.
- 28) The CAT and SCAT tubing on intake are worn.

Maintenance/Repairs Performed

- 1) 93 Baffle is soft where baffle meets the cylinder cooling fin.
POWERPLANT:
Repaired 93 baffle as needed. IAW Diamond DA 40-180 AMM ch. 51-20-00.
- 2) 485 Hour Inspection IAW CRF Progressive Insp
AIRFRAME:
Complied with 485 Hour Inspection IAW CRF Progressive Insp.
- 3) All 8 spark plugs will not come clean.
POWERPLANT:
Installed a new spark plug IAW the DA40 AMM 71-00-00, p/n 92038.
- 4) Baffle needs new grommets.
POWERPLANT:

Document Revision Date: 09 Apr 2010

Page 1 of 6 for Work Order 2018 03726

WO#: 2018 03726

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

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3347.8

CAE Oxford
Aviation Academy Phoenix

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

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

Installation new grommets as required p/n 921-1010.

- 5) Battery 118 is broken.
AIRFRAME:
Removed battery p/n 9024-10M, a/n 9024-10M installed a new battery p/n 9024-10M, a/n 9024-10M IAW the DA40 AMM 71-00-00.
- 6) Engine break-in run required.
POWERPLANT:
Completed the engine break-in run per the Lycoming service instruction no. 1210.
- 7) Engine leak check required.
POWERPLANT:
Completed the engine leak check, found leak check good.
- 8) Engine Replacement Data
POWERPLANT:
Removed timing out engine Model No. 12-162-MLA SN: 12162-11M a/n 12162-11M, TSO 12162-11M and installed overhauled engine M/P No. 12162-11M SN: 12162-11M a/n 12162-11M, TSO 12162-11M IAW the DA40 AMM 71-00-00.
- 9) Exhaust removed to P/M.
POWERPLANT:
Reinstalled the same exhaust IAW the DA 40 the DA 40 AMM 71-00-00.
- 10) Fuel hoses firewall P/M require replacement.
POWERPLANT:
Replaced all the fuel hoses firewall P/M as required.
- 11) Fuel servo fails to shut down at idle cutoff.
POWERPLANT:
Removed fuel servo p/n 1574588-1, a/n 1574588-1 installed overhauled fuel servo p/n 1574588-1, a/n 1574588-1 IAW the DA40 AMM 71-00-00, leak and operational checks were good at this time.
- 12) Fuel servo removed to P/M.
POWERPLANT:
Removed fuel servo p/n 1574588-1, a/n 1574588-1 and installed a overhauled fuel servo p/n 1574588-1, a/n 1574588-1 IAW the DA40 AMM 71-00-00.
- 13) L/R magneto need timed.
POWERPLANT:
Timed L/R and R/H magneto IAW the Lycoming overhaul manual section 4.
- 14) L/R Baffle tension rods need replaced.
POWERPLANT:
Installed new L/R baffle tension rods p/n D41-7168-10-40 IAW the DA40 AMM 71-00-00.
- 15) Left magneto change.

Document Revision Date: 09 Apr 2010

Page 2 of 6 for Work Order 2018 03726

WO#: 2018 03726

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

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3347.8

CAE Oxford
Aviation Academy Phoenix

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

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

- POWERPLANT:
Left magneto p/n 4347, a/n 04041419 removed with engine during engine change and new magneto p/n 4347, a/n 18040659 came installed on installed engine.
- 14) Oil breather tube is ripped.
POWERPLANT:
Replaced the oil tube with a new hose p/n 193-10 as required.
- 17) Oil cooler requires replacement.
POWERPLANT:
Removed old oil cooler p/n 105787, a/n 1358 and installed new oil cooler p/n CAT-9079-00-01, a/n 1712 IAW Diamond DA 40-180 AMM ch. 79-10-00.
- 18) Oil hoses firewall P/M require replacement.
POWERPLANT:
Replaced all the oil hoses firewall P/M as required.
- 19) Oil quick drain will not stay open.
POWERPLANT:
Replaced the oil quick drain with a new drain IAW the DA40-180 AMM 79-00-00, p/n 95000.
- 20) Preliminary Inspection
AIRFRAME:
C/w preliminary inspection. No further defects noted.
- 21) Propeller Replacement Data
PROPELLER:
Removed timing out propeller M/P No. HC-CYR-18F SN: CH401528 with TT 8093.4 hrs, TSO 3138.4 hrs and installed (Under Propeller Status) propeller M/P No. HC-CYR-18F SN: CH377079 with TT 5058.8 hrs, TSO 0.0 hrs IAW DA40 AMM 61-00-00.
- 22) Removed alternate air valve to P/M.
POWERPLANT:
Reinstalled the same alternate air valve IAW the DA40 AMM 71-00-00.
- 23) Removed baffles #1, #2, #3, #4 to P/M.
POWERPLANT:
Reinstalled all baffles IAW the DA40 AMM 71-00-00.
- 24) Removed battery box and battery to P/M.
AIRFRAME:
Reinstalled the battery box IAW the DA40 AMM 71-00-00.
- 25) Removed propeller governor to P/M.
POWERPLANT:
Removed prop governor p/n 2-1-6, a/n 073782 and installed a overhauled prop governor p/n 2-1-6, a/n 05283 IAW the DA40 AMM 61-20-00.
- 26) Right magneto change.

Document Revision Date: 09 Apr 2010

Page 3 of 6 for Work Order 2018 03726

WO#: 2018 03726

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

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3347.8

CAE Oxford
Aviation Academy Phoenix

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

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

- POWERPLANT:
Right magneto p/n 4370, a/n 05050358 removed with engine during engine change and new magneto p/n 4370, a/n 18021294 came installed on installed engine.
- 27) Starter removed to P/M.
POWERPLANT:
Re-installed same starter p/n 149-24LS a/n H-R081348 IAW Diamond DA 40-180 AMM 80-00-00.
- 28) The CAT and SCAT tubing on intake are worn.
POWERPLANT:
Replaced the CAT and SCAT tubing with new p/n CAT4 and SCAT 4 IAW Diamond DA40-180 AMM ch. 11-00-00.

Labor				
Rowland, J.	10.9	010.45	Busch, D.	4.0
			Goss, J.	005.55
			Van Dyke, L.	7.9
				007.53
				44.7
				44:37

Parts Used

Document Revision Date: 09 Apr 2010

Page 4 of 6 for Work Order 2018 03726

WO#: 2018 03823

Date Started: 07 AUG 2018

Date Completed: 10 AUG 2018

Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3350.6

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0040.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4495.0
LT Prop. T.T.: 5007.6

Description of Work to be Performed

- 1) A/C passenger door aft hinge checked.
- 2) C/W 1 hour/30 min static unloading.
- 3) Front seats removed to P/M.
- 4) Fuel selector valve 3/8 241-2023-25-00-MOD removed in accordance with instructions for maintenance in service use.
- 5) High pressure hose at 100 RPM.
- 6) preliminary inspection.
- 7) Removed passenger door to P/M.
- 8) Rubber pivot pin worn.
- 9) Stab trim is stiff.

Maintenance/Repairs Performed

- 1) A/C passenger door aft hinge checked.
AIRFRAME:
Replaced passenger door aft hinge (IAM Diamond 940-43-127-9).
- 2) C/W 1 hour/30 min static unloading.
AIRFRAME:
Open fuselage inspection found 800 volume to be 34 & 345. Turned down 800 volume and static disappeared. The check was good.
- 3) Front seats removed to P/M.
AIRFRAME:
Installed seats IAM 2040-180 AMM Chap 25-10-00.
- 4) Fuel selector valve 3/8 241-2023-25-00-MOD removed in accordance with instructions for maintenance in service use.
AIRFRAME:
Installed a new fuel selector valve 3/8 241-2023-25-00-MODIAM 2040-180 SERVICE BULLETIN 940-430-13. The check was good.
- 5) High pressure hose at 100 RPM.
POWERPLANT:
Adjusted mixture IAM 2040-180 AMM 71-10-00.
- 6) preliminary inspection.
AIRFRAME:
C/W preliminary inspection. No additional defects found.
- 7) Removed passenger door to P/M.
AIRFRAME:
Installed passenger door IAM 2040-180 AMM 52-10-00.
- 8) Rubber pivot pin worn.
AIRFRAME:
Replaced rubber pivot pin IAM Diamond 940-43-153.

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#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3350.6

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0040.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4495.0
LT Prop. T.T.: 5007.6

- 1) Stab trim is stiff.

AIRFRAME:
Adjusted stab trim to be within limits IAM 2040-180 AMM ch. 27-10-00.

Labor

Brummer, J. 0.5 000.25 Duke, D. 14.3 014.13 Garcia, G. 4.8 004.50

19.6 18.35

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	DA4-5540-00-10	BOLT, DA-40 RUDDER ASSY		36.67	36.67
1	DA4-5221-25-00_1	DOOR HINGE 1 APT		82.99	82.99
1	DA1-2023-20-00-MOD	FUEL SELECTOR SWAPT		350.04	350.04

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 1,858.33
Parts 469.70
TOTAL: 2,328.03

Date: 8-10-2018 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#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3413.3

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 0000.8
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) EVENT 81 IAW CAE Progressive INSPECTION
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 81 IAW CAE Progressive INSPECTION
AIRFRAME:
I certify that in accordance with CAE Progressive Inspection Program INSPECTION EVENT 81, 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 1420. (NEXT DUE APT: 1096.8)
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-17 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/MSB 570-1400/Revision AA).
Battery Expiration Date for ELT Transmitter is: (01/2020).
Remote switch battery if applicable, expires: (10/2020).
Next ELT Annual Inspection due: (08/2019).
ELT Registration if applicable: 9m2-28-2020

- 2) Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAM Diamond DA-40-180 A.M.M. Ch. 26-00-00. (Next Due: 9m 9-21-18)

Labor

Jones, D. 4.1 004.01 Cooperider, S. 0 005.00

9.1 9:05

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH40110	OIL FILTER		15.14	15.14
1	ACA1151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15450 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. filed under this Work Order.

Work Order Totals

Labor 908.33
Parts 60.71
TOTAL: 969.04

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 2018Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3413.3**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 0008.8
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) Strip adhesive to hollowback bonding wrap on fuselage.
- 2) 1216 SPM is high/100.
- 3) Possible crack found on LH wing with location marked.
- 4) Preliminary inspection.
- 5) No W/L brake linkages were worn.
- 6) Upper roll pin on fuel selector shaft is loose.

Maintenance/Repairs Performed

- 1) Strip adhesive to hollowback bonding wrap on fuselage.
1216 SPM is high/100.
- 2) 1216 SPM is high/100.
Adhesive strip to be within 1/8" to 3/16" SPM 1216-120 SPM on 19-20-25.
- 3) Possible crack found on LH wing with location marked.
Tap testing location no defects noted per AC 43.13-1B section 5 p. 8, 9-13.
- 4) Preliminary inspection.
C/W preliminary inspection. No defects noted.
- 5) No W/L brake linkages were worn.
- 6) Upper roll pin on fuel selector shaft is loose.
Exploded fuel selector shaft w/low P/W DA1-2923-20-00-MOD IAW DAAS APPN CH 28-20-00.

Labor

Time, D.	4.0	001.54	Inspector, 1.0	001.00
				5.0 4.54

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	AP066-14100	BRACE LINGING, DA-40		13.27	27.14
1	DA1-2923-20-00-MOD	FUEL SELECTOR SHAFT		150.04	150.04

WO#: 2018 04095

Date Started: 21 AUG 2018
Date Completed: 22 AUG 2018Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3413.3**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 0008.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4551.7
LT Prop. T.T.: 5124.3

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: 8-22-18

Signed: [Signature]

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

Work Order Totals

Labor	493.33
Parts	177.18
TOTAL	670.51

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 04095

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 04095

WO#: 2018 04431

Date Started: 10 SEP 2018
Date Completed: 10 SEP 2018Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3474.8**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10058.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4613.2
LT Prop. T.T.: 5185.8

Description of Work to be Performed

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

Maintenance/Repairs Performed

- 1) EVENT #2 IAW CAE Progressive Insp
AIRFRAME:
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 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 1410. (NEXT DUE APPT. 10159.3)
141 Flight School ATP AD Status sheets Reviewed and FAA BI-Weekly Checked Through 2018-19 for this aircraft.
- POWERPLANT:
Engine Cylinders Compression: #1- (78 /80)Psi, #2- (79 /80)Psi, #3- (79 /80)Psi, #4- (79 /80)Psi
- 2) Fire Extinguisher 30 Day Visual Inspection
AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.N.M. Ch. 24-00-00. (Next Due: 10/10/2018)

Labor

Small, D.	1.4	001.14	Inspector, H.	0.3	000.13	Sawyer, S.	4.5	004.14
								6.3 6.17

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.18	15.18
1	AOA1151	OIL SAMPLE KIT		8.50	4.50
7	950941184	OIL DRUM 15W50 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: 9/10/18

Signed: [Signature]

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

Work Order Totals

Labor	621.92
Parts	60.71
TOTAL	682.63

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 04431

Page 1 of 1 for Work Order 2018 04715

WO#: 2018 04716

Date Started: 27 SEP 2018
Date Completed: 28 SEP 2018Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3537.6**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10121.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4678.0
LT Prop. T.T.: 5248.0

Description of Work to be Performed

- AD 93-03-04 - Ignition Switch Inspection
- L/W wing root has several cracks.
- L/W brake linings worn.
- L/W main tire has a warped brake disc.
- L/W wing flap bellcrank bending braid broken.
- L/W wing root requires taproot.
- Worn wheel fork bushings worn.
- Preliminary inspection.
- R/W brake linings worn.
- R/W main tire has a warped brake disc.
- R/W wing tie down groove damaged.

Maintenance/Repairs Performed

- AD 93-03-04 - Ignition Switch Inspection
AIRFRAME:
C/W AD 93-03-04 Ignition Switch Inspection and Lube (LUB) NIS 1891-11. (NEXT DUE: 11/11/18)
3P
- L/W wing root has several cracks.
AIRFRAME:
Washed, cleaned and inspected cracked areas on L/W wing root. Cracks found to be contained within paint layers. Work performed IAW Diamond D40-100 AMM 51-10-00.
- L/W brake linings worn.
AIRFRAME:
Replaced the L/W brake linings with new linings P/N AP044-14109 IAW the Cleveland Manual section 205.
- L/W main tire has a warped brake disc.
AIRFRAME:
Replaced the L/W main brake disc with a new disc P/N AP044-24400 IAW the Cleveland Manual section 205.
- L/W wing flap bellcrank bending braid broken.
AIRFRAME:
Installed a new terminal and on flap push pull rod to bellcrank IAW AC43.13-18 sec. 11-14.
- L/W wing root requires taproot.
AIRFRAME:
Tap root on L/W wing root IAW D40-100 AMM 51-10-00.
- Worn wheel fork bushings worn.
AIRFRAME:
Replaced WFO fork bushings with new P/N P044514200-8 IAW D40-100 AMM 31-20-00.
- Preliminary inspection
AIRFRAME:

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 04716

WO#: 2018 04716

Date Started: 27 SEP 2018
Date Completed: 28 SEP 2018Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3537.6**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10121.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4678.0
LT Prop. T.T.: 5248.0

AIRFRAME:

C/W preliminary inspection, no defects noted.

R/W brake linings worn.

AIRFRAME:
Replaced the R/W brake linings with new linings P/N AP044-14109 IAW the Cleveland Manual section 205.

R/W main tire has a warped brake disc.

AIRFRAME:
Replaced the R/W brake disc with a new disc P/N AP044-24400 IAW the Cleveland Manual section 205.

R/W wing tie down groove damaged.

AIRFRAME:
Replaced the L & R tie down grooves as required P/N 110118.

Labor

Framer, J. 0.8 000-11/04/18, J. 3.3 000-11/04/18, D. 0.8 000-11/04/18

8.8 0.43

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	110118	WASHER BUSHING, TIE-DOWN, DA-40/42		6.54	6.54
1	110118	WASHER BUSHING, TIE-DOWN, DA-40/42		6.54	6.54
2	P044514200-8	DA-40 WFO Fork Bushing		44.45	88.90
1	11-03456	ACR IGNITION SWITCH SERVICE KIT		14.87	14.87
2	AP044-14109	BRAKE LINING, DA-40		11.97	23.94
2	AP044-24400	BRAKE DISC, DA-40		197.10	394.20

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. 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]

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

Work Order Totals

Labor 871.67
Parts 561.73
TOTAL: 1,433.40

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 04716

WO#: 2018 04963

Date Started: 14 OCT 2018
Date Completed: 15 OCT 2018Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3593.4**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10178.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4731.8
LT Prop. T.T.: 5304.4

Description of Work to be Performed

- EVENT 84 IAW CAE Progressive INSPECTION
- Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- EVENT 84 IAW CAE Progressive INSPECTION
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 engine were performed and are approved for return to service. C/W AD 1015-10-07 Fuel Injector Lines Inspection IAW Lycoming R66 3420. (NEXT DUE: 10/17/18) 141 Flight School ATP AD Status sheet Reviewed and FAA Bi-Weekly Checked Through 1018-26 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: 01- (76/60)Psi, 02- (76/60)Psi, 03- (76/60)Psi, 04- (76/60)Psi

Fire Extinguisher 30 Day Visual Inspection

AIRFRAME:
Complied with Fire extinguisher 30 Day visual inspection IAW Diamond DA-40-100 A.M.M. Ch. 16-00-00. (Next Due: 11/16/2018)

Labor

Rlo, T. 2.8 000-08/08/18, C. 0.9 000-09/08/18, Sheffield, M. 3.4 000-11/08/18, Small, D. 3.3 000-11/08/18

10.0 9.54

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	0448110	OIL FILTER		15.19	15.19
1	AD41151	OIL SAMPLE KIT		6.50	6.50
7	550041144	OIL DRUM 15W80 DISPOSED BY QUANT		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: 10-15-2018 Signed: [Signature]

5030 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

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 04963

WO#: 2018 04964

Date Started: 14 OCT 2018
Date Completed: 15 OCT 2018Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3593.4**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10178.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4731.8
LT Prop. T.T.: 5304.4

Description of Work to be Performed

- Preliminary inspection.
- R/W rudder cable frayed near eyelet on aft bellcrank.
- Rear seat removed for POM of rudder cable repair.

Maintenance/Repairs Performed

- Preliminary inspection.
AIRFRAME:
Performed preliminary inspection. No defects noted.

R/W rudder cable frayed near eyelet on aft bellcrank.

AIRFRAME:
Replaced bellcrank to rudder, rudder cable pair with new cable P/N SPL2579 stretched, eyelets, p/n DA-TW1-13-12 and swages p/n SPL-4p. Swaged cable low 403.13-18, chapter 7, rigged and adjusted rudder travel and cable tension low 4040-100 am, ch. 04-00 and ch. 17-20-00. operational and travel check satisfactory.

Rear seat removed for POM of rudder cable repair.

AIRFRAME:
Reinstalled rear seat.

Labor

Orr, C. 7.5 000-10/15/18

7.5 7.30

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
4	SL2-4P	SLEEVE CONTROL CABLE		1.14	4.56
40	SPL1579STRETCHED	Diamond Rudder Cable (1/8" Dia. Stretched)		3.78	151.20
4	DA-TW1-13-12	Control Cable Thimble		5.83	23.32
2	SL2-4P	SLEEVE CONTROL CABLE		1.14	2.28
2	DA-TW1-13-12	Control Cable Thimble		5.83	11.66
1	11-01300	HEAT SHRINK TUBE 1/2"		0.50	0.50

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]

5030 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

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 04964

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

Reg#:	4174B		A/C Total Time:	10238.0
AC S/N:	40 032		RT Eng T.T.:	
MFG	DIAMOND		RT Prop T.T.:	
Model:	DA-40		LT Eng T.T.:	4700.0
A/C Tech Time:	3054.5		LT Prop T.T.:	5305.5

Form KFF-MAF107, Rev. -
FAA-CRS 04/04/2004

Description of Work to be Performed

1) Co-pilot carpet is unglued
Airtex®
Re-glue carpet on co-pilot side as required.

2) Overhaul on pilot's control stick
Airtex®
Re-wire overhaul, primed painted pilot control stick per AC 13 overhaul prevention.

3) VTC asymmetrical tube boots are unglued.
Airtex®
Re-glue Airtex® VTC asymmetrical tube boots as required.

4) Fuel selector system. Found ball pins in fuelage
Airtex®
Re-rework fuel selector, eye check good

5) High Side (H&I)
Airtex®
Adjusted idle setting 140 CC to 125 CC per "A-B-C"

6) VTC Symmetrical Valve Stem Inspection
Inspected valves (100 hours 11 months, including antenna magnetics, camera components, operation, correct bracket fuel air bypass, C0645-00013, pg 11. Next Due Date: 11/2019.

7) VTC V. Weathering System Inspection
Airtex®

Maintenance/Repairs Performed

1) Co-pilot carpet is unglued
Airtex®
Re-glue carpet on co-pilot side as required.

2) Overhaul on pilot's control stick
Airtex®
Re-wire overhaul, primed painted pilot control stick per AC 13 overhaul prevention.

3) VTC asymmetrical tube boots are unglued.
Airtex®
Re-glue Airtex® VTC asymmetrical tube boots as required.

4) Fuel selector system. Found ball pins in fuelage
Airtex®
Re-rework fuel selector, eye check good

5) High Side (H&I)
Airtex®
Adjusted idle setting 140 CC to 125 CC per "A-B-C"

6) VTC Symmetrical Valve Stem Inspection
Inspected valves (100 hours 11 months, including antenna magnetics, camera components, operation, correct bracket fuel air bypass, C0645-00013, pg 11. Next Due Date: 11/2019.

7) VTC V. Weathering System Inspection
Airtex®

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 09291

WO#: 2018 05231

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

Reg#:	4174B		A/C Total Time:	10238.0
AC S/N:	40.932		RT Eng. T.T.:	
MFG:	DIAMOND		RT Prop. T.T.	
Model:	DA-40		LT Eng T.T.:	4792.9
A/C Tach Time:	3054.5		LT Prop T.T.:	5365.5

Form: KFF-M-F107, Rev -

FAACRS B4VR470K 5.7 005:30 Parts, G. 5.4 005:30		25.4 25:20			
Parts Used					
Qty	Part#	Description	Serial#	Cost	Sub Total
1	DRA-5300-42-00	Post Stop R/R, DA-40		209.12	209.12
5	350-A3201-G1	FUSE, SLOW BLOW, 3.2 AMP		0.99	4.95
		***CANDLER**			
1	1230-100PT	BRAIDED WIRE 3/16 COPPER TINNED		1.63	1.63
1	CDW7337-AM GXR 5-A3	POP RIVET		0.15	0.15
1	34004	AMTI SEED BULK ROLL		10.67	10.67
1	CDW7337-AM GXR 5-A3	POP RIVET		0.15	0.45
1	DA-R53	ROLLER GUIDE ASBY, 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. Partinent details of the repair/inspection are on file at CAE Oxford Aviation Academy Phoenix Inc. filed under this Work Order.					
Date: <u>11/16/16</u> Signed: <u>[Signature]</u> 5030 East Taylor Dr. Mesa AZ 85215 Fgmr: 5030-44-10 Ref: FAACRS B4VR470K					
				Work Order Totals	
Labor				2,490.08	
Parts				262.79	
TOTAL:				2,752.87	

Document Revision Date: 09 Apr 2010

Page 3 of 3 for Work Order 2018 05231

WO#: 2018 05231

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

Reg#:	41748		A/C Total Time:	10238.0
A/C S/N:	40 932		RT Eng. T.T.:	
UFG:	DIAMOND		RT Prop. T.T.	
Model:	DA-40		LT Eng T.T.:	4792.0
A/C Tach Time:	3654.5		LT Prop T.T.:	5365.5

Form: KFF-M-F107, Rev -
FAA-CRS B4VAT7K

11/27/1988.

Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 552 system as required aircraft inspection per CO Guardian, 03-173-201, Rev. F, par. 7.0 and 8.0. Next Due AFPT 103758 S.

8) TCH 01000 Bonding Resistance Test - STC SAE114497-D
 AIRFRAME:
 Performed 01000 system electrical bonding test after 1000 hours TIS IAW 01000 MM, 190-00545-01, Section 4.3 and 4.5. Next Due AFPT 113114 S.

9) TCH 01000 Cooling Fans Check - AFPT - 1af3
 AIRMOTORS:
 Performed operational check before 300 hours TIS of 01000 cooling fans per 01000 MM, 190-00545-01, Sec. 4.5 and 4.13. Next Due AFPT 104848 S.

10) TCH 01000 Cooling Fans Check - Data - 1af3
 AIRMOTORS:
 Performed operational check before 15 calendar months of 01000 cooling fans per 01000 MM, 190-00545-01, Sec. 4.3 and 4.13. Next Due Date: 11/2019.

11) TCH 01000 Lightning Protection Fuse Replace - STC SAE114497-D
 AIRMOTORS:
 Replaced all five lightning protection 3 A fuse slow-blow fuses after 24 Calendar months per 01000 MM, 190-00545-01, page 4.1 and 4.13. Next Due Date: 11/2020.

12) TCH 01000, OCU and Cooling Fans Inspection
 AIRMOTORS:
 Performed, after 13 calendar months, complete visual inspection of 01000 system, check of OCU power function, and test of cooling fan function and failure annunciation IAW 01000 system MM, 190-00545-01, Sec. 4.3, 4.4, 4.11 and 4.13. Next Due Date: 11/2019.

13) MIDDLE elevator roller is cracked.
 AIRFRAME:
 Replaced middle elevator roller with new PW D8-R03 IAW DA60-100 RJM 40-144

14) oil dip stick req's re safety
 AIRFRAME:
 Re-safety wired dip stick.

15) PRELIMINARY INSPECTION
 AIRFRAME:
 c/o preliminary inspection. No defects noted.

16) RH entry step is cracked
 AIRFRAME:
 RH entry step replaced w/new foot step. RM, DA-40 P/N DAT-5300-42-00 as required.

Document Revision Date: 09 Apr 2010

Page 2 of 3 for Work Order 2018 05231

WO#: 2018 05230

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

Reg#:	4174B	 CAE Oxford Aviation Academy Phoenix	A/C Total Time:	10238.0
AC S/N:	40.932		RT Eng. T.T.:	
MFG:	DIAMOND		RT Prop. T.T.:	
Model:	DA-40		LT Eng T.T.:	4792.9
A/C Tach Time:	3654.5		LT Prop T.T.:	5365.5

Form: KFF-M-F107, Rev -
FAA-CRS BA/RAT0K

Description of Work to be Performed																																	
1) EVENT #1 IAW CAE Progressive INSPECTION 2) Fire Extinguisher 30 Day Visual Inspection																																	
Maintenance/Repairs Performed																																	
1) EVENT #1 IAW CAE Progressive INSPECTION 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 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 342G. (NEXT DUE AFTT: 10318.0) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-22 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 Manual 570-1400/Revision AA. Battery Expiration Date for ELT Transmitter is: (8/2021). Remot switch battery if applicable, expires: (04/2019). Next ELT Annual Inspection due: (11/2019) ELT Registration if applicable : (02/23/2020).																																	
2) Fire Extinguisher 30 Day Visual Inspection AIRFRAME: Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-40-180 A.M.N. Ch. 26-00-00. (Next Due: 11/1/2018)																																	
Labor																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Garcia, G.</td> <td>0.2</td> <td>000-11</td> <td>Dale, D.</td> <td>0.4</td> <td>000-11</td> <td>Vansore, H.</td> <td>1.4</td> <td>001-14</td> <td>Vallejo, J.</td> <td>2.3</td> <td>002-16</td> </tr> <tr> <td>Metzger, P.</td> <td>1.4</td> <td>001-12</td> <td>Bushchere, S.</td> <td>1.4</td> <td>001-14</td> <td>Coppeirider, B.</td> <td>2.4</td> <td>002-19</td> <td colspan="3"></td> </tr> </table> 9.9 9:49										Garcia, G.	0.2	000-11	Dale, D.	0.4	000-11	Vansore, H.	1.4	001-14	Vallejo, J.	2.3	002-16	Metzger, P.	1.4	001-12	Bushchere, S.	1.4	001-14	Coppeirider, B.	2.4	002-19			
Garcia, G.	0.2	000-11	Dale, D.	0.4	000-11	Vansore, H.	1.4	001-14	Vallejo, J.	2.3	002-16																						
Metzger, P.	1.4	001-12	Bushchere, S.	1.4	001-14	Coppeirider, B.	2.4	002-19																									
Parts Used																																	
Qty	Part#	Description	Serial#	Cost	Sub Total																												
1	CH48110	OIL FILTER		15.18	15.18																												
1	AQ41151	OIL SAMPLE KIT		8.50	8.50																												
7	950041114	OIL DRUM 15W50 DISBENSE BY QUART		5.29	37.03																												
Maintenance Release						Work Order Totals																											
This aircraft, airframe, aircraft engine, propeller or appliance identified above, was inspected and approved 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 969.3 Parts 60.7 TOTAL: 1,030.0																											
Date: <u>11/1/18</u> Signed: <u>[Signature]</u> 5030 Elm Falcon Dr. Mesa AZ 85215 Form KSA-1161-107 Rev. FAA-CRS-14AVR170K																																	

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 SN: 40 032
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: 10304.6
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	
1) EVENT 83 IAW CME Progressive 128P	
2) Fire Extinguisher 30 Day Visual Inspection	
Maintenance/Repairs Performed	
1) I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT 83, a routine inspection of engine/propeller and a detailed inspection of wings and landing gear were performed and are approved for return to service. 2) W AD 2015-19-07 Fuel Injector Lines Inspection IAW Lycoming HBB 3420. (NEXT DOW APTT: 10456.3) 3) Flight School ATP AD Status Sheet Reviewed and FAA BI-Weekly Checked Through 2018-21 for this aircraft.	
Labor	
Edward, D. 0.3 000.14	0.9 000.13
Drummer, J. 0.4 000.14	
11.0 13.00	
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. filed under this Work Order. Date: <u>11-16-2018</u> Signed: _____ 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K	
Work Order Totals	
Labor	1,284.67
Parts	
TOTAL:	1,284.67

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 05548

WO#: 2018 05549

Date Started: 15 NOV 2018

Date Completed: 16 NOV 2018

Reg#: 41748
AC SN: 40 032
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: 10304.6
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	
1) CME turn on pilot side defecator tank.	
2) IOW CO Quadron System Inspection	
3) Idle too high 820 rpm.	
4) Left hand mag timing off at 21°.	
5) Mixture is not hitting full rich.	
6) Preliminary inspection	
7) N/W brake caliper leaking.	
8) Spinner inside tape is missing.	
Maintenance/Repairs Performed	
1) CME turn on pilot side defecator tank. AIRFRAME: Spliced in place of CME turn on defecator as needed. p/n CRF. 2) IOW CO Quadron System Inspection AIRFRAME: Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 400 system at required aircraft inspection per CO Quadron, 01-02-201, Rev. P. par. 7.4 and 8.0. Next DOW APTT: 10456.3. 3) Idle too high 820 rpm. POWERPLANT: Adjusted idle to within limits IAW Diamond DA40-180 ANM ch. 16-00-00. 4) Left hand mag timing off at 21°. POWERPLANT: Retimed left mag to 21° BTDC IAW Lycoming direct drive O/W manual sec. 6. 5) Mixture is not hitting full rich. POWERPLANT: Adjusted mixture cable to contact stops IAW DA-40 Series ANM sec. 24-00-00. 6) Preliminary inspection AIRFRAME: Complied with preliminary inspection, no defects noted. 7) N/W brake caliper leaking. AIRFRAME: Removed leaking o-rings p/n: H261779-224 IAW Cleveland wheels and brakes PM section 100, leak check good, up check good. 8) Spinner inside tape is missing. PROPELLER: Installed Teflon tape p/n 021300-07876 as needed.	

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 05549

WO#: 2018 05549

Date Started: 15 NOV 2018

Date Completed: 16 NOV 2018

Reg#: 41748
AC SN: 40 032
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: 10304.6
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 4859.7
LT Prop. T.T.: 5432.3

Labor					
Van Dyke, L. 0.3 000.14	Edward, D. 0.9 000.13				
Drummer, J. 0.4 000.14					
1.5 1.30					
Parts Used					
Qty	Part#	Description	Serials	Cost	Sub Total
1	021300-07876	TEFLON TAPE FOR DIAMOND FUEL		3.77	3.77
1	CAT4	TIRES		4.75	4.75
1	H261779-224	O-RING		0.35	0.35
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. filed under this Work Order. Date: <u>11-16-2018</u> Signed: _____ 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K					
Work Order Totals					
Labor	145.67				
Parts	7.87				
TOTAL:	153.54				

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 05549

WO#: 2018 05695

Date Started: 25 NOV 2018

Date Completed: 26 NOV 2018

Reg#: 41748
AC SN: 40 032
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.: 4913.1
LT Prop. T.T.: 5485.7

Description of Work to be Performed					
1) EVENT 83 IAW CME Progressive 128P					
2) Fire Extinguisher 30 Day Visual Inspection					
Maintenance/Repairs Performed					
1) 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. 2) W AD 2015-19-07 Fuel Injector Lines Inspection IAW Lycoming HBB 3420. (NEXT DOW APTT: 10456.3) 3) Flight School ATP AD Status Sheet Reviewed and FAA BI-Weekly Checked Through 2018-21 for this aircraft. 4) Fire Extinguisher 30 Day Visual Inspection AIRFRAME: Complied with Fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.N.M. Ch. 24-00-00. (Next Due: 12/16/2018)					
Labor					
Small, D. 0.0 000.14	0.0 000.13				
Drummer, J. 0.4 000.14					
15.4 15.19					
Parts Used					
Qty	Part#	Description	Serials	Cost	Sub Total
1	0242110	OIL FILTER		15.19	15.19
1	AD41151	OIL SAMPLE KIT		9.50	9.50
7	550041184	OIL DRUM 15050 DISPENSE BY QUANT		5.29	37.03
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. filed under this Work Order. Date: <u>11-26-2018</u> Signed: _____ 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev-FAA-CRS B4VR470K					
Work Order Totals					
Labor	1,477.58				
Parts	60.71				
TOTAL:	1,538.29				

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 05695

WOF: 2018 05686

Date Started: 25 NOV 2018
Date Completed: 26 NOV 2018Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3774.7**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev-
FAA-CRS B4VR470KA/C Total Time: 10358.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4013.1
LT Prop T.T.: 5485.7

Description of Work to be Performed

- 1) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 2) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 3) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 4) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 5) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 6) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 7) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 8) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 9) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 10) 400 Hour Inspection per FAR 91.409(b)(1) (2018)

Maintenance/Repairs Performed

- 1) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 2) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 3) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 4) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 5) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 6) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 7) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 8) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 9) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 10) 400 Hour Inspection per FAR 91.409(b)(1) (2018)

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 05686

WOF: 2018 05686

Date Started: 25 NOV 2018
Date Completed: 26 NOV 2018Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3774.7**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev-
FAA-CRS B4VR470KA/C Total Time: 10358.2
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 4013.1
LT Prop T.T.: 5485.7

Labor

NAME	TIME	DATE	TIME	DATE
CLIFFIN, M.	0.4	000.19	EDWARDS, D.	0.4
				0.4
				0.4

6.1 6.04

Parts Used

QTY	PARTS	Description	Serials	Cost	Sub Total
1	1000000	1000000		92.50	92.50
1	1000000	1000000		10.00	10.00
1	1000000	1000000		1.10	1.10
1	1000000	1000000		100.13	100.13
1	1000000	1000000		470.00	470.00
1	1000000	1000000		920.00	920.00

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. Particular 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

Work Order Totals

Labor	606.67
Parts	1,218.10
TOTAL:	1,824.77

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 05686

WOF: 2018 05994

Date Started: 10 DEC 2018
Date Completed: 11 DEC 2018Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3832.2**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev-
FAA-CRS B4VR470KA/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

Description of Work to be Performed

- 1) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 2) 400 Hour Inspection per FAR 91.409(b)(1) (2018)

Maintenance/Repairs Performed

- 1) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 2) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 3) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 4) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 5) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 6) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 7) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 8) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 9) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 10) 400 Hour Inspection per FAR 91.409(b)(1) (2018)

Labor

NAME	TIME	DATE	TIME	DATE
EDWARDS, D.	0.4	000.19	CLIFFIN, M.	0.4
				0.4
				0.4

6.6 6.32

Parts Used

QTY	PARTS	Description	Serials	Cost	Sub Total
1	1000000	1000000		9.50	9.50
1	1000000	1000000		5.20	5.20
1	1000000	1000000		15.18	15.18

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: 12-11-18 Signed: [Signature]

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

Work Order Totals

Labor	643.42
Parts	60.71
TOTAL:	704.13

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 05994

WOF: 2018 05995

Date Started: 10 DEC 2018
Date Completed: 11 DEC 2018Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3832.2**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev-
FAA-CRS B4VR470KA/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

Description of Work to be Performed

- 1) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 2) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 3) 400 Hour Inspection per FAR 91.409(b)(1) (2018)

Maintenance/Repairs Performed

- 1) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 2) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 3) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 4) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 5) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 6) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 7) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 8) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 9) 400 Hour Inspection per FAR 91.409(b)(1) (2018)
- 10) 400 Hour Inspection per FAR 91.409(b)(1) (2018)

Labor

NAME	TIME	DATE	TIME	DATE
CLIFFIN, M.	0.4	000.19	EDWARDS, D.	0.4
				0.4
				0.4

1.9 1.51

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: 12-11-18 Signed: [Signature]

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

Work Order Totals

Labor	177.33
Parts	177.33
TOTAL:	354.66

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 05995

WO#: 2018 06191

Date Started: 21 DEC 2018

Date Completed: 23 DEC 2018

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3806.5

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10480.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5034.9
LT Prop T.T.: 5607.8

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

Description of Work to be Performed

1) EVENT 81 IAW CME Progressive Insp

2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT 81 IAW CME Progressive Insp

AIRFRAME:

I certify that in accordance with CME 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 2018-12-07 Fuel Injector Lines Inspection IAW Lycoming HSB 3420. (NEXT DUE APTT: 10,100.0) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-23 for this aircraft.

AVIONICS:

ELT Annual Inspection complied with as required by 14 CFR 91.207 (b) and found to be in satisfactory condition. Inspection and test was performed in accordance with Manual WSHS 175-1023 Revision AA. Battery Expiration Date for ELT Transmitter is: (08/2021). Remote switch battery is applicable, expires: (10/2020). Next ELT Annual Inspection Due: (12/2019). ELT Registration if applicable: (12/21/2020).

2) 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: 01/22/2019)

Labor

Edwards, D. 2.0 003.00; Brunner, J. 2.0 003.00; Hall, D. 2.0 003.00

9.0 9.18

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH8810	OIL FILTER		15.10	15.10
1	AOA1151	OIL SAMPLER KIT		8.50	8.50
7	510041144	OIL DRUM 15W50 DISPERSE BY QUANT		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: 12-23-2018 Signed: [Signature]

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

Work Order Totals

Labor 919.67
Parts 60.71
TOTAL: 980.38

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2018 06191

WO#: 2018 06192

Date Started: 21 DEC 2018

Date Completed: 23 DEC 2018

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3806.5

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10480.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5034.9
LT Prop T.T.: 5607.8

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

Description of Work to be Performed

1) EVENT 82 IAW CME Progressive Insp

2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT 82 IAW CME Progressive Insp

AIRFRAME:

I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT 8.2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service. C/W AD 2018-12-07 Fuel Injector Lines Inspection IAW Lycoming HSB 3420. (NEXT DUE APTT: 10,629.0) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-25 for this aircraft.

AVIONICS:

Engine Cylinders Compression: 81- (172 / 80)Psi, 82- (174 / 80)Psi, 83- (176 / 80)Psi, 84- (174 / 80)Psi

2) 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: 02/06/2019)

Labor

Edwards, D. 2.0 003.00; Van Dyke, L. 2.0 003.00; Ayers, S. 2.0 003.00; Buschew, S. 2.0 003.00

Orr, C. 4.2 004.00; Brunner, J. 12.0 011.00

29.2 29.09

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	49618-1	Connector Pin 18-24 AWG		0.05	0.10
2	PAP10120P11	BUSHING COLLAR, BRKES		5.70	11.40
1	H328775-224	O-RING		0.35	0.35
1	H328775-323	O-RING		0.41	0.41
4	07-20212	BRAKE LININGS, DA-40		13.57	54.28
1	P02C-28V	COMPASS DA 40/42	745443-38	453.45	453.45

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]

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

Work Order Totals

Labor 2,898.83
Parts 519.99
TOTAL: 3,418.82

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2018 06192

WO#: 2018 06192

Date Started: 21 DEC 2018

Date Completed: 23 DEC 2018

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3806.5

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10480.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5034.9
LT Prop T.T.: 5607.8

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

Description of Work to be Performed

1) Battery to engine ground wire chaffing against adal clamps.

2) Compass has multiple bubbles.

3) Compass swing required for new compass.

4) TCR CO Guardian System Inspection

5) TCR 01000 Cooling Fans Check - APTT - 1022

6) L/R side canopy locking pin sleeve come loose.

7) LH brake linings worn.

8) LH caliper is beginning to leak.

9) Pilots control stick bushings worn.

10) Preliminary Inspection.

11) RH brake linings worn.

Maintenance/Repairs Performed

1) Battery to engine ground wire chaffing against adal clamps.

AIRFRAME:

Installed spiral wrap on battery to engine ground wire to prevent further chaffing.

2) Compass has multiple bubbles.

AIRFRAME:

Removed air bubble compass, (p/n P02C-28V, a/n 705111-01) and installed a new compass, (p/n P02C-28V, a/n 705111-01) IAW Page 100 Installation Instructions.

3) Compass swing required for new compass.

AVIONICS:

Completed compass swing IAW DA40-180 A.M.N. Ch. 24-00-00.

4) TCR CO Guardian System Inspection

AIRFRAME:

Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Area 412 system at required aircraft inspection per CO Guardian, 01-493-201, Rev. P, par. 7.0 and 8.0. Next Due APTT: 10710.0.

5) TCR 01000 Cooling Fans Check - APTT - 1022

AVIONICS:

Performed operational check before 250 hours TIS of 01000 cooling fans per 01000 MM, 190-00145-01, Sec. 4.3 and 4.13. Next Due APTT: 10710.0.

6) L/R side canopy locking pin sleeve come loose.

AIRFRAME:

Removed canopy and door handle to re-install sleeve IAW Diamond DA40-180 A.M.N. Ch. 12-10-00.

7) LH brake linings worn.

AIRFRAME:

Removed worn LH brake linings and installed new linings, (p/n AP664-14100) IAW Cleveland MM 900-200.

8) LH caliper is beginning to leak.

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2018 06192

WO#: 2019 00111

Date Started: 08 JAN 2019

Date Completed: 09 JAN 2019

Reg#: 4174B
AC SN: 40.932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 3806.5

CAE Oxford
Aviation Academy Phoenix

A/C Total Time: 10539.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5093.9
LT Prop T.T.: 5606.6

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

Description of Work to be Performed

1) EVENT 82 IAW CME Progressive Insp

2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT 82 IAW CME Progressive Insp

AIRFRAME:

I certify that in accordance with CME Progressive Inspection Program INSPECTION EVENT 8.2, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service. C/W AD 2018-12-07 Fuel Injector Lines Inspection IAW Lycoming HSB 3420. (NEXT DUE APTT: 10,629.0) 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2018-25 for this aircraft.

AVIONICS:

Engine Cylinders Compression: 81- (172 / 80)Psi, 82- (174 / 80)Psi, 83- (176 / 80)Psi, 84- (174 / 80)Psi

2) 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: 02/06/2019)

Labor

Jones, D. 2.0 003.00; Vallejo, J. 4.0 004.00; Jones, D. 5.3 005.10

11.5 11.26

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH8810	OIL FILTER		15.10	15.10
1	AOA1151	OIL SAMPLER KIT		8.50	8.50
7	510041144	OIL DRUM 15W50 DISPERSE BY QUANT		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: 1-9-19 Signed: [Signature]

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

Work Order Totals

Labor 1,123.33
Parts 60.71
TOTAL: 1,184.04

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00111

WO#: 2019 00489

Date Started: 30 JAN 2019

Date Completed: 30 JAN 2019

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4077.0

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 10000.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5215.4
LT Prop T.T.: 5788.0

Description of Work to be Performed

- 1) EVENT 91 IAW CAS Progressive INSPECTION
2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT 91 IAW CAS Progressive INSPECTION
AIRFRAME:
I certify that in accordance with CAS Progressive Inspection Program INSPECTION EVENT 91, a routine inspection of engine/propeller and airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.
C/W AD 2018-19-07 Fuel Injector Lines Inspection IAW Upcoming HUB 1420. (HUB DOW APPY: 14749.51)
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-01 for this aircraft.
POWERPLANT:
Engine Cylinders Compression: 61: 1.75 (30174), 62: 1.74 (30174), 63: 1.73 (30174), 64: 1.74 (30174)
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: 03/31/19)

Labor

Elizbeth, A. 2.5 001.00 Cooperider, J. 2.5 001.00
6.0 6.00

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.15	15.15
1	ADAL151	OIL SAMPLE KIT		6.50	6.50
7	ES0041194	OIL DRUM 15W50 DISPENSER 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: 1/30/19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev. FAA-CRS B4VR470K

Work Order Totals

Labor 623.33
Parts 60.71
TOTAL: 684.04

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00489

WO#: 2019 00490

Date Started: 30 JAN 2019

Date Completed: 31 JAN 2019

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4077.0

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 10000.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5215.4
LT Prop T.T.: 5788.0

Description of Work to be Performed

- 1) 91 Exhaust clamps are leaking
2) TCM Oil Guardian System Inspection
3) Preliminary Inspection

Maintenance/Repairs Performed

1) 91 Exhaust clamps are leaking
AIRFRAME:
Replaced 91 Exhaust clamps with new PN 520-005 IAW CAS-180 AMM ch 16-00-00
2) TCM Oil Guardian System Inspection
AIRFRAME:
Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 410 system as required aircraft inspection per Oil Guardian, 01-410-011, Rev. F, par. 7.0 and 8.0. Next Due APPY: 10/15/19
3) Preliminary Inspection
AIRFRAME:
C/W preliminary inspection on defects noted.

Labor

Cooperider, J. 2.5 001.00 Elizbeth, A. 2.5 001.00
5.0 5.00

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	229-005	CLAMP ASBY DIAMOND ONLY		75.00	150.00

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: 1/31/19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev. FAA-CRS B4VR470K

Work Order Totals

Labor 180.00
Parts 150.00
TOTAL: 330.00

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00490

WO#: 2019 00701

Date Started: 17 FEB 2019

Date Completed: 19 FEB 2019

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4141.0

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 10725.1
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5280.0
LT Prop T.T.: 5852.0

Description of Work to be Performed

- 1) EVENT 91 IAW CAS Progressive INSPECTION
2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

1) EVENT 91 IAW CAS Progressive INSPECTION
AIRFRAME:
I certify that in accordance with CAS Progressive Inspection Program INSPECTION EVENT 91, a routine inspection of engine/propeller and airframe and a detailed inspection of engine/propeller were performed and are approved for return to service. C/W AD 2018-19-07 Fuel Injector Lines Inspection IAW Upcoming HUB 1420. (HUB DOW APPY: 14749.51)
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-01 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 HB404 570-1400 Revision AA
Battery Expiration Date for ELT Transmitter is: (08/2021).
Remote switch battery if applicable, expires: (10/2020).
Next ELT Annual Inspection due: (02/2020).
ELT Registration if applicable: (02/20/2020).

- 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: 03/31/2019)

Labor

Jefferson, D. 2.5 001.00 Edwards, D. 4.5 004.50 Sheffield, N. 2.4 002.40 Sawyer, B. 1.0 000.10
O'Brien, H. 3.4 003.40 Cooperider, J. 3.4 003.40
20.6 20.36

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		15.15	15.15
1	ADAL151	OIL SAMPLE KIT		6.50	6.50
7	ES0041194	OIL DRUM 15W50 DISPENSER 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: 2/19/19 Signed: [Signature]
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev. FAA-CRS B4VR470K

Work Order Totals

Labor 2,012.08
Parts 60.71
TOTAL: 2,072.79

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 00701

WOF: 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

CAE Oxford
Aviation Academy Phoenix

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

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

Description of Work to be Performed

- 1) EVENT 81 IAW CAA Progressive Insp
2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 81 IAW CAA Progressive Insp

I certify that in accordance with CAA Progressive Inspection Program Inspection EVENT 8 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.
C/W 82 2019-19-07 Fuel Injector Lines Inspection IAW Lycoming MSB 3430. (NEXT DUE APTT: 10,941.2)
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-03 For VISA 4174B.

- 2) Fire Extinguisher 30 Day Visual Inspection

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

Labor

Job No.	Part No.	Description	Serial No.	Cost	Sub Total					
1	001-10	Sheffield, M.	0.3	000-41	Sumner, J.	2.3	002-10	Cooperider, I.	1.3	001-11
2	001-12									

Parts Used

Qty	Part No.	Description	Serial No.	Cost	Sub Total
3	000-13	OIL FILTER		15.42	15.42
1	000-15	OIL SAMPLE KIT		0.50	0.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUANT		4.46	31.22

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

Work Order Totals

Labor	925.00
Parts	55.34
TOTAL:	980.34

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 01128

WOF: 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

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

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

Description of Work to be Performed

- 1) 81 exhaust clamps leaking
2) 81 exhaust clamps are leaking
3) Brake clip on L/R gear cracked
4) PWD upper through bolt is leaking at 82 cylinder
5) ICA CD Guardian System Inspection
6) Muffler support brace is cracked
7) Preliminary inspection
8) 88 brake linings worn

Maintenance/Repairs Performed

- 1) 81 exhaust clamps leaking

Replaced 81 exhaust clamps P/N 219-005 with new IAW DA40-180 AMM ch. 78-00-00

- 2) 81 exhaust clamps are leaking

Replaced 81 exhaust clamps P/N 219-005 with new IAW DA40-180 AMM ch. 78-00-00

- 3) Brake clip on L/R gear cracked

Installed new brake clip P/N 430420_1 with Loctite EA 608 per adhesive package instructions

- 4) PWD upper through bolt is leaking at 82 cylinder

Verified crankcase Ford upper and lower through bolt torque IAW Lycoming 10-140-MIA O/W manual 72-00-04

- 5) ICA CD Guardian System Inspection

Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 452 system at required aircraft inspection per CD Guardian, 03-452-201, Rev. P, par. 7.6 and 8.6. Next Due APTT: 10941.2

- 6) Muffler support brace is cracked

Installed new muffler support brace P/N DA1-7806-20-01 IAW DA40-180 AMM 78-00-00.

- 7) Preliminary inspection

C/W preliminary inspection, no defects noted.

- 8) 88 brake linings worn

Installed new linings P/N 07-20212 IAW Cleveland manual sect 200.

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 01129

WOF: 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

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

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

Labor

Job No.	Part No.	Description	Serial No.	Cost	Sub Total					
1	001-10	Sheffield, M.	0.3	000-41	Sumner, J.	2.3	002-10	Cooperider, I.	1.3	001-11
2	001-12									

Parts Used

Qty	Part No.	Description	Serial No.	Cost	Sub Total
2	229-005	CLAMP ASSY DIAMOND ONLY		81.69	163.38
2	229-009	CLAMP ASSY DIAMOND ONLY		81.69	163.38
1	DA1-7804-20-01	MUFFLER BRACE		66.24	66.24
2	07-20212	BRAKE LININGS, DA-40		13.57	27.14
1	430420_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. Particular 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-M-F107, Rev- FAA-CRS B4VR470K

Work Order Totals

Labor	598.33
Parts	444.96
TOTAL:	1,043.29

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 01129

WOF: 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

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

A/C Total Time: 10904.8
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) EVENT 84 IAW CAA Progressive Insp
2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 84 IAW CAA Progressive Insp

I certify that in accordance with CAA Progressive Inspection Program Inspection 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 82 2019-19-07 Fuel Injector Lines Inspection IAW Lycoming MSB 3430. (NEXT DUE APTT: 11004.8)
141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-04 for this aircraft.

POWERPLANT:
Engine Cylinders Compression: 81- (70 /80)Psi, 82- (76 /80)Psi, 83- (78 /80)Psi, 84- (78/80)Psi

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00. (Next Due: 05/01/2019)

Labor

Job No.	Part No.	Description	Serial No.	Cost	Sub Total					
1	001-10	Sheffield, M.	0.3	000-41	Sumner, J.	2.3	002-10	Cooperider, I.	1.3	001-11
2	001-12									

Parts Used

Qty	Part No.	Description	Serial No.	Cost	Sub Total
1	000-13	OIL FILTER		15.42	15.42
1	000-15	OIL SAMPLE KIT		0.50	0.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUANT		4.46	31.22

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: 4/1/19 Signed: *[Signature]*
5030 East Falcon Dr. Mesa AZ 85215 Form: KFF-M-F107, Rev- FAA-CRS B4VR470K

Work Order Totals

Labor	1,095.33
Parts	55.34
TOTAL:	1,150.67

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 01336

WO#: 2019 01337

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

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

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

Description of Work to be Performed

- 1) 83 rocker cover gasket needs replaced
- 2) Alternator quit working on run-up
- 3) 30A CD Guardian System Inspection
- 4) Left brake linings are worn
- 5) Left main tire has two flat spots.
- 6) Preliminary inspection.
- 7) Portion of door seal loose on pilot's side

Maintenance Repairs Performed

- 1) 83 rocker cover gasket needs replaced
A/C Tach Time:
Installed new rocker cover gasket P/N 71924 IAN Looking O/W was not 4
- 2) Alternator quit working on run-up
A/C Tach Time:
Found broken wire at field connection installed new terminal and as needed no further defects found.
- 3) 30A CD Guardian System Inspection
A/C Tach Time:
Performed Periodic Scheduled Preventative Maintenance test/checks and visual inspection of Aero 452 system as required aircraft inspection per CD Guardian, 83-412-201, Rev. P, par. 7.0 and 8.0. Next Due MFT: 10954.9
- 4) Left brake linings are worn
A/C Tach Time:
Replaced L/W brake linings with new P/N 87-20212 IAN Cleveland MM sec. 200.
- 5) Left main tire has two flat spots.
A/C Tach Time:
Repaired L/W main tire and installed new tire P/N 872-314-0 and tube P/N 892-500-0 IAN Cleveland MM sec. 300.
- 6) Preliminary inspection.
A/C Tach Time:
C/W preliminary inspection. No further defects noted.
- 7) Portion of door seal loose on pilot's side
A/C Tach Time:
Repaired door seal using RTV

Labor

Edwards, D. 4.2 004:11 | Brunner, J. 2.4 002:34
5.1 5:04

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 01337

WO#: 2019 01337

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

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

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

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	71924	Valve/Rocker Cover Gasket		2.00	2.00
1	892-500-0	TIRE INNER, 60004		49.09	49.09
2	87-20212	BRK LININGS, DA-40		13.67	27.34
1	872-314-0	TIRE 6.00 X 6.4 PLY MICHELIN OAS		49.11	49.11
1	892-500-0	WHT 1/4 - 28 200P LOCKING		2.00	2.00

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: 4/1/19

Signed: [Signature]

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

Work Order Totals

Labor 493.50
Parts 169.76
TOTAL: 663.26

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 01337

WO#: 2019 01545

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

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

A/C Total Time: 10956.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5511.4
LT Prop T.T.: 6084.0

Description of Work to be Performed

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

Maintenance/Repairs Performed

- 1) EVENT #1 IAW CAE Progressive IEP
A/C Tach Time:
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 IAW Tycoing MFR 3420, 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-07 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 H6406 570-1400 Revision AA
Battery Expiration Date for ELT Transmitter is: (09/2021).
Remote switch battery if applicable, expires: (10/2020).
Next ELT Annual Inspection due: (02/2020).
ELT Registration if applicable: (02/23/2020).

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. Ch. 26-00-00.
(Next Due: 05/15/2019)

Labor

Edwards, D. 4.2 004:11 | Brunner, J. 2.4 002:34
6.6 6:47

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	CH48110	OIL FILTER		13.42	13.42
1	AOA1110	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DROW 15W50 DISPENSE BY QUART		4.46	31.22

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: 4/15/19

Signed: [Signature]

5030 East Falcon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - 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 01548

Date Started: 14 APR 2019
Date Completed: 15 APR 2019Reg#: 41748
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4373.0**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10058.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5511.4
LT Prop T.T.: 6084.0

Description of Work to be Performed

- 1) Preliminary Inspection.
- 2) ICA CO Guardian System Inspection.
- 3) RT Eng. T.T. - 40 032
- 4) RT Prop. T.T. - 6084.0
- 5) LT Eng T.T. - 5511.4
- 6) LT Prop T.T. - 6084.0
- 7) RT Eng T.T. - 5511.4
- 8) RT Prop T.T. - 6084.0
- 9) LT Eng T.T. - 5511.4
- 10) LT Prop T.T. - 6084.0

Maintenance/Repairs Performed

- 1) Preliminary Inspection.
- 2) ICA CO Guardian System Inspection.
- 3) RT Eng. T.T. - 40 032
- 4) RT Prop. T.T. - 6084.0
- 5) LT Eng T.T. - 5511.4
- 6) LT Prop T.T. - 6084.0
- 7) RT Eng T.T. - 5511.4
- 8) RT Prop T.T. - 6084.0
- 9) LT Eng T.T. - 5511.4
- 10) LT Prop T.T. - 6084.0

WO#: 2019 01548

Date Started: 14 APR 2019
Date Completed: 15 APR 2019Reg#: 41748
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4373.0**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 10058.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5511.4
LT Prop T.T.: 6084.0

- 1) Preliminary Inspection.
- 2) ICA CO Guardian System Inspection.
- 3) RT Eng. T.T. - 40 032
- 4) RT Prop. T.T. - 6084.0
- 5) LT Eng T.T. - 5511.4
- 6) LT Prop T.T. - 6084.0
- 7) RT Eng T.T. - 5511.4
- 8) RT Prop T.T. - 6084.0
- 9) LT Eng T.T. - 5511.4
- 10) LT Prop T.T. - 6084.0

Maintenance/Repairs Performed

- 1) Preliminary Inspection.
- 2) ICA CO Guardian System Inspection.
- 3) RT Eng. T.T. - 40 032
- 4) RT Prop. T.T. - 6084.0
- 5) LT Eng T.T. - 5511.4
- 6) LT Prop T.T. - 6084.0
- 7) RT Eng T.T. - 5511.4
- 8) RT Prop T.T. - 6084.0
- 9) LT Eng T.T. - 5511.4
- 10) LT Prop T.T. - 6084.0

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 01548

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 01548

WO#: 2019 01879

Date Started: 03 MAY 2019
Date Completed: 04 MAY 2019Reg#: 41748
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4440.0**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 11023.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5578.4
LT Prop T.T.: 6151.0

Description of Work to be Performed

- 1) EVENT 01 IAW CAE Progressive INSPECTION
- 2) Fire Extinguisher 30 Day Visual Inspection

Maintenance/Repairs Performed

- 1) EVENT 01 IAW CAE Progressive INSPECTION
- 2) Fire Extinguisher 30 Day Visual Inspection

Labor

Summary	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Summary	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	CH40110	OIL FILTER		15.42	15.42
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	510041184	OIL OILW 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. Pertinent details of the repair/inspection are on file at CAE Oxford Aviation Academy, Phoenix Inc. Sited under this Work Order.

Date: 5/4/19 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 2019 01879

WO#: 2019 01880

Date Started: 03 MAY 2019
Date Completed: 04 MAY 2019Reg#: 41748
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4440.0**CAE Oxford**
Aviation Academy PhoenixForm KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 11023.5
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5578.4
LT Prop T.T.: 6151.0

Description of Work to be Performed

- 1) Preliminary Inspection.
- 2) ICA CO Guardian System Inspection
- 3) Left mag needs to be retimed.
- 4) Upper exhaust clamp on cylinder #2 blow by.

Maintenance/Repairs Performed

- 1) Preliminary Inspection.
- 2) ICA CO Guardian System Inspection
- 3) Left mag needs to be retimed.
- 4) Upper exhaust clamp on cylinder #2 blow by.

Labor

Summary	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Summary	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0

Parts Used

QTY	Part#	Description	Serial#	Cost	Sub Total
1	229-005	CLAMP ASST DIAMOND ONLY		75.86	75.86

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.

Date: 5/4/19 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 2019 01880

WO#: 2019 02079

Date Started: 15 MAY 2019

Date Completed: 16 MAY 2019

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4499.1

CAE Oxford
Aviation Academy Phoenix

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

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

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

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 engine and landing gear were performed and are approved for return to service.

C/W AD 2018-19-07 Fuel Injector Lines Inspection IAW Lycoming MSB 1420 (NEXT DUE APT: 11192.4)

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-11 for this aircraft.

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-40-180 A.M.N. Ch. 26-00-00. (Next Due: 04/28/2020)

Labor

Page#	J.	1.3	001.10	Lawyer, S.	2.5	002.20	Start, D.	1.4	001.10
12.7 12.19									

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	800110	OIL SAMPLER KIT		6.50	6.50
1	550041184	OIL DRUM 15W50 DISPENSE BY QUART		3.29	3.29
1	0049110	OIL FILTER		15.42	15.42

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 S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4499.1

CAE Oxford
Aviation Academy Phoenix

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

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

Description of Work to be Performed

- 1) 100 RPM Idle Run
- 2) 100 RPM Idle Run
- 3) 100 RPM Idle Run
- 4) 100 RPM Idle Run
- 5) 100 RPM Idle Run
- 6) 100 RPM Idle Run
- 7) 100 RPM Idle Run
- 8) 100 RPM Idle Run
- 9) 100 RPM Idle Run
- 10) 100 RPM Idle Run

Maintenance/Repairs Performed

- 1) 100 RPM Idle Run

Adjusted mixture valve within limits as needed.

- 2) 100 RPM Idle Run

Performed Periodic Scheduled Representative Maintenance test/checks and visual inspection of Avionics system on equipped aircraft inspection per CD Standard, 01-452-201, Rev. P, par. 7.8 and 8.8. Next Due APT: 11192.4

- 3) 100 RPM Idle Run

Installed new snap ring P/N: 151-00100 IAW Diamond DA40-180 AMM ch. 12-40-00.

- 4) 100 RPM Idle Run

Adjusted idle within limits as needed.

- 5) 100 RPM Idle Run

Installed new HLD stop plate P/N: D41-1231-00-01 IAW Diamond DA40-180 AMM ch. 12-40-00 part.

- 6) 100 RPM Idle Run

Re-torqued prop governor nuts as required.

- 7) 100 RPM Idle Run

Removed and replaced rubber adjustment cable with new P/N: DA4-2733-24-00 IAW Diamond DA40 AMM 27-20-00.

- 8) Preliminary inspection

C/W prelin. 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 S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4499.1

CAE Oxford
Aviation Academy Phoenix

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

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

- 1) 100 RPM Idle Run

removed RH tire replaced tire PW 072-314-0 and tube PW 072-500-0 tire and tube replaced IAW OM sec 300 replaced grease felt and grease ring P/N 154-01400 and 153-00900

Labor

Page#	J.	1.3	001.10	Lawyer, S.	2.5	002.20	Start, D.	1.4	001.10
5.4 5:20									

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	072-314-0	TIRE 6.00 X 6.4 PLY MICHELIN DA40		80.11	80.11
2	154-01400	AND TX MAIN TIRE		7.10	14.20
4	153-00900	RING, GREASE WHEELS		13.49	53.96
1	D41-1231-00-01	DA-40 HLD Stop Plate		139.16	139.16
1	155-00100	Wheel Bearing Snap Ring		5.07	5.07
1	DA4-2733-24-00	RUBBER ADJUSTMENT CABLE		45.89	45.89
1	072-500-0	TUBE INNER, 4000x		60.09	60.09

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 02305

Date Started: 29 MAY 2019

Date Completed: 29 MAY 2019

Reg#: 4174B
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4561.7

CAE Oxford
Aviation Academy Phoenix

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

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

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

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 engine were performed and are approved for return to service.

C/W AD 2015-19-07 Fuel Injector Lines Inspection IAW Lycoming MSB 1420 (NEXT DUE APT: 11245.2)

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-11 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: 01- (77/80)Psi, 02- (76/80)Psi, 03- (74/80)Psi, 04- (74/80)Psi

- 2) Fire Extinguisher 30 Day Visual Inspection

Complied with fire extinguisher 30 day visual inspection IAW Diamond DA-40-180 A.M.N. Ch. 26-00-00. (Next Due: 04/28/2019)

Labor

Page#	J.	1.3	001.10	Lawyer, S.	2.5	002.20	Start, D.	1.4	001.10
7.1 7:03									

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	0049110	OIL FILTER		15.42	15.42
1	ADAL151	OIL SAMPLER KIT		8.50	8.50
1	550041184	OIL DRUM 15W50 DISPENSE BY QUART		4.47	31.29
1	0049110	CRUSH GASKET SPARK PLUG, 1000P		0.71	5.69

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 02305

WO#: 2019 02713

Date Started: 17 JUN 2019
Date Completed: 19 JUN 2019Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4879.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 11283.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5818.2
LT Prop T.T.: 6300.8

Description of Work to be Performed

1) EVENT #3 IAW CRB Progressive 1289

Maintenance/Repairs Performed

1) EVENT #3 IAW CRB Progressive 1289

I certify that in accordance with CRB Progressive Inspection Program dated 17-MAY-2019 INSPECTION EVENT # 3, a routine inspection of airframe and a detailed inspection of engine/propeller were performed and are approved for return to service.

C/W AD 2018-12-07 Fuel Injector Line Inspection IAW Lycoming M20 1420. (NEXT DUE AFTT: 11183.3)

141 Flight School ATP AD Status Sheets Reviewed and PAA Bi-Weekly Checked Through 2019-13 for this aircraft.

POWERPLANT:

Engine Cylinders Compression: #1: 170 /101/142, #2: 170 /101/142, #3: 177 /101/142, #4: 177 /101/142

Labor

Seymour, S. 4.4 001-14 Drummer, J. 5.8 001-09

5.4 6.14

Parts Used

Qty	Part#	Description	Serials	Cost	Sub Total
1	CH8111	OIL FILTER		13.43	13.43
1	NW1111	OIL SAMPLE KIT		8.50	8.50
1	5504114	OIL DRAIN 15W/50 DISPENSER BY QUART		6.47	31.25

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

Work Order Totals

Labor: 656.67
Parts: 53.41
TOTAL: 710.08

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 02713

WO#: 2019 02714

Date Started: 17 JUN 2019
Date Completed: 19 JUN 2019Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4879.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 11283.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5818.2
LT Prop T.T.: 6300.8

Description of Work to be Performed

1) EVENT #3 IAW CRB Progressive 1289

1) Foreign metal found in oil suction screen.

2) Fuel servo mixture spring and bracket ground.

3) Fuel pump drain hard line not fitted at end.

4) Fuel pump drain rubber hose dry rotted.

5) LH magnet replacement.

6) Preliminary inspection.

7) R/R magnet replacement.

8) Tach sensor wires broken at base.

Maintenance/Repairs Performed

1) EVENT #3 IAW CRB Progressive 1289

Complied with 480 hour inspection IAW CRB Progressive 1289.

2) Foreign metal found in oil suction screen.

POWERPLANT:
Cut open oil filter, no defects. All analysis current and previous show no propertion to be out of limits. "OK" any time in propertion, performed engine ground run up and found no defects.

3) Fuel servo mixture spring and bracket ground.

AIRFRAME:
Installed new bracket P/N 041-7126-00-01, 3 and spring P/N 0031122 IAW Diamond DA40-119 AMM ch. 73-13-02.

4) Fuel pump drain hard line not fitted at end.

AIRFRAME:
Fitted drain line and secured as needed. Op's check good no leaks.

5) Fuel pump drain rubber hose dry rotted.

AIRFRAME:
Upon further inspection found fuel drain to be serviceable.

6) LH magnet replacement.

AIRFRAME:
Removed tired out LH mag (P/N 4347 R/W 1700000) and installed a repaired LH mag (P/N 4347 R/W 10120337) IAW 10-140-MIA O/W manual 72-40-03.

7) Preliminary inspection.

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

8) R/R magnet replacement.

AIRFRAME:
removed tired out RH mag (P/N 4370 R/W 18041397) and installed a repaired R/H mag (P/N 4370 R/W 02041037) IAW 10-140-MIA O/W manual 72-40-03.

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 02714

WO#: 2019 02714

Date Started: 17 JUN 2019
Date Completed: 19 JUN 2019Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4879.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 11283.3
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 5818.2
LT Prop T.T.: 6300.8

8) Tach sensor wires broken at base.

AIRFRAME:

Replaced tach sensor with serviceable tach sensor P/N 0406-002-0129 as needed.

Labor

Seymour, S. 1.3 001-14 Drummer, J. 4.3 004-09

5.4 5.23

Parts Used

Qty	Part#	Description	Serials	Cost	Sub Total
1	0406-002-WIP	SENSOR TACHOMETER DA-40/43		951.45	951.45
2	LW12481	GALEET, MAGNETO, LYCOMING		1.43	2.86
1	PR-08504	ALF PILCAY DA40/43		105.13	105.13
1	AL81013A6	BRUSH SET ASBY, ALTERNATOR		20.09	20.09
1	82-043E-12X	SPRING		3.42	3.42
1	041-7326-00-01_3	40/42 Mixture Spring Bracket		15.44	15.44
1	4347	MAGNETO DA 40/42 SLICK	10120337	525.00	525.00
1	4370	MAGNETO RIGHT SLICK	18091004	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. filed 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

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 02714

WO#: 2019 02980

Date Started: 01 JUL 2019
Date Completed: 02 JUL 2019Reg#: 4174B
AC SN: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4741.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/C Total Time: 11324.6
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

1) EVENT #3 IAW CRB Progressive 1289

AIRFRAME:

I certify that in accordance with CRB 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 2018-12-07 Fuel Injector Line Inspection IAW Lycoming M20 1420. (NEXT DUE AFTT: 11,474.9)

141 Flight School ATP AD Status Sheets Reviewed and PAA Bi-Weekly Checked Through 2019-13 for this aircraft.

Labor

Orr, C. 8.5 005-24 Garcia, G. 4.7 004-37 Robbins, M. 3.3 003-10

14.9 14.53

Parts Used

Qty	Part#	Description	Serials	Cost	Sub Total
1	ACH111	OIL SAMPLE KIT		8.50	8.50
1	5504114	OIL DRAIN 15W/50 DISPENSER BY QUART		4.47	31.39
1	CH8110-1	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. filed 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: 1,474.17
Parts: 55.62
TOTAL: 1,529.79

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 02980

WOF: 2019 02981

Date Started: 01 JUL 2019
Date Completed: 02 JUL 2019Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4741.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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

Description of Work to be Performed

- 1) 100% inspection for structure attachment.
- 2) 100% inspection above 200 on post run.
- 3) Preliminary inspection.
- 4) 80% inspection on 100% inspection.
- 5) 100% inspection on 100% inspection.
- 6) 100% inspection on 100% inspection.

Maintenance/Repairs Performed

- 1) 100% inspection for structure attachment.
- 2) 100% inspection above 200 on post run.
- 3) Preliminary inspection.
- 4) 80% inspection on 100% inspection.
- 5) 100% inspection on 100% inspection.
- 6) 100% inspection on 100% inspection.
- 7) 100% inspection on 100% inspection.
- 8) 100% inspection on 100% inspection.
- 9) 100% inspection on 100% inspection.
- 10) 100% inspection on 100% inspection.
- 11) 100% inspection on 100% inspection.
- 12) 100% inspection on 100% inspection.
- 13) 100% inspection on 100% inspection.
- 14) 100% inspection on 100% inspection.
- 15) 100% inspection on 100% inspection.
- 16) 100% inspection on 100% inspection.
- 17) 100% inspection on 100% inspection.
- 18) 100% inspection on 100% inspection.
- 19) 100% inspection on 100% inspection.
- 20) 100% inspection on 100% inspection.
- 21) 100% inspection on 100% inspection.
- 22) 100% inspection on 100% inspection.
- 23) 100% inspection on 100% inspection.
- 24) 100% inspection on 100% inspection.
- 25) 100% inspection on 100% inspection.
- 26) 100% inspection on 100% inspection.
- 27) 100% inspection on 100% inspection.
- 28) 100% inspection on 100% inspection.
- 29) 100% inspection on 100% inspection.
- 30) 100% inspection on 100% inspection.
- 31) 100% inspection on 100% inspection.
- 32) 100% inspection on 100% inspection.
- 33) 100% inspection on 100% inspection.
- 34) 100% inspection on 100% inspection.
- 35) 100% inspection on 100% inspection.
- 36) 100% inspection on 100% inspection.
- 37) 100% inspection on 100% inspection.
- 38) 100% inspection on 100% inspection.
- 39) 100% inspection on 100% inspection.
- 40) 100% inspection on 100% inspection.
- 41) 100% inspection on 100% inspection.
- 42) 100% inspection on 100% inspection.
- 43) 100% inspection on 100% inspection.
- 44) 100% inspection on 100% inspection.
- 45) 100% inspection on 100% inspection.
- 46) 100% inspection on 100% inspection.
- 47) 100% inspection on 100% inspection.
- 48) 100% inspection on 100% inspection.
- 49) 100% inspection on 100% inspection.
- 50) 100% inspection on 100% inspection.
- 51) 100% inspection on 100% inspection.
- 52) 100% inspection on 100% inspection.
- 53) 100% inspection on 100% inspection.
- 54) 100% inspection on 100% inspection.
- 55) 100% inspection on 100% inspection.
- 56) 100% inspection on 100% inspection.
- 57) 100% inspection on 100% inspection.
- 58) 100% inspection on 100% inspection.
- 59) 100% inspection on 100% inspection.
- 60) 100% inspection on 100% inspection.
- 61) 100% inspection on 100% inspection.
- 62) 100% inspection on 100% inspection.
- 63) 100% inspection on 100% inspection.
- 64) 100% inspection on 100% inspection.
- 65) 100% inspection on 100% inspection.
- 66) 100% inspection on 100% inspection.
- 67) 100% inspection on 100% inspection.
- 68) 100% inspection on 100% inspection.
- 69) 100% inspection on 100% inspection.
- 70) 100% inspection on 100% inspection.
- 71) 100% inspection on 100% inspection.
- 72) 100% inspection on 100% inspection.
- 73) 100% inspection on 100% inspection.
- 74) 100% inspection on 100% inspection.
- 75) 100% inspection on 100% inspection.
- 76) 100% inspection on 100% inspection.
- 77) 100% inspection on 100% inspection.
- 78) 100% inspection on 100% inspection.
- 79) 100% inspection on 100% inspection.
- 80) 100% inspection on 100% inspection.
- 81) 100% inspection on 100% inspection.
- 82) 100% inspection on 100% inspection.
- 83) 100% inspection on 100% inspection.
- 84) 100% inspection on 100% inspection.
- 85) 100% inspection on 100% inspection.
- 86) 100% inspection on 100% inspection.
- 87) 100% inspection on 100% inspection.
- 88) 100% inspection on 100% inspection.
- 89) 100% inspection on 100% inspection.
- 90) 100% inspection on 100% inspection.
- 91) 100% inspection on 100% inspection.
- 92) 100% inspection on 100% inspection.
- 93) 100% inspection on 100% inspection.
- 94) 100% inspection on 100% inspection.
- 95) 100% inspection on 100% inspection.
- 96) 100% inspection on 100% inspection.
- 97) 100% inspection on 100% inspection.
- 98) 100% inspection on 100% inspection.
- 99) 100% inspection on 100% inspection.
- 100) 100% inspection on 100% inspection.

Labor

Category	Rate	Hours	Amount
1	7.4	7.22	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	WEEK 13	WEEK 13		0.00	0.00
1	WEEK 13	WEEK 13		0.00	0.00
1	WEEK 13	WEEK 13		1,239.00	1,239.00

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 02981

WOF: 2019 02981

Date Started: 01 JUL 2019
Date Completed: 02 JUL 2019Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4741.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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

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: 7/12/19 Signed: [Signature]

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

Work Order Totals

Labor	736.67
Parts	1,239.00
TOTAL:	1,975.67

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 02981

WOF: 2019 03208

Date Started: 13 JUL 2019
Date Completed: 13 JUL 2019Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4798.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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

Description of Work to be Performed

- 1) EVENT 84 IAW CAE Progressive INSPECTION

Maintenance/Repairs Performed

- 1) EVENT 84 IAW CAE Progressive INSPECTION
- 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 engine/propeller were performed and are approved for return to service. C/W AD 2015-19-07 fuel injector lines inspection IAW Lycoming MSB 1420. (NEXT DUE APPT: 11,483.2) 141 Flight School ATP 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- (78/80)Psi, 84- (76/80)Psi

Labor

Rate	8.9	0.00	0.00	0.00
Category	Rate	Hours	Amount	
1	8.9	0.00	0.00	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	ACAL151	OIL SAMPLE KIT		8.50	8.50
7	55041184	OIL DRUM 15W50 DISPENSE BY QUART		4.47	31.29
1	CH48110-3	OIL FILTER		15.83	15.83

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. 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	888.33
Parts	55.62
TOTAL:	943.95

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 03208

WOF: 2019 03209

Date Started: 13 JUL 2019
Date Completed: 13 JUL 2019Reg#: 4174B
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4798.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS B4VR470KA/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

Description of Work to be Performed

- 1) Elevator trim block tight
- 2) RTA squawk: Inner (small) FMS knob is not working. Would not let me change mini on TT NR/ ref pg. - 10'
- 3) Preliminary inspection.
- 4) Safety wire missing on ALT bolt.
- 5) Starter switch loose.
- 6) Steering stop plate cracked

Maintenance/Repairs Performed

- 1) Elevator trim block tight
 - 2) RTA squawk: Inner (small) FMS knob is not working. Would not let me change mini on TT NR/ ref pg. - 10'
 - 3) Preliminary inspection.
 - 4) Safety wire missing on ALT bolt.
 - 5) Starter switch loose.
 - 6) Steering stop plate cracked
- Replaced elevator trim friction block with new P/N DA4-2718-10-50 IAW Diamond DA40-180 AMM CH 27-18-00
- Removed MFD P/N 011-00972-03 S/M 88904943 and installed overhauled P/N 011-00972-03 S/M 88902304 per Garmin G1000 SPM sec 6.
- C/W Preliminary inspection no defects noted.
- Safety wired ALT bolt per AC43.13-18
- Tightened starter switch as needed
- Removed cracked plate and installed new stop plate P/N DA4-1223-00-51 per DA40 AMM 32-20-00

Labor

Rate	1.6	0.01	0.01	0.01
Category	Rate	Hours	Amount	
1	1.6	0.01	0.01	

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	DA4-1223-00-51	DA-40 MFD Stop Plate		139.14	139.14
1	DA4-2718-10-50	FRICITION DAMPER BLOCK, DA-42/DA-40		58.60	58.60
1	011-00972-03	GDU 1040 DA 40/42 GARMIN	88902304	1,400.00	1,400.00

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 03209

WO#: 2019 03209

Date Started: 13 JUL 2019

Date Completed: 13 JUL 2019

Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4798.8

CAE Oxford
Aviation Academy Phoenix

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: 7/13/2019 Signed: *Bruce L. Smith*
5030 East Falcon Dr., Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K

Work Order Totals

Labor: \$10.00
Parts: \$1,587.74
TOTAL: \$1,597.74

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 03209

WO#: 2019 03631

Date Started: 14 JAN 2020

Date Started: 03 AUG 2019

Date Completed: 10 AUG 2019

Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4809.5

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 11443.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5907.0
LT Prop. T.T.: 6570.5

Description of Work to be Performed

- 1) Preliminary inspection.
- 2) Alternator field wire and fuel pressure wire chafing at alternator.
- 3) Bulk seat reading light WIP.
- 4) Cockpit rug shredded.
- 5) WIP displays and 8 in every indicator.
- 6) Pilot rug shredded.
- 7) Rubber bellcrank cable bushing worn/ballcrank to rudder cable.
- 8) Rubber cable replacement, ballcrank to rudder pair (non-reg).
- 9) Upon reassembly, floor light molen connector was broken.
- 10) Upon reassembly, rear seat forward bolts were discovered to be incorrect length and were bottoming out in seat plate.

Maintenance/Repairs Performed

- 1) Preliminary inspection.
- 2) Alternator field wire and fuel pressure wire chafing at alternator.
- 3) Bulk seat reading light WIP.
- 4) Cockpit rug shredded.
- 5) WIP displays and 8 in every indicator.
- 6) Pilot rug shredded.
- 7) Rubber bellcrank cable bushing worn/ballcrank to rudder cable.
- 8) Rubber cable replacement, ballcrank to rudder pair (non-reg).
- 9) Upon reassembly, floor light molen connector was broken.
- 10) Upon reassembly, rear seat forward bolts were discovered to be incorrect length and were bottoming out in seat plate.

Document Revision Date: 09 Apr 2010

Page 1 of 2 for Work Order 2019 03631

WO#: 2019 03631

Date Started: 03 AUG 2019

Date Completed: 10 AUG 2019

Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4850.5

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 11443.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5907.0
LT Prop. T.T.: 6570.5

AIRFRAME

Replaced ballcrank to rudder rudder cable pair with new cable PW 6P12179 stretched, spools PW 05-THL-12-12 and swages PW 05-THL-49. Sealed cable IAW AC 43.13-18. Ripped and adjusted rudder travel and cable tensions IAW Diamond DA40-180 AMM Ch 06-00 and 27-20. Operational and travel check satisfactory.

9) Upon reassembly discovered floor light molen connector was broken.

AIRFRAME

Removed and replaced molen connector w/ new P/N: 1-480219 as required.

10) Upon reassembly, rear seat forward bolts were discovered to be incorrect length and were bottoming out in seat plate.

AIRFRAME

Replaced bolts with new proper size bolts P/N: LM9037-MX18 and LM9037-MX20.

GENERAL

replaced bolts with new proper size bolts P/N: LM9037-MX18 and LM9037-MX20.

Labor

Staff, D. 2.0 003:00 Jones, D. 1.3 001:10 Keryhev, T. 20.8 010:40 Duke, D. 4.0 005:10

Shaw, D. 7.9 007:50

37.9 37.49

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	SWT-1/8	SPIRAL WRAP 1/8 INCH		1.65	1.65
1	11-03109	HEAT SHRINK TUBE 1/2"		0.50	0.50
1/2	DA-40 CABRET	DA-40 CABRET SET		14.98	14.98
1/2	DA-40 CABRET	DA-40 CABRET SET		14.98	14.98
4	DV2-5540-00-06	BUSHING AIRFRAME		9.94	39.84
30	SP12579STRETCHED	Diamond Rudder Cable (1/8" Dia. Stretched)		3.78	113.40
8	SL2-49	SLEEVE CONTROL CABLE		2.52	20.16
8	DE-THL-12-12	Control Cable Thimble		6.00	48.00
1	LM9037-MX20	BOLT, DA-40 OUTSIDE STEP BOLT		4.39	4.39
1	1K099	CABLE TIES 5.5 IN, 100PK		0.23	0.23
1	1K094	7.3 IN MEDIUM TT-RAP		36.77	36.77
1	1-480219	2 Position Molen Connector (Male)		1.36	1.36
1	LM9037-MX18	BOLT		3.61	3.61

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: 8/10/2019 Signed: *Bruce L. Smith*
5030 East Falcon Dr., Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K

Work Order Totals

Labor: 3,628.83
Parts: 299.87
TOTAL: 3,928.70

Document Revision Date: 09 Apr 2010

Page 2 of 2 for Work Order 2019 03631

WO#: 2019 03669

Date Started: 06 AUG 2019

Date Completed: 10 AUG 2019

Reg#: 41748
AC S/N: 40 032
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4850.5

CAE Oxford
Aviation Academy Phoenix

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

A/C Total Time: 11443.0
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng. T.T.: 5907.0
LT Prop. T.T.: 6570.5

Description of Work to be Performed

- 1) EVENT #1 IAW CAE Progressive INSIP
- 1) EVENT #1 IAW CAE Progressive INSIP
- 1) I certify that in accordance with CAE Progressive Inspection Program dated 17-MAY-2019 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 2019-10-07 Fuel Injector Line Inspection IAW Lycoming M2B 1430. (NEXT DUE APTT: 11,543.0)
- 141 Flight School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2019-16 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 Artek Manual 570-1400/ Revision AD. Battery Expiration Date for ELT Transmitter is: (04 / 2025). Remote switch battery if applicable, expires: (10 / 2020). Next ELT Annual Inspection due: (04 / 2020). ELT Registration if applicable: (04 / 04 / 2021).

Labor

Edwards, D. 0.9 000:47 Green, B. 5.5 005:10 Rahl, J. T. 3.0 007:00 Edwards, A. 3.9 002:14

Garcia, S. 0.8 000:43 Smith, T. 4.0 005:14 Starr, D. 3.0 002:00 Duke, D. 0.3 000:15

Billard, S. 3.4 003:32

20.7 20:37

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: 8/10/2019 Signed: *Bruce L. Smith*
5030 East Falcon Dr., Mesa AZ 85215 Form KFF-M-F107, Rev. FAA-CRS B4VR470K

Work Order Totals

Labor: 2,764.83
Parts: 299.87
TOTAL: 2,764.83

Document Revision Date: 09 Apr 2010

Page 1 of 1 for Work Order 2019 03669

WOF: 2019 04099

Date Started: 29 AUG 2019
Date Completed: 30 AUG 2019Reg#: 41748
AC S/N: 40 932
MFG: DIAMOND
Model: DA-40
A/C Tach Time: 4912.7

CAE Oxford

Aviation Academy Phoenix

Form NFF-M-F107, Rev.
FAA-CRS 84VR470KA/C Total Time: 11468.2
RT Eng T.T.:
RT Prop T.T.:
LT Eng T.T.: 6051.1
LT Prop T.T.: 6623.7

Description of Work to be Performed

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

21.

22.

23.

24.

25.

26.

27.

28.

29.

30.

31.

32.

33.

34.

35.

36.

37.

38.

39.

40.

41.

42.

43.

44.

45.

46.

47.

48.

49.

50.

51.

52.

53.

54.

55.

56.

57.

58.

59.

60.

61.

62.

63.

64.

65.

66.

67.

68.

69.

70.

71.

72.

73.

74.

75.

76.

77.

78.

79.

80.

81.

82.

83.

84.

85.

86.

87.

88.

89.

90.

91.

92.

93.

94.

95.

96.

97.

98.

99.

100.

101.

102.

103.

104.

105.

106.

107.

108.

109.

110.

111.

112.

113.

114.

115.

116.

117.

118.

119.

120.

121.

122.

123.

124.

125.

126.

127.

128.

129.

130.

131.

132.

133.

134.

135.

136.

137.

138.

139.

140.

141.

142.

143.

144.

145.

146.

147.

148.

149.

150.

151.

152.

153.

154.

155.

156.

157.

158.

159.

160.

161.

162.

163.

164.

165.

166.

167.

168.

169.

170.

171.

172.

173.

174.

175.

176.

177.

178.

179.

180.

181.

182.

183.

184.

185.

186.

187.

188.

189.

190.

191.

192.

193.

194.

195.

196.

197.

198.

199.

200.

201.

202.

203.

204.

205.

206.

207.

208.

209.

210.

211.

212.

213.

214.

215.

216.

217.

218.

219.

220.

221.

222.

223.

224.

225.

226.

227.

228.

229.

230.

231.

232.

233.

234.

235.

236.

237.

238.

239.

240.

241.

242.

243.

244.

245.

246.

247.

248.

249.

250.

251.

252.

253.

254.

255.

256.

257.

258.

259.

260.

261.

262.

263.

264.

265.

266.

267.

268.

269.

270.

271.

272.

273.

274.

275.

276.

277.

278.

279.

280.

281.

282.

283.

284.

285.

286.

287.

288.

289.

290.

291.

292.

293.

294.

295.

296.

297.

298.

299.

300.

301.

302.

303.

304.

305.

306.

307.

308.

309.

310.

311.

312.

313.

314.

315.

316.

317.

318.

319.

320.

321.

322.

323.

324.

325.

326.

327.

328.

329.

330.

331.

332.

333.

334.

335.

336.

337.

338.

339.

340.

341.

342.

343.

344.

345.

346.

347.

348.

349.

350.

351.

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: CH377028 with TT: 6688.0 SMOH: 1629.2

was removed from N4174B for grease leaking from blade

Ata Ford CRSH B41U R470X

03 OCT 2019
TTSN 6688.0 TTSO 1629.2
Resealed.
Refer to work order # 14246
and 8130-3 # 39015

Blum

Brooke Warner
Warner Propeller Tucson, AZ
FAA CRS# W59R659N



WO#: 2020 00234

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.
FAA-CRS B4VR470K

Date Started: 14 JAN 2020
Date Completed: 04 FEB 2020

A/C Total Time: 1283.8
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 1283.8
LT Prop T.T.: 0008.0

Description of Work to be Performed

- 1) AD 2016-13-08 - Wing spar - APTT - 100-Hr - 1 of 2
- 2) AD 2015-19-07 - Fuel Injection Lines Inspection
- 3) XPT Bulkhead roller composite damage
- 4) All 3 elevator roller are cracked through
- 5) Alternate air control cable secured/ re-routed
- 6) Alternator Brush Replacement
- 7) Annual/100 Hour Inspection (10 Hr) (APTT) 1 of 2
- 8) Annual/100 Hour Inspection (10 Hr) (Date) 2 of 2
- 9) Bonding and Static Discharging Systems Check (1000 Hour)
- 10) Both forward and ATT stabilizer mounts require corrosion preventative treatment
- 11) Both rear passenger windows appear to need to be re-sealed.
- 12) Bottom and middle RU MLD Brake Cable clips need to be replaced
- 13) Bottom of Ball Air Ventilation Switch



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER

WORK ORDER #

14246

CUSTOMER/AIRCRAFT INFORMATION

CUSTOMER

Name CAE Oxford Aviation Academy
Address 5030 E. Falcon Dr.
City/State/Zip Mesa, AZ 85215
Contact person Parts Department
Phone 480-951-4288 EXT 1154

AIRCRAFT

Aircraft model DA40
Aircraft serial 40.932
Engine model IO-360-M1A
Registration N417AB
Date received 19 SEP 2019

COMPONENT INFORMATION

Component(s) Propeller
Model(s)/Part(s) HC-C2YR-1BF
Serial(s) CH37702B
Reason for repair Leaks grease from blades.
Work to be performed Repair as required.

Manufacturer Hartzell
TTSN 6688.0
TTSO 1629.2

WO#: 2020 00234

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 208.8

CAE Oxford
Aviation Academy

Form: KFF-M-F107
FAA-CRS B4VR

- 42) ICA 01000 Cooling Fans Check - Date - 20f2
- 43) ICA 01000, GDU and Cooling Fan Inspection
- 44) ICA 000 74A Test - STC 8A01254V1-D - Date - 20f2
- 45) Idle mixture rise of +140 RPM
- 46) Incorrect lock nuts installed on main wheels. require M21
- 47) L/H and R/H brakes locked without hydraulic pressure
- 48) L/H and R/H brakes locked without hydraulic pressure.
- 49) L/H brake linings worn
- 50) L/H flap preload high
- 51) L/H fuel tank requires calibration
- 52) L/H fuel tank requires leak check for replacement
- 53) L/H middle aileron push-pull tube roller cracked through
- 54) L/H middle push pull tube roller for aileron cracked thro
- 55) L/H rear passenger window needs to be resealed
- 56) L/H tire needs to be converted to fleet standard.
- 57) L/H wing leaking fuel at vent tubes
- 58) L/H wing removed to FOM
- 59) Left MLD section support plate is cracked
- 60) LH brake linings worn.
- 61) LH fuel tank has major leak
- 62) Lower engine cowling has fire retardant paint peeling away
- 63) Main drain collector tube has a broken mount
- 64) Massive leak in pitot system.
- 65) Massive leak in static system.
- 66) middle bulkhead in rear fuselage has a crack (flagged)
- 67) Missing exhaust shroud bracket and support.
- 68) Mixture cable baffle grommet missing
- 69) Mixture control not hitting "rich" stop
- 70) newly installed potentiometer on flood light doesn't din p
- 71) MLD journal bearings in fuselage have play.
- 72) Nose gear fairing cracked.
- 73) Oil Change (With Oil Sample, Non-Reg.)
- 74) Oil Change at 100 Hr (With Oil Sample, Non-Reg.)
- 75) Oil cooler fitting is slight leak
- 76) Passenger door outer skin damaged, upper L/H area.
- 77) Passenger door removed to FOM.
- 78) PAX door aft hinge is cracked.
- 79) Pilot side right master cylinder leaking on top.
- 80) pilots - copilot's seats cushions removed for repair at sit
- 81) Pitot static leak check required for wing reinstall
- 82) R/H fuel tank probe for fuel quantity threads damaged.
- 83) R/H fuel tank requires calibration and leak check.
- 84) R/H fuel tank requires installation of anti-chafe tape bef
- 85) R/H fuel tank requires installation.

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.
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.: 6688.6

41) Idle mixture wire at 140 WPM

Adjusted idle mixture wire 140 WPM IAW DA-40-180 AMM ch. 71-10-00.

42) Instrument back nuts installed on main wheels, torque 201149-1.

AIRFRAME:

Removed both L/R and R/W main wheel easy p/n to disconnect hardware and installed repaired L/W main wheel easy p/n 2087 Main and repaired R/W main wheel easy p/n 2087 Main IAW DA-40-180 AMM ch. 72-10-00.

43) L/R and R/W brakes locked without hydraulic pressure.

AIRFRAME:

Replaced backing plates p/n 204-0100 IAW Cleveland MM sect. 200.

44) L/R and R/W brakes locked without hydraulic pressure.

AIRFRAME:

Replaced backing plates p/n 204-0100 IAW Cleveland MM sect. 200.

45) L/R brake linings worn.

AIRFRAME:

Replaced L/R brake linings p/n 87-2212 Per Cleveland MM sect. 200.

46) L/R flap preload high.

AIRFRAME:

Adjusted L/R flap preload IAW DA-40-180 AMM ch. 27-10-00 per values IAW DA-40-180 AMM 25-10-00.

47) L/R fuel tank requires calibration.

AIRFRAME:

Complied with L/R fuel tank calibration IAW Garmin G1000 system maintenance manual 190-00545-01 section 4.4.2.

48) L/R fuel tank requires leak check for replacement.

AIRFRAME:

Performed leak check of L/R fuel tank no defects noted.

49) L/R middle alloy push-pull tube roller cracked through.

AIRFRAME:

Replaced broken roller cage with new p/n DS-853 using rivet p/n DDM-7137-AQK10 2-A2.

50) L/R middle push pull tube roller for alloy cracked through.

AIRFRAME:

Replaced broken roller cage with new p/n DS-853 using rivet p/n DDM-7137-AQK10 2-A2.

51) L/R rear passenger window needs to be resealed.

AIRFRAME:

Resealed L/R rear passenger window using P/N M53160 per DA40 AMM 56-10-00.

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.
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.: 6688.6

40) L/R tire needs to be converted to float standard.

AIRFRAME:

See discrepancy 813 of this W/O for wheel replacement.

41) L/R wing locking fuel at each valve.

AIRFRAME:

Removed L/R wing installed new 111442 clamp p/n 1302055 on L/R fuel tanks. Installed L/R wing IAW DA-40-180 AMM ch. 28-10-00 and 27-10-00.

42) L/R wing removed to P/M.

AIRFRAME:

Reinstalled L/R wing with new wing root seal (P/N: DAI-9997-07-01) and new wing bolt spacer shim (P/N: DAI-9997-07-01) IAW DA-40-180 AMM ch. 27-10-00.

43) Left side fuselage support plate is cracked.

AIRFRAME:

Left side fuselage support plate replaced w/new P/N: DAI-9997-07-01, flexible insert also replaced w/new P/N: 210200-MIL IAW DA-40-180 AMM 22-10-00.

44) L/R brake linings worn.

AIRFRAME:

Replaced L/R brake linings p/n 87-2212 IAW Cleveland MM sect. 200.

45) L/R fuel tank has major leak.

AIRFRAME:

Removed L/R inboard fuel tank P/N DA4-2817-10-00 1 R/W 2812, installed repaired L/R fuel tank P/N DA4-2817-10-00 1 MED 1/W 2812 IAW DA40 AMM ch. 26-10-00. Removed and replaced fuel transducer P/N 3010011-WIP with new.

46) 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.

47) Main drain collector tube has a broken mount.

AIRFRAME:

Secured drain collector tube to the engine cradle w/ adol clamp p/n M211P190011.

48) Massive leak in pitot system.

AIRFRAME:

Installed new tubing p/n 29701-009 behind instrument panel. Leak check IAW DA40 AMM 16-10-00 good.

49) Massive leak in static system.

AIRFRAME:

Installed new tubing p/n 29701-004 behind instrument panel. Leak check IAW DA40 AMM 16-10-00 good.

50) Middle bulkhead in rear fuselage has a crack (flagged).

AIRFRAME:

Repaired Damage Ring (Frame 8), crack composite repaired (IAW) DA40 AMM Sect. 51-10-00 end cure time 4800 hrs of 51-10-20.

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.
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.: 6688.6

57) Missing exhaust shroud bracket and support.

AIRFRAME:

Installed new exhaust shroud bracket p/n D41-7804-20-02 and muffler brace p/n D41-7804-20-01 IAW DA-40-180 AMM 78-10-00.

58) Mixture cable baffle grommet missing.

AIRFRAME:

Installed grommet p/n 3785_32 in cyl 81 baffle for mixture control cable.

59) Mixture control not hitting 'rich' stop.

AIRFRAME:

Adjusted mixture control IAW Diamond DA40-180 AMM 76-10-00. ops check good.

60) Newly installed potentiometer on flood light doesn't dim properly.

AIRFRAME:

Replaced instrument panel flood light filament P/N DA4-3211-10-02 IAW DA40 AMM ch. 23-10-00 operational check good.

61) M/G journal bearings in fuselage have play.

AIRFRAME:

Found M/G journal bearings to be worn. replaced w/new p/n 2072515-840-3. shims added as required p/n D1998-212420 5 IAW DA-40 AMM 23-10-00.

62) Nose gear fairing cracked.

AIRFRAME:

part removed to return to customer.

63) Oil Change (With Oil Sample, Non-Reg.)

POWERPLANT:

C/W Oil And Filter Change. Done IAW (L170-340-MIA Maint/ O/W Manual Ch 72-10-00. Ops and Leak Check Satisfactory. Oil sample taken and sent to ALS Global.

64) Oil Change at 100 Hr (With Oil Sample, Non-Reg.)

POWERPLANT:

C/W Oil And Filter Change at 100 Hr. Done IAW (L170-340-MIA Maint/ O/W Manual Ch 72-10-00. Oil sample taken and sent to ALS Global.

65) Oil cooler fitting is slight leak.

AIRFRAME:

Removed oil cooler, clean removed fittings. Installed with 567 Tread sealant IAW DA-40-180 chapter 71-10-00.

66) Passenger door outer skin damaged, upper L/R area.

AIRFRAME:

Repaired passenger door outer skin upper L/R area IAW Diamond DA40-180 AMM 51-10-00, Class 3 repair.

67) Passenger door removed to P/M.

AIRFRAME:

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.
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.: 6688.6

AIRFRAME:

Reinstalled passenger door as needed after repaired hinge. Ops check good.

68) PAX door aft hinge is cracked.

AIRFRAME:

Replaced passenger door aft hinge IAW Diamond DA40-127/6.

69) Pilot side right master cylinder leaking on top.

AIRFRAME:

Removed and replaced with new master cylinder P/N 10-54A on pilot R/W side IAW DA40-180 AMM 32-10-00.

70) Pilots + copilot seats cushions removed for repair at aircraft interiors.

AIRFRAME:

Re-installed repaired seat cushions on pilot and copilot seats as needed.

71) Pitot static leak check required for wing reinstall.

AIRFRAME:

Complied with low range pitot/static leak check IAW Diamond DA-40-180 AMM ch. 34-10-00 no discrepancies found at this time.

72) 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 3010011-WIP IAW Diamond DA-40-180 AMM ch. 28-10-00.

73) R/W fuel tank requires calibration and leak check.

AIRFRAME:

Complied with fuel tank calibration IAW Garmin G1000 system maintenance manual 190-00545-01 section 4.4.2 and leak checked R/W tank no discrepancy's found.

74) R/W fuel tank requires installation of anti-chafe tape before installation.

AIRFRAME:

Installed rubber strip P/N 139H230001 and new Teflon chafe tape as needed.

75) R/W fuel tank requires installation.

AIRFRAME:

Installed R/W fuel tank per DA40 AMM ch. 28-10-00.

76) 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-rotted. Removed dry rotted vent hoses and installed new hoses p/n 193-4 IAW Diamond DA-40-180 AMM ch. 28-10-00.

77) 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. 28-10-00. Installed repaired inboard tank p/n DA4-2817-10-00 1 R/W 2812.

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

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 Repairs Performed

- 1) #1 cylinder will return 1200 bar when work beyond limits
AIRFRAME:
Replaced #1 cylinder will return 1200 bar with new P/N 48759 in accordance to opening O/B manual sec. 4
- 2) AD 2024-25-24 W/L Inspection - APTT - 1 of 2
AIRFRAME:
C/W AD 2024-25-24 IAW Diamond DA-40-180/181. Door leg should be checked and further squaring for replacement.
- 3) AD 2024-25-24 W/L Inspection - Data - 1 of 2
AIRFRAME:
Complied with by NIS replacement to P/N 041-3223-10-00. This renders this AD no longer applicable.
- 4) AD 2024-25-27 Fuel Injection Lines Inspection
POWERPLANT:
C/W AD 2024-25-27 Fuel Injection Lines Inspection IAW Opening W/L 7420. (Next Due APTT: 1, 488.0)
- 5) Annual/100 Hour Inspection (18 Mo) (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. (41 Flight School) RT Prop. T.T. Status checked reviewed and PMA bi-weekly checked through 2020-04 for this aircraft.
- POWERPLANT:
Engine Cylinders Compression (1-174/180/181) 93-174/180/181 93-174/180/181 93-174/180/181
- 6) Annual/100 Hour Inspection (18 Mo) (APTT) 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. (41 Flight School) RT Prop. T.T. Status checked reviewed and PMA bi-weekly checked through 2020-04 for this aircraft.
- 7) Cabin heat vent tube work
AIRFRAME:
Replaced cabin heat vent tube with p/n: 00870 as needed.
- 8) compass has low field level
AIRFRAME:
Inspected and replaced P/N 0002-00 0/N 420037-03. Installed new compass P/N 0002-00 0/N 753217-19 IAW DA-40-180/181 chapter 34-22-00
- 9) Deferred - Autopilot Inspection
AIRFRAME:
Auto Pilot Inspection. No deferred per FAR 91.213(d), verified placard installed, breaker pulled and milliwatts.
- 10) elevator ballcrank bushings work
AIRFRAME:

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

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

- AIRFRAME:
replaced elevator ballcrank bushing with new P/N 0410090210 and P/N 0410070-040-8
- 11) elevator trim block work unable to increase friction
AIRFRAME:
removed with trim friction block and rod and installed new elevator trim friction block P/N 041-1731-00-00 and rod P/N 041-1731-00-00 IAW Diamond DA-40-180 MM ch. 27-34-00
- 12) elevator trim tab cracked
AIRFRAME:
Removed and replaced elevator trim tab p/n: 041-5525-00-00 and installed inspected elevator trim tab p/n: 041-5525-00-00. IAW DA-40-180 MM ch. 55-20-00.
- 13) EIT Annual Inspection
AIRFRAME:
EIT 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 APTX Manual 570-1400/ Revision AC). Battery Expiration Date for EIT Transmitter 14. (11/2024). Battery switch battery if applicable, expires: (01/2024). Next EIT Annual Inspection due: (04/2021). EIT Registration if applicable: (01/24/2022).
- 14) Fire Extinguisher 100 Hour Inspection
AIRFRAME:
Complied with fire extinguisher 100 Hour Inspection IAW Diamond DA-40-180 A.M.M. 24-00-00. Fire Extinguisher Weight: (1012)grams. (Next Due APTT: 1448.0)
- 15) Fire Extinguisher 30 Day Visual Inspection
AIRFRAME:
Complied with fire extinguisher 30 Day visual inspection IAW Diamond DA-40-180 A.M.M. ch. 24-00-00. (Next Due: 03/13/2022)
- 16) Fire Extinguisher Annual Inspection
AIRFRAME:
Complied with fire extinguisher annual inspection IAW Diamond DA-40-180 A.M.M. 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) ECU Failure after engine start and taxi out
AIRFRAME:
Installed magnetometer P/N 011-00470-00 0/N 47520599 IAW DA 40 AMM sec 34-28-00 step 19. Calibration of CMU 44 C/W IAW 01000 AMM 7.2.3. Ops ok good
- 18) headliner falling off
AIRFRAME:
re-attached headliner with adhesive as needed
- 19) horizontal fairing chaffing on stabilizer
AIRFRAME:
Touch-up paint on chaff area on stabilizer IAW DA-40-1800 AMM chapter 51-20-00

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

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

- 20) ECU Tonic Engine Preheat System - APTT - 1 of 2
POWERPLANT:
Inspected Tonic Engine Heater before 100 hours TIS IAW Tonic TCA0001 9.1, 9.2-6. Next Due Date: (1448.0).
- 21) ECU Tonic Engine Preheat System - Data - 1 of 2
POWERPLANT:
Inspected Tonic Engine Heater before 12 months IAW Tonic TCA0001 9.1, 9.2-6. Next Due Date: 04/2021.
- 22) Idle RPM low 680
AIRFRAME:
Adjusted idle and mixture IAW DA40-180 AMM chapter 05-28-01.
- 23) L/R wing removed to POM
AIRFRAME:
Reinstalled L/R wing IAW DA40-180 AMM ch 57-10-00.
- 24) LH fuel calibration required
AIRFRAME:
Calibrated L/R fuel tank due to probe replacement per 01000 system maintenance manual. 190-00545-01 4.4.3
- 25) LH fuel filler removed to POM
AIRFRAME:
Reinstalled L/R fuel filler with new o-ring p/n: DIN9771-65X6-FPM per DA40-180 AMM ch. 28-10-00
- 26) LH fuel leak check required.
AIRFRAME:
Performed leak check on L/R fuel tank. No leaks found.
- 27) LH fuel tank is leaking near fuel transducer
AIRFRAME:
Removed inboard fuel tank P/N: DA4-2817-10-00.1 S/N: 2312 and replaced with new fuel tank P/N: DA4-2817-10-00.1 S/N: 2590. Removed fuel probe P/N: 3010011-WIP and replaced with new P/N: 3010011-WIP. Removed fuel drain valve P/N: DA4-9028-17-01. Work performed IAW DA40-180 AMM ch 28-10-00.
- 28) Mixture cable grommets are missing
AIRFRAME:
Installed new grommets p/n A-551-A large and p/n A-549-A small IAW DA-40-180 AMM chapter 73-10-00 on mixture cable
- 29) mixture rise out of limits 115
AIRFRAME:
Adjusted idle and mixture IAW DA-40-180 AMM chapter 05-28-01
- 30) need to perform compass swing
AIRFRAME:
Compass swing c/w IAW DA40 AMM sec 34-29-00 step 3.B. ops check good.

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 293.0

CAE Oxford
Aviation Academy Phoenix

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

- 31) nose landing gear pivot is cracked
AIRFRAME:
Replaced nose landing gear leg p/n 041-3223-10-00-ASY IAW DA40 AMM ch 32-20-00
- 32) Oil Change at 100 Hr (With Oil Sample, Non-Reg.)
POWERPLANT:
C/W Oil And Filter Change at 100 Hr. Done IAW (L)10-360-MIA Maint/ O/N Manual Ch 72-50-00. Oil sample taken and sent to ALS Global.
- 33) Pitot static leak check required for LH wing installation
AIRFRAME:
Performed low range pitot static leak test IAW DA40-180 AMM ch 34-10-00. Leak rates within limits.
- 34) preload of L/R and R/H flaps is high
AIRFRAME:
Adjusted L/R and R/H flap preload to within limits per DA40-180 AMM ch. 27-50-00.
- 35) RH fuel calibration required for probe replacement.
AIRFRAME:
Calibrated R/H fuel tank due to probe replacement per 01000 system maintenance manual. 190-00545-01 4.4.3
- 36) RH fuel filler removed to POM
AIRFRAME:
Reinstalled R/H fuel filler with new o-ring p/n: DIN9771-65X6-FPM per DA40-180 AMM ch. 28-10-00
- 37) RH fuel leak check required
AIRFRAME:
Performed leak check on R/H fuel tank. No leaks found.
- 38) RH fuel tank is leaking near fuel transducer
AIRFRAME:
Removed RH inboard fuel tank P/N: DA4-2817-10-00.1 S/N: 2399 and replaced with new fuel tank P/N: DA4-2817-10-00.1 S/N: 2698. Removed fuel probe P/N: 3010011-WIP and replaced with new P/N: 3010011-WIP. Removed fuel drain valve P/N: DA4-9028-17-01 and replaced with new P/N: DA4-9028-17-01. Work performed IAW DA40-180 AMM ch 28-10-00.
- 39) RH wing removed to POM
AIRFRAME:
Reinstalled RH wing IAW DA40-180 AMM ch 57-10-00.
- 40) Throttle cable grommets are missing
AIRFRAME:
Installed new grommets p/n A-549-A large and p/n A-549-A small IAW DA-40-180 AMM chapter 73-10-00 on throttle cable

Page 6 of 7 for Work Order 2020 01666

10700 Campbell Road, Suite 220, San Diego, CA 92121, USA. Tel: 619 594 4400

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: Pamela Wagoner

Cert No. and Kind: CRS #84VR4704

WO#: 2020 02617

Date Started: 01 JUN 2020

Date Completed: 02 JUN 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 346.1

CAE Oxford
Aviation Academy Phoenix

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

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

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), verified 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 342G. (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 570-1600 / 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).

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: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 346.1

CAE Oxford

Aviation Academy Phoenix

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

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

5) 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

ilder, T.	8.1	008:01	Eisenmayer, M.	10.7	010:38	Kapaldo, J.	10.2	010:11	KENNEY, S	6.8	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



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

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

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

WO#: 2020 03075

Date Started: 23 JUN 2020

Date Completed: 24 JUN 2020

Reg#: 836DS
C S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 406.0

CAE Oxford
Aviation Academy Phoenix

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

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

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 - AFTT - 1of2
- 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.

AIRFRAME:

preliminary inspection CW no defects noted

- 2) Deferred - Autopilot Inoperative

AIRFRAME:

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 AFTT: 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- (74/80)Psi, #4- (78/80)Psi

- 4) 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: 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 AMM ch. 32-40-00

- 6) mixture spring broken

AIRFRAME:

replaced broken mixture spring with new PN RZ-063E-12x IAW DA40 AMM 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 03075

Date Started: 23 JUN 2020

Date Completed: 24 JUN 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 406.0

CAE Oxford
 Aviation Academy Phoenix

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

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

Labor

Byrd, C. 9.0 009:00 KERNEY, S 1.1 001:05 Tice, M. 6.2 006:12

16.3 16:17

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
1	RZ-063E-12X	SPRING		3.53	3.53
1	DA4-5200-00-62_1	CANOPY GUILD R/H		94.49	94.49
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

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: 6-24-20 Signed: [Signature]
 5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:B4VR470K

Work Order Totals

Labor	1,546.92
Parts	170.09
TOTAL:	1,717.01

WO#: 2020 03465

Date Started: 13 JUL 2020

Date Completed: 13 JUL 2020

Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 462.9



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

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

Description of Work to be Performed

- 1) Deferred - Autopilot Inoperative
- 2) EVENT #3 IAW CAE Progressive INSP
- 3) ICA Tanis Engine Preheat System - AFTT - 1of2
- 4) l/h & r/h wing tie downs missing rubber grommets
- 5) nlg has excessive axial play
- 6) Preliminary Inspection
- 7) r/h brake linings worn
- 8) scat tube damaged at alternator
- 9) throttle rod end bearing worn

Maintenance/Repairs Performed

- 1) Deferred - Autopilot Inoperative

AIRFRAME:

autopilot inoperative. re-deffered per FAR 91.213(d) verified circuit breaker pulled and collard and placard installed

- 2) 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 AFTT: 1637.9)

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-14 for this aircraft.

- 3) 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: 07/2021.

- 4) l/h & r/h wing tie downs missing rubber grommets

AIRFRAME:

installed new grommets on l/h & r/h wing tie downs with p/n 119328 as needed

- 5) nlg has excessive axial play

AIRFRAME:

installed 2 shims at nlg journal bearing p/n: DIN988-25X36X0.5 per DA40-180 AMM ch 32-20-00

- 6) Preliminary Inspection

AIRFRAME:

c/w preliminary inspection. no defects noted

- 7) r/h brake linings worn

AIRFRAME:

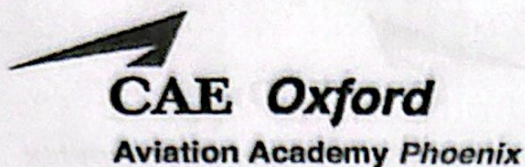
replaced r/h brake linings with p/n: 07-20212 per Cleveland CMM sect. 200

WO#: 2020 03465

Date Started: 13 JUL 2020

Date Completed: 13 JUL 2020

Reg#: 836DS
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 462.9



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

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

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:

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

Date Completed: 21 AUG 2020

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

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.

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.

- Deferred - Autopilot Inoperative

IRFRAME:

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-40-180 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 342G. (NEXT DUE AFTT: 1694.4)

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked 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: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 519.4



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

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

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		0.94	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 Sammons

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

Work Order Totals

Labor	3,292.75
Parts	614.75
TOTAL:	3,907.50

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
AC Tach Time: 580.2

CAE Oxford
Aviation Academy Phoenix

Form: KFM-F107, Rev -
FAA-CRS:BAVR470K

AC 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) Allison AP servo wiring unsecure
- 3) Deferred - Autopilot Inoperative
- 4) Elevator AP servo wiring unsecure
- 5) EXTENT #1 IAW CME Progressive INSP
- 6) Exhaust T. brace cracked
- 7) Flap motor ballcrank has broken bonding strap
- 8) ICA Tangle Engine Preheat System - APTT - 10f2
- 9) Instrument panel lights INOP
- 10) L/R 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
Airtask:
C/N Preliminary inspection, no defects noted.
- 2) Allison AP servo wiring unsecure
Airtask:
Installed 3 new anchors P/N 1A872 on Allison AP servo wiring as required
- 3) Deferred - Autopilot Inoperative
Airtask:
Auto pilot inoperative. Re-Deferred per FAR 91.213(d), verified circuit breaker pulled and placard installed.
- 4) Elevator AP servo wiring unsecure
Airtask:
Installed 3 new anchors P/N 1A872 on elevator AP servo wiring as required
- 5) EXTENT #1 IAW CME Progressive INSP
Airtask:
I certify that in accordance with CME 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/N AD 2015-19-07 Lead Inspector James Inspection IAW by-calling NGB 3420. (WEET DUE APTT: 1755.2)
1A1 Pilot School ATP AD Status Sheets Reviewed and FAA BI-Weekly Checked Through 2020-18 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 ARTTC M406 Manual 570-1606/ Revision AE.
Battery Expiration Date for ELT Transmitter is: (11/2026).

Document Revision Date: 09 Apr 2010

Page 1 of 3 for Work Order 2020 04467

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
AC Tach Time: 580.2

CAE Oxford
Aviation Academy Phoenix

Form: KFM-F107, Rev -
FAA-CRS:BAVR470K

AC 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) Remote switch battery if applicable, expires 10/1/2024.
Next: ELT Annual Inspection due: (09/2023).
ELT Registration if applicable: (02/04/2023).
- 6) Exhaust T. brace cracked
Airtask:
replaced exhaust T. brace P/N 041-7806-20-01 with new IAW DA40-180 AMM 78-00-00
- 7) Flap motor ballcrank has broken bonding strap
Airtask:
Installed new terminal end P/N 321-045 on flap motor ballcrank IAW ac 43.13 chap 11
- 8) ICA Tangle Engine Preheat System - APTT - 10f2
POWERPLANT:
Inspected Tangle Engine Heater before 100 hours TIS IAW Tangle TCA0501 8.1, 8.2-6. Next Due Date: 1755.2.
- 9) Instrument panel lights INOP
Airtask:
Installed new flood light switch P/N K0502124 IAW DA40 AMM ch 33-10-00 OPS check good
- 10) L/R M/G tire worn
Airtask:
Removed worn and replaced with repaired M/G tire P/N DA40 Main IAW 32-40-00
- 11) Mixture spring broken
Airtask:
Replaced mixture spring P/N R2-063E-12X with new IAW DA40-180 AMM 76-00-00
- 12) Pilot Canopy missing placard for door handle
Airtask:
Replaced placard with new P/N DA4-1123-10-04-1 IAW DA-40-180 AMM CE 11-20-00
- 13) Right side control stick has play
Airtask:
Tightened right side control stick mount bolt as required

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 ARTTC M406 Manual 570-1606/ Revision AE.
Battery Expiration Date for ELT Transmitter is: (11/2026).

Parts Used

Labor		Parts Used	
Kitcher, A.	7.4 00123	10.6 01011	13.0 012158
Ortiz, A.	3.5 00127		
		35.6	35.36

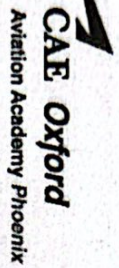
Document Revision Date: 09 Apr 2010

Page 2 of 3 for Work Order 2020 04467

WO#: 2020 04467

Date Started: 04 SEP 2020
Date Completed: 04 SEP 2020

Reg#: 83SDS
AC S/N: 40-500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 580.2



Form: KFF-M-F107, Rev -

FAA-CRS BAYR470K

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

Qty	Part#	Description	Serial#	Cost	Sub Total
1	K50521R24	Potentiometer, 5K		68.41	68.41
1	CH48110-1	OIL FILTER		26.22	26.22
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550042072	AIRCRAFT OIL, 15W50 **ONLY USE THIS NUMBER**		6.19	43.33
6	1A872	ADHESIVE BACKED MOUNTING BASE		0.27	1.62
1	R2-0638-12X	DA40 Engine Control Spring		3.63	3.63
1	DA1-7826-20-01	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 ASBY		0.00	0.00

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. filed under this Work Order.

Date: 9/16/20

Signed:

5000 East Mecon Dr, Mesa AZ 85215 Form KFF-M-F107, Rev - FAA-CRS BAYR470K

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

CAE Oxford
Aviation Academy Phoenix

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: REM38S 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-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: 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

CAE Oxford

Aviation Academy Phoenix

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: (13051560) 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		0.00	0.00
1	DA40 MAIN	DA40 MAIN TIRE BUILT ASSY		0.00	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
	AOA1151	OIL SAMPLE KIT		8.50	8.50
	4370	MAGNETO RIGHT SLICK	92070446	475.00	475.00
	4347	MAGNETO DA 40/42 SLICK	11030992	450.00	450.00

Maintenance Release

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 released 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: Stacy Scammon
2 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 2020Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 702.2**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/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

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 3420. (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: LM13792 IAW IO-360-M1A O/H Manual 72-60-06

5) Idle high @ 870 RPM's.

POWERPLANT:
Adjusted 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, pwr 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 2020Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 702.2**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/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

8) R/H brake linings worn.

AIRFRAME:
Replaced R/H brake linings with repaired p/n DA40 Repl. Brake Set, pwr Cleveland MM sect. 200.

9) R/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	Hans, 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	LM13792	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	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: 10/3/2020 Signed: *[Signature]*
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

CAE Oxford
Aviation Academy Phoenix

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

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

Description of Work to be Performed

- 1) Deferred - Autopilot Inoperative
- 2) EVENT #4 IAW CAS Progressive INSP "Annual Limit" - 2of2
- 3) EVENT #4 IAW CAS Progressive INSP - 1of2
- 4) Preliminary Inspection.
- 5) Spark plugs require replacement

Maintenance/Repairs Performed

- 1) Deferred - Autopilot Inoperative

AIRFRAME:

Autopilot Inop. re-deferred per FAR 91.213(d) verified placard installed, breaker pulled and collared.

- 2) EVENT #4 IAW CAS Progressive INSP "Annual Limit" - 2of2

AIRFRAME:

For details see discrepancy EVENT #4 IAW CAS Progressive INSP.

- 3) EVENT #4 IAW CAS Progressive INSP - 1of2

AIRFRAME:

I certify that in accordance with CAS Progressive Inspection Program dated 17-May-2019 INSPECTION EVENT # 4, a routine inspection of engine/propeller and airframe and a detailed inspection of engine 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 AFTT: 1935.8)

141 Flight School ATP AD Status Sheets Reviewed and FAA BI-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

- 4) Preliminary Inspection.

AIRFRAME:

Preliminary inspection C/W No defects noted.

- 5) Spark plugs require replacement

POWERPLANT:

Removed and replaced all spark plugs with inspected P/N REM385 repl. set IAW Lycoming direct drive C/W manual

Labor

Hallam, E. 2.5 203.14 Alvarado, E. 2.5 203.14

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

CAE Oxford
Aviation Academy Phoenix

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

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

Qty	Part#	Description	Serial#	Cost	Sub Total
1	REM385 repl. set	Spark plug set		0.00	0.00
1	CH48110-1	OIL FILTER		18.75	18.75
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550041184	OIL DRUM 15W50 DISPENSE BY QUART		6.24	43.68

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: 10/18/2020

Signed: *[Signature]*

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

Work Order Totals

Labor	487.67
Parts	70.93
TOTAL:	558.60

WO#: 2020 05690

Date Started: 28 OCT 2020

Date Completed: 29 OCT 2020

Reg#: 836DS
 A/C S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 821.4

CAE Oxford
 Aviation Academy Phoenix

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

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

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 2015-19-07 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) and found to be in airworthy condition.

Inspection and test was performed in accordance with ARTEX ME-406 Manual 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, 8.2-6. 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.	0.9	000:53
										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

CAE Oxford
Aviation Academy Phoenix

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

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

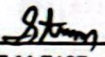
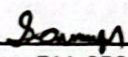
Parts Used

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:  

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
 AC S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 881.1

CAE Oxford
 Aviation Academy Phoenix

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 Ch. 75-00-00

- 4) 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 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- (76/80)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

- 7) 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
 MEC: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 898.9

CAE Oxford

Aviation Academy Phoenix

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

A/C Total Time: 1973.9
 RT Eng. T.T.:
 LT Eng T.T.: 1973.9
 LT Prop T.T.: 7378.1

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: Sturm Samms

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 2020Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 941.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/C Total Time: 2016.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2016.4
LT Prop T.T.: 7420.6

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 MS25171-15 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 43.13-1B 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 AMM 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 lines inspection IAW Lycoming MSB 342G. (NEXT DUE APTT: 2116.4)

141 Flight School ATP AD Status Sheets Reviewed and FAA 51-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 APTT 2216.4

WO#: 2020 06421

Date Started: 04 DEC 2020
Date Completed: 04 DEC 2020Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 941.4**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/C Total Time: 2016.4
RT Eng. T.T.:
RT Prop. T.T.:
LT Eng T.T.: 2016.4
LT Prop T.T.: 7420.6

Labor

Kasior, P.	4.0	003:57	Alvarado, R.	4.6	004:31	Lindblom, S.	0.5	000:27	Malhan, R.	4.7	004:40
Brown, M.	6.0	005:59									
										19.6	19:34

Parts Used

Qty	Part#	Description	Serial#	Cost	Sub Total
2	MS25171-15	Electrical Insulating Boot		0.09	0.18
1	CH48110-1	OIL FILTER		18.75	18.75
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
7	550050888	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: 12/4/2020

Signed: CTO

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
AC Tach Time: 994.0

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:BAVR470K

AC 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 CME Progressive INSF - 10672
- 5) High idle and zero mixture rise
- 6) ICA GTX 3XX Equipment Inspection
- 7) ICA Tanis Engine Preheat System - APTT - 10672
- 8) ICA Tanis Engine Preheat System - Data - 20672
- 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 loop, 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 Diamond DA-40-180 AMM 24-60-00. (NEXT DUE: APT 1069.0)
- 4) EVENT #4 IAW CME Progressive INSF - 10672
AIRFRAME:
I certify that in accordance with CME Progressive Inspection Program dated 17-May-2019, INSPECTION EVENT #4, a routine inspection of engine, propeller and airframe and a detailed inspection of engine were performed and are approved for return to service.
C/M AD 2015-19-07 Fuel Injector Lines Inspection IAW Lycoming MGB 345C. (NEXT DUE: APTT: 2169.0)
141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2020-25 for this Aircraft.
- POWERPLANT:**
Engine Cylinders 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 DA-40-180 AMM ch: 21-02-00. cgm check good
- 6) ICA GTX 3XX Equipment Inspection
AIRFRAME:
Performed equipment visual inspection of the equipment installed by ETC (A017) before 12 months per GTX MM, 190-0073A-11, Sec. 4.4 and 4.5. Next Due: 3/7/2020

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
AC Tach Time: 994.0

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:BAVR470K

AC 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) ICA Tanis Engine Preheat System - APTT - 10672
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 - Data - 20672
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/N 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	
Malcolm, R.	4.2 004108 Alvarado, B. 3.2 003708
7.3 7:16	

Parts Used				
Qty	Part#	Description	Serial#	Cost
1	MS35769-31	GASKET, MANIFOLD, OIL PRESSURE		1.97
1	REMIAS	RELIEF VALVE, PIPER		42.48
1	CH4810-1	SPARK PLUG ARCHER, SEMINOLE, DA40		18.83
1	AD41151	OIL FILTER		8.50
7	550050888	OIL SAMPLE KIT		6.19
		AEROSHELL OIL 15W 50 DRUM 55GL		43.33

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. filed under this Work Order.

Date: 12/18/2020 Signed: *[Signature]*

5000 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev -FAA-CRS:BAVR470K

Work Order Totals	
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

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

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) Mags require timing.
- 14) Parking brake is inop
- 15) Parking brake lever worn
- 16) Preliminary Inspection
- 17) R/H brake caliper 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 MS51957-440

- 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. Re-deferred per FAR 91.213(d). Verified placard installed, breaker pulled and collared.

- 6) Dipstick tube loose.

AIRFRAME:

Tightened dipstick tube and re safetied 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

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

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/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: 2233.5)

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2021-01 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 ME-406 Manual 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: (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 CPM 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 20-20-00

- 12) LH baffle rod loose.

AIRFRAME:

Replaced baffle rod P/N D41-7166-10-80 IAW DA40 180 AMM ch 75-00-00

- 13) Mags require timing.

AIRFRAME:

Timed magnetos IAW Lycoming 10-360-m1a 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/H brake caliper is leaking**AIRFRAME:**

Replaced oring with new oring P/N MS28775-224 IAW Cleveland CMM sct 200.

18) R/H brake linings worn**AIRFRAME:**

Removed and replaced brake linings P/N 07-20212 IAW Cleveland CMM sct 200.

Labor

Godbold, M.	16.8	016:45	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	DIN125B-M6-PA	WASHER NYLON		0.19	0.19
1	DIN125B-M6-PA	WASHER NYLON		0.19	0.19
1	CH48110-1	OIL FILTER		18.83	18.83
1	AOA1151	OIL SAMPLE KIT		8.50	8.50
1	D41-7166-10-80	Rod, Baffle, Retaining		29.72	29.72
1	T22700034	BOWDEN CABLE		6.38	6.38
2	07-20212	BRAKE LININGS, DA-40		12.00	24.00
2	051135-08578	STRIP CAULK (PERMACUM BEAD NO. 576)		19.96	39.92
7	550050888	AEROSHELL OIL 15W 50 DRUM 55GL		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	MS51957-44B	Screw, Fanhead Brass, glareshield.		0.25	0.50
1	MS28775-224	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: 10/01/21

Signed:

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

Work Order Totals

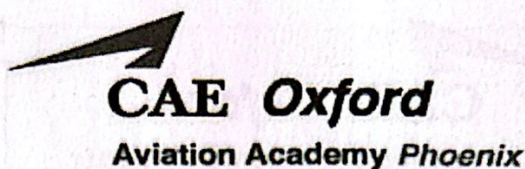
Labor	5,850.17
Parts	256.91
TOTAL:	6,107.08

WO#: 2021 00211

Date Started: 21 JAN 2021

Date Completed: 22 JAN 2021

Reg#: 836DS
AC 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

Description of Work to be 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 - 1of2
- 5) ICA Tanis Engine Preheat System - Date - 2of2
- 6) L/H Magneto requires replacement.
- 7) Mixture spring broken.
- 8) Preliminary inspection
- 9) R/H Magneto requires replacement
- 10) Static RPM is low.

Maintenance/Repairs Performed

- 1) 480 Hour Inspection IAW CAE Progressive INSP

AIRFRAME:

Complied 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 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 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 - 1of2

POWERPLANT:

Inspected Tanis Engine Heater before 100 hours TIS IAW Tanis TCA0001 8.1, 8.2-6. Next Due AFTT: 2,287.4

- 5) 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.

- 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 AMM 74-10-00.

WO#: 2021 00211

Date Started: 21 JAN 2021

Date Completed: 22 JAN 2021

Reg#: 836DS
 A/C S/N: 40.500
 MFG: DIAMOND
 Model: DA-40-180
 A/C Tach Time: 1112.4

CAE Oxford
 Aviation Academy Phoenix

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

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

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

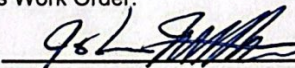
Parts Used

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: 

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

Work Order Totals

Labor	3,079.58
Parts	1,184.25
TOTAL:	4,263.83

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
A/C Tach Time: 1167.8

CAE Oxford
Aviation Academy Phoenix

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

Description of Work to be Performed

- 1) alt belt needs tensioned
- 2) Alternator belt dry-rotted.
- 3) C/W Preliminary inspection, no defects noted.
- 4) Cyl #2 intake gasket leaking.
- 5) Deferred - Autopilot Inoperative
- 6) EVENT #3 IAW CAE Progressive INSP
- 7) High idle @ 780 w/ no rise.
- 8) incorrect mounting hardware for alternator
- 9) Low static @ 2610
- 10) NLG stop plate damaged
- 11) oil cooler missing foam
- 12) Oil pressure relief valve leaking.
- 13) prop needs safetied
- 14) prop removed POM
- 15) RH wing aft position light is burnt out.

Maintenance/Repairs Performed

- 1) alt belt needs tensioned
AIRFRAME:
adjusted alt. belt tension as required per DA40 AMM 24-00-00
- 2) Alternator belt dry-rotted.
AIRFRAME:
Removed worn belt and replaced w/new P/N 37A19773-376, IAW DA40-180 AMM, ch.24-30-00.
- 3) C/W Preliminary inspection, no defects noted.
AIRFRAME:
C/W Preliminary inspection, no defects noted.
- 4) Cyl #2 intake gasket leaking.
AIRFRAME:
Removed leaking gasket and replaced w/new P/N 71973 IAW Lycoming OH Manual Sec. 8.
- 5) Deferred - Autopilot Inoperative
AIRFRAME:
Autopilot inop, re-deferred per FAR 91.213(d). Verified placard installed, beaker 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 lines inspection IAW Lycoming MSB 3420. (NEXT DUE APTT: 2,342.8)

141 Flight School ATP AD Status Sheets Reviewed and FAA Bi-Weekly Checked Through 2021-03 for this

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
A/C Tach Time: 1167.8

CAE Oxford
Aviation Academy Phoenix

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

AIRFRAME:
aircraft.

7) High idle @ 780 w/ no rise.

AIRFRAME:

Performed ground run IAW POH, no defects noted. Ops check good.

8) incorrect mounting hardware for alternator

AIRFRAME:

Installed new bolts P/N AN6-17, AN6-16, new washers P/N STD690 and 2 new nuts P/N STD-872, IAW the DA40 AMM 24-00-00.

9) Low static @ 2610

AIRFRAME:

Adjusted the static to within limits IAW the DA40 AMM 71-00-00. Ops check good.

10) NLG stop plate damaged

AIRFRAME:

replaced NLG steering travel stop PN D41-3223-00-51 IAW DA40-180 AMM ch. 32-20-00

11) oil cooler missing foam

AIRFRAME:

installed new foam PN 1220-25 from shop stock

12) Oil pressure relief valve leaking.

AIRFRAME:

Removed crush gasket and replaced w/new P/N MS35769-31, IAW Lycoming O/H Manual Table of limits fig. 14.

13) prop needs safetied

AIRFRAME:

safetied the propeller bolts IAW DA40 AMM 61-00-00

14) prop removed POM

AIRFRAME:

reinstalled prop w/new o-ring PN MS28775-228 IAW DA40-180 AMM ch. 61-10-00

15) RH wing aft position light is burnt out.

AIRFRAME:

Replaced bulb with new PN: 34-0428070-64, IAW DA40 AMM Ch 33-40-00. Ops check good.

Labor

Green, T.	6.5	006:27	Stutz, B.	6.3	006:13	Alvarado, E.	5.4	005:23	Kemp, D.	5.1	005:03
Rowland, J.	7.4	007:20	Dake, D.	2.7	002:42						

33.2 33:08

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
A/C Tach Time: 1167.8

CAE Oxford
Aviation Academy Phoenix

Form: KFF-M-F107, Rev -
FAA-CRS:BAVR470K

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
2	STD-812	CASTLE NUT		6.95
6	STD690	WASHER		1.45
1	MS28775-228	O-RING PROPELLER		0.67
1	DI1986-M12-A2	NUT HEXAGON NYLON LOCK DIAMOND		1.54
1	DA1-3223-00-51	DA-40 NLD STOP PLATE		143.34
2	76534	SMITH, 1.130DX, 411DX, 005THICK		12.46
1	AN6-16	BOLT, 10PX		1.98
1	AN6-17	BOLT 1.313 3/8 X 1 61/64 HEX HD		1.78
1	DI1986-M12-A2	NUT HEXAGON NYLON LOCK DIAMOND		1.54
1	71973	INTAKE GASKET		1.08
1	MS28775-228	O-RING PROPELLER		0.67
1	37A19773-376	BELT, ALTERNATOR		80.48
1	MS35769-31	GASKET, ANNULAR, OIL, PRESSURE		1.97
1	34-0428070-64	RELIEF VALVE, PIPER		41.99
1	CH48110-1	2AV NAV/Position Light Bulb (AFT)		18.83
1	ACN1151	OIL FILTER		8.50
7	550050888	OIL SAMPLE KIT		7.89
		AEPSHELL OIL 15W 50 DRUM 55GL		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: <i>CAE</i>
5030 East Falcon Dr, Mesa AZ 85215 Form: KFF-M-F107, Rev - FAA-CRS:BAVR470K	

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 2021Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1202.1**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/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 SA01254W1-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/N preliminary inspection. No defects found.
- 2) Bonding and Static Discharging Systems Check (1000 Hour)
AIRFRAME:
Performed Bonding System and Static Discharging System Check IAW Diamond DA-40-180 AMM 51-80-00.
(NEXT DUE: AFTT 4277.1)
- 3) ICA G1000 Bonding Resistance Test - STC SA01254W1-D
AIRFRAME:
Performed electrical bonding resistance check of all G1000 equipment after 1000 hours TIS and in conjunction with DA40 AMM 51-80-00 bonding test, if able, IAW G1000 IM, 190-00545-00, section 4.5.
(Record Test Equipment Calibration O/N H292916 Cal date 3/23/20) Next Due AFTT: 3277.1
- 4) 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: 2377.1.
- 5) 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: 02/2022.
- 6) L/R fuel filler fixing ring found to be damaged.
AIRFRAME:
Replaced L/R fuel filler fixing ring w/ new (P/N NR366) IAW DA40-180 AMM ch. 28-10-00.
- 7) L/R outboard static wick damaged.
AIRFRAME:
Removed and replaced static wick with new (P/N 16630).

Labor

Bata, D.	9.7	009140	Stis, A.	6.7	006141	Brown, M.	9.8	009146	Kaslot, P.	15.6	015134
Cooper, Q.	7.5	007130									

49.3 49:13

WO#: 2021 00592

Date Started: 25 FEB 2021
Date Completed: 27 FEB 2021Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1202.1**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/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

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: 2/27/2021

Signed: *Bud*

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

Work Order Totals

Labor	4,675.58
Parts	208.97
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

CAE Oxford
 Aviation Academy Phoenix

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 placard 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 27-38-00

- 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-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 342G. (NEXT DUE AFTT: 2405.7) 141 Flight School ATP AD Status 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#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1230.7

CAE Oxford

Aviation Academy Phoenix

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

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

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

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: *Stacy S. Sanyal*

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
caeaaa.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".

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
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8



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.: 2364.8
LT Prop T.T.: 7769.0

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.

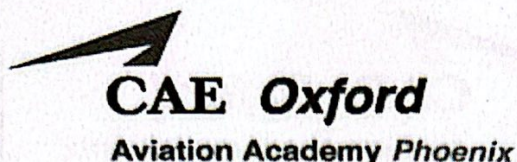
- 5) Alternator requires replacement.

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



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.: 2364.8
LT Prop T.T.: 7769.0

AIRFRAME:

Removed alternator P/N: ALU-8521R, S/N: I063011 and replaced with O/H alternator P/N ALU-8521, S/N A017855 IAW DA40 AMM 24-00-00.

6) Baffle rods broken.

POWERPLANT:

Replaced baffle rods P/N: D41-7166-10-80 with new IAW DA40-180 AMM 11-20-00.

7) Baffles removed to FOM.

POWERPLANT:

Re-installed baffles IAW DA40 AMM 75-00-00.

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.: RENPL-RT10051 SN: RL-33866-51E with TSN: 0.0 hrs, TSO: NA hrs IAW Diamond DA40-180 AMM ch. 71-00-00.

9) engine break in runs required

AIRFRAME:

performed engine break in with satisfactory results IAW Lycoming service instructions no. 1427C dated 12/29/2010

10) Engine fuel lines require replacement.

AIRFRAME:

Replaced all engine fuel lines with new IAW DA40 AMM 28-00-00. see aero performance order # 14595407

11) Engine oil lines require replacement.

AIRFRAME:

Replaced all engine oil lines with new IAW DA40 AMM 79-00-00. see aero performance order # 14595407

12) Exhaust removed to FOM.

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

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

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.: 2364.8
 LT Prop T.T.: 7769.0

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 IAW Hartzell 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: 149-24LS, S/N: H-1011876 IAW DA40 AMM 80-00-00.

Labor

Kircher, A.	37.9	037:53	Jones, D.	39.0	038:57
-------------	------	--------	-----------	------	--------

76.9 76:50

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



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.: 2364.8
 LT Prop T.T.: 7769.0

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



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.: 2364.8
LT Prop T.T.: 7769.0

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 2021Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS:B4VR470KA/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 flange P/N D41-7166-20-33, inlet duct P/H D41-7166-20-31, valve body P/H D41-7166-20-30, 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 2021Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev.
FAA-CRS:B4VR470KA/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 PN RG24-15H, SN 41111778 with new one PN RG24-15H, SN 41143970 IAW DA40-180 AMM ch. 24-30-00, ops check good.

- 6) Both fuel fill placards are worn.

AIRFRAME:

L/H 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/H DAI-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. PN D41-2213-30-00-WIP, SN 7392 with inspected one PN D41-2213-30-00-WIP, SN 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 D41-1123-10-04_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 2021Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/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 AC43.13-1B 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 MS3116P8-4S IAW DA40-180 AMM ch 77-00-00.
Ops check good.

16) Ground placards missing.

AIRFRAME:

Replaced ground placard with new P/H DA4-1123-10-10 IAW DA40 AMM ch. 11-20-00.

17) High fuel pressure on post runs

AIRFRAME:

replaced engine driven fuel pump PN LM15473 SN 62B26931 with overhauled one PN LM 15473 SN 0E0D05
IAW Lycoming IO-360-M1A maintenance/overhaul manual ch. 73-10-00.

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/H DA4-1123-10-02 IAW DA40 AMM ch. 11-20-00.

20) No touch placards missing from ailerons and rudder.

AIRFRAME:

replaced no touching placards w/new P/H DA4-1123-10-01 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) ops 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 2021Reg#: 836DS
AC S/N: 40.500
MFG: DIAMOND
Model: DA-40-180
A/C Tach Time: 1289.8**CAE Oxford**
Aviation Academy PhoenixForm: KFF-M-F107, Rev -
FAA-CRS:B4VR470KA/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:

CW preliminary inspection, no defects noted.

26) Removed carpets

AIRFRAME:

Re-installed carpets back into plane as needed.

27) Removed seats for Re-upholstery

AIRFRAME:

Re-installed re-upholstered 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/H 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/H and R/H wing walks with new P/H D60-1127-10-52_01, (L/H) and D41-5300-00-71_3, (R/H)
IAW DA40 AMM ch. 11-20-00.

Labor

Schmit, D.	6.0	006:00	Cooparrider, B.	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

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

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

Form: KFF-MF-107, Rev -
FAA-CRS:BAVR470K

Qty	Part#	Description	Serial#	Cost	Sub Total
1	40094	CANISTER FUEL PUMP		1.06	1.06
2	AS-568-042	O-RING, ALTERNATE AIR, DA-40/42		6.68	13.36
1	DA1-7164-20-30	TELION		213.55	213.55
1	DA1-7164-20-31	VALVE BODY		144.50	144.50
1	DA1-7164-20-31	INLET DUCT		348.82	348.82
1	20-1120-00-10	FLANGE		3.04	3.04
1	DA1-1123-10-04_3	PLACARD, STILL WARNING SYSTEM (		23.51	23.51
1	13-06880	RED CTR)		33.96	33.96
1	DA1-1123-10-04_3	PLACARD, Locking Canopy Outside		570.60	570.60
1	056110-005	DIAMOND DA40 PROTOT COCKPIT SEAT,		2.60	2.60
1	DI123A-M6-A2	SHEEPSKIN		0.12	0.96
1	DI123A-M6-A2	Plug, 10mm diameter		0.12	0.96
1	DI123A-M6-A2	WASHER SS DIAMOND		4.52	36.16
1	DA1-1123-10-10	BOLT, DA-42 OUTSIDE STEP BOLT		8.23	8.23
1	DA1-1123-10-22	CHORD PLACARD (DA-42)		4.67	4.67
1	DA1-5300-00-71_3	PLACARD FUEL TANK (76L/20 US Gal)		126.86	126.86
1	DA1-1127-10-52_3	Wing Nail, 80 DA-40		181.55	181.55
1	DA1-1123-10-01	WING NAIL, 80 DA-42, L4 DA-40		8.48	33.92
1	DA1-1123-10-02	Placard, No Touching		8.48	25.44
1	DA1-1123-10-16	Placard, No Step		8.23	8.23
1	DA1-2213-10-70	CHORD PLACARD (DA-42)		48.87	48.87
1	DA1-9076-00-04	CABLE, AUT PILOT		20.49	20.49
1	DA1-9076-00-04	ALTERNATE AIR CABLE / DA40		50.50	50.50
1	DI123A-M6-A2	RUT HEXAGON SELF LOCKING		0.05	0.05
1	DA1-2213-10-50	WASHER SS DIAMOND		75.90	303.60
1	DI123A-M6-A2	NUTS		0.29	0.58
1	DI123A-M6-A2	BOLT, 800 END, DA-40		3.84	7.68
1	DA1-7116-41-00-1	WASHER KIT ASST, BAPTE		79.14	79.14
1	DA1-2157-10-00	WASHER KIT ASST, BAPTE		101.45	101.45
1	DI123A-M6-A2	RUT, HEXAGON, SELF-LOCKING		0.38	3.04
1	DA1-3213-01-30	WASHER, A/C FALKING		9.67	19.34
1	DA1-1123-10-02	WASHER RUBBER, TIE-DOOR, DA-40/42		4.70	9.40
1	DA1-1123-10-02	Placard, No Step		8.48	8.48
1	DA1-1123-10-02	Placard, No Step		1.35	1.35
1	DA1-1123-10-02	Placard, No Step		91.05	91.05
1	DA1-2213-10-00-WIP	Oil, PILOT		19.24	19.24
1	DA1-15M	Autopilot Tilt Servo Assy		0.00	0.00
1	DA1-15M	BATTERY SEALED NAIL		712.14	712.14
1	DA1-15M	CONDUIT, DA-40/SEMI-CONDUIT		240.80	240.80
1	DA1-15M	FUEL PUMP ENGINE DRIVER			
1	DA1-15M	OVERHAUL DA 40/42			

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-MF-107, Rev -
FAA-CRS:BAVR470K

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: 8-16-21 Signed: [Signature]

500 East Falcon Dr. Mesa AZ 85215 Form: KFF-MF-107, Rev - FAA-CRS:BAVR470K

Work Order Total
Labor
Parts
TOTAL:

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

Flite Instruments and Avionics
4927 E. Falcon Drive
Mesa, AZ 85215

CRS# 6FIR926C

480-516-0308

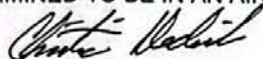
Reg #	A/C Make	Model	S/N	Tach/Hobb
836DS	Diamond	DA40	40-500	3134

I certify that the Static, Altimeter and transponder tests, including data correspondence required by 89.411 & 91.413, have been performed and found to comply with 14 CFR part 43, appendix E & F. Altitude: 24000
Work performed by: [Signature] Date: 06/17/2021
Inspected by: [Signature] Work Order# 836DS

DATE: SEPTEMBER 23, 2022 | HARTZELL PROPELLER | HC-C2YR-1BF/F7495S | S/N: CH37702B
TACH: 1331.2 HRS. TTP: 7810.4 HRS. TSMOH: 41.4

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 2022-19. 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.



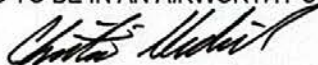
CHRISTIAN HEDRICK

A&P 3740465 IA

DATE: OCTOBER 2, 2023 HARTZELL PROPELLER HC-C2YR-1BF/F7495S S/N: CH37702B
TACH: 1402.6 HRS. TTP: 7881.8 HRS. TSMOH: 112.8

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 2023-20. 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: 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.

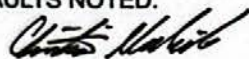

CHRISTIAN HEDRICK

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



5102 S. Country Club Rd. Tucson, AZ 85706
www.warnerpropeller.com

FAA CRS # W59R659N
(520) 294-5671

WORK ORDER #

14246

WORK ORDER

CUSTOMER/ AIRCRAFT INFORMATION

CUSTOMER

Name CAE Oxford Aviation Academy
Address 5030 E. Falcon Dr.
City/State/Zip Mesa, AZ 85215
Contact person Parts Department
Phone 480-951-4288 EXT 1154

AIRCRAFT

Aircraft model DA40
Aircraft serial 40.932
Engine model IO-360-M1A
Registration N4174B
Date received 19 SEP 2019

COMPONENT INFORMATION

Component(s)	Propeller	Manufacturer	Hartzell
Model(s)/Part(s)	HC-C2YR-1BF	TTSN	6688.0
Serial(s)	CH37702B	TTSO	1629.2
Reason for repair	Leaks grease from blades.		
Work to be performed	Repair as required.		

MAINTENANCE INFORMATION

Inspection results

Grease leaks from blade seals. Seals worn.

Additional work required

Reseal propeller.

Parts installed

1ea C2YR-1RSK.

Work performed

Resealed, functional tested and static balanced.

S/B,S/L,A/D compliances

None.

Maintenance release issued 8130-3 Number 39015 Date 03 OCT 2019

Attachments to this work order MM20,List,8130-3.