

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT NO. N61LH

63 Aviation Circle
Weyers Cave, Va 24486

MAKE Diamond MODEL DA-40 S/N 40.415 DATE MFG. 2004

[illegible]

AIRCRAFT

1. Nationality and Registration N61LH
2. Manufacturer's Designation DA40
3. Manufacturer's Serial Number 40.415
4. Type Approval or Specification Number A-224/A47CE
5. Date of Manufacture 2004
6. Aircraft Inspection Cycle _____

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW WITH HARTZELL PROPELLER INSTALLED AS PER STC No.



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93



15 SEPT 2004 S/N 40.415
COMPASS DEVIATION, ALL ELECTRICS ON

SERIAL NUMBER

REGISTRATION MARK

40.415

N61LH

FOR	N	30	60	E	120	150
STEER	360	030	060	090	120	151
FOR	S	210	240	W	300	330
STEER	180	209	239	269	300	330



INDEPENDENT CHECK OF FLIGHT AND POWERPLANT CONTROLS

DATE

16 September, 2004

DA
Q 65

INSPECTOR

Albert Piffner

16 SEPT 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
16 SEPT 2004			1.5		
17 SEPT 2004			2.5		AIRCRAFT SERVICEABLE FOR FLIGHT
17 SEPT 2004			3.5		
17 SEPT 2004			4.0		
17 SEPT 2004			4.3		
20 SEPT 2004			4.3		ALL DISCREPANCIES RECTIFIED



DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO THE
APPROVED TYPE DESIGN DATA AND IS IN A FIT AND SAFE STATE
FOR FLIGHT.

DATE

20 September, 2004

INSPECTOR

N. S. [Signature]

DA
Q 13

4.3

CARRIED FORWARD

ENGINEERING RECORD

1

INSPECTION, REPAIRS & REPLACEMENT

SIGNATURE

LICENCE
NUMBER

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

DIAMOND AIRCRAFT INDUSTRIES INC. (DAI) INTEGRATED AVIONICS SYSTEM (INSTALLED) AS PER STC No. SA01254WE

[Signature]

DA
Q 13

Diamond

I certify that the ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with Chapter 571, Appendix F F.A.R. 91:217: & F.A.R. 91:413.

DATE

INSPECTOR

16 September, 2004

[Signature]

DA
Q 13

Diamond

The ELT was tested and inspected in Accordance with Chapter 571, Appendix G of the Airworthiness Manual and F.A.R. 91:207(d)

ANNUAL INSPECTION DUE: SEPTEMBER 2005

BATTERY DUE: NOVEMBER 2006

DATE

INSPECTOR

16 September, 2004

[Signature]

DA
Q 13

Diamond

I certify that the Static Pressure system has been inspected and tested in accordance with Chapter 571, Appendix B of the Airworthiness Manual, and F.A.R. 91:411

DATE

INSPECTOR

16 September, 2004

[Signature]

DA
Q 13

Diamond

DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS) AND IS SERVICEABLE.

DATE

INSPECTOR

16 September, 2004

[Signature]

DA
Q 13

[Signature]

DA
Q 13

[Signature]

DA
Q 13

[Signature]

DA
Q 13

[Signature]

DA
Q 13

[Signature]

DA
Q 13

[Signature]

DA
Q 13

Diamond

U.S. STANDARD AIRWORTHINESS CERTIFICATE
ISSUED

DATE: SEP 21 2004

AND INSTALLED IN THE

AIRCRAFT ON BEHALF OF THE F.A.A. OF

DATE: SEP 21 2004

NE-MIDO-46



AIR TIME AND

[illegible]

CUSTOMER WORK ORDER REPORT**Poly-Fiber Enterprises, Inc.****WO # 484 Task 1 CR pg 1****Coeur d' Alene, ID 83814 USA****Cust Code: HORNS** Phone:

Larry Hornsby DBA Aviation Solutions

3310 Kelly Creek Rd

Moody, AI 35004 USA



Cust PO#	N61LH			
Item	Paint Touch Up			
Part #				
Model	DA-40			
Serial #	40.415			
Mfgr.	Diamond			
Discrep.	Paint Touch Up			

		Hrs	40.40
A/C Make	Diamond		
A/C Model	DA-40	Ser#	40.415
Job Status	OPENED		
Job type	STANDARD		
Open Date	Nov-18-2004 Thursday		
Promised			
Started	Nov-18-2004 Thursday		
Finished			
Printed	Nov-18-2004 Thursday 11:59		

Discrepancy

Repair Paint.

Preliminary Inspection

Minor paint touch up.

Hidden Damage Inspection

No further damage noted.

Progressive Inspection

Per PFE-009.

AD's / SB's Complied with

None.

Corrective Action

Minor paint touch-up per Diamond DA-40 AMM-51-20-00 Item 8 "Exterior Paint Finish". Details of this repair are on file at this repair station under work order No. 484.

MAINTENANCE RELEASE / RETURN TO SERVICE CRS# YXPR750X

The aircraft, airframe, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 484 Date 11-18-04

Signed [Signature] for Poly-Fiber Enterprises, Inc. CRS#YXPR750X
Inspector/Authorized Signature 129 Sky Harbor Way Griffin, GA 30224

ENGINEERING RECORD

2

INSPECTION, REPAIRS & REPLACEMENT

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

SIGNATURE

LICENCE
NUMBER

DA
Q 13

and Lubed AS Required IAW
CHECKLIST FOR 25/100 hr Insp
ALL PANELS + COVERS TO INCLUDE
Battery + charged serviced AIR Wheel
VOLTAGE CHECKED ALL CONTROL LINKAGES
Interior, and closed ACFT. ALL Sys

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

Fred A. Johnson A & P 424604401 IA

Fred A. Johnson

Flight SPECIAL II 15X600-L LT MAIN LG.

Fred A. Johnson
AP 424604401 IA

Poly-Fiber Enterprises, Inc. 129 Sky Harbor Way Griffin, GA 30224 YXPR750X
LOG ID# 39 18-November-2004 WO# 484/1 HOBBS 40.4
N61LH S/N 40.415 DIAMOND DA-40

Pg 1/1

**** ITEM # 484-1 Paint Touch Up ****

DISCREPANCY: Repair Paint.

Model: DA-40 Serial#: 40.415

ACTION: Minor paint touch-up per Diamond DA-40 AMM 51-20-00 Item 8 "Exterior Paint Finish". Details of this repair are on file at this repair station under work order No. 484.

W.C. Houtman 11-18-04
Signed Date

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
2/18/05			633		Performed 50 hr insp IAW Diamond Exhaust Sys Insp. IAW Diamond Act-T Upk NO Defects Noted at this time
10/05/05			94	9	T.T. TACH Complied With INSP. section 05-20. OPEN AIRCRAFT, INS Gaskets All Cyl + C/N MSB40-033+ ANNUAL INSP IAW FAR 91.207(d). New Emergency Battery Pack Due serviced All wheel Bearings. Interiors + Per Form 6 Ops
CARRIED FORWARD					

MAKE Diamond
MODEL: DA-40
S/N: 40415
REG NO: 61LH
WORK ORDER: 367-10-2005

Premier Aircraft Service, Inc.
8840 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33308
Phone: (954) 334-2393

DATE: 11/2/2005
A/C TSN: 84
TACH: 84

Airframe Entries
DRAINED FUEL TANKS, REMOVED LH AND RH WINGS AND FUEL TANKS I.A.W. DA-40 MM CH 57-10-00 AND CH 28-10-00. RIGGED ELEVATOR TRAVEL TO ACCOMMODATE FOR LONG RANGE TANK SETTINGS. INSTALLED LONG RANGE TANKS IAW DIAMONDS/B OSB-010/1. REINSTALLED WINGS, CHECKED CONTROL TRAVELS, LIGHTING AND FUEL QUANTITY SYSTEM. TANK FUELED AND LEAK CHECKED GOOD. 337 SUBMITTED AND WEIGHT AND BALANCE REVISED. LONG RANGE TANK P.O.H. SUPPLEMENT INSTALLED.... INSTALLED GDL68A IAW GARMIN STC WI-OSB-40-042 AND DIAMOND DWG # DA4-2315-20-00/DA4-3144-02-00 AND DA4-9231-60-03 ALL GARMIN FUNCTIONS CHECKED OK. WEIGHT AND BALANCE REVISED AND 337 FILED FOR THIS INSTALLATION.... C/W GARMIN S/B 533 BY INSTALLING SOFTWARE UPDATE FOR AHARS. OPERATIONAL CHECK GOOD... C/W GARMIN S/B 538 BY INSTALLING SOFTWARE UPGRADE V.8. FUNCTION CHECK GOOD

This aircraft/engine is approved for return to service with reference to work performed on this W/O on this date

DATE: 11/2/2005 **SIGNED:** Raymond Ocasio **Work Order:** 367-10-2005
Raymond Ocasio - A&P, 81804851 Printed by EBis 3 (datacomedia.com)

ENGINEERING RECORD

3

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Aircraft Inspection CK List. Complied with dated 2/11/05 per Gary Gaudreau. Performed LK + DBS	<i>Fred A. Johnson</i>	AP42464401IA
Diamond Aircraft scheduled MAINT check + Lube as required. Installed New Exhaust ASB 40-040 ON EXHAUST sys. YU ELT Repaired NLG wheel Fairing. Installed To Low Voltage. Checked & serviced 45T BATT. CK Rudder Cable Tension. Reinstalled AU CK. All sys CK good at this time	I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition Fred A. Johnson A & P 424604401 IA	

DATE 11/2/05 TACH

MFG/MODEL Diamond DA40

I certify that this aircraft was weighed in level flight attitude inside a closed hangar with fuel tanks empty
Scale readings were:

Date: 11/11/2005
Hobbs: 102.8
WO#: 4890
1. Removed PFD DAU s/n 86500859, s/n 86503589. Performed software load discrepancies.
2. Repaired loose static hose at pitot/s
MAINTENANCE RELEASE: This aircraft was performed in accordance with current regulations of the FAA. Pertinent details are on file at the repair station.
Signature: *[Signature]*
Vero Beach Avionics, Inc. Vero Beach, FL

ATC Transponder System Integration Test CFR 43, Appendix E, Para. C						Altimeter Error +/- Ft.		Friction		Date Customer				
#2 Encoder			#1 Encoder			Tolerance	Scale Error	Tolerance	Error	Aircraft N#	Work Order#			
Test Points Feet	Actual ON	Transition OFF	Test Points Feet	Actual ON	Transition OFF							Inspector's Signature		
-1000			-1000	50	50	20				4-4-07	John Owen			
0			0	50	50	20				N61LH	A7040401			
500			500	50	50	20				Benjamin A. Chapp				
1000			1000	50	50	20		70		Pre-test	1383 ft. (29.92)			
1100			1100	50	50	20				Post-test	1403 ft. (29.92)			
1500			1500	50	50	25				After effect	20 ft. +/- 30ft			
2000			2000	50	50	30		70		(within 5 min. of hysteresis test completion)				
2800			2800	50	50	30				Static Sys Leak Rate	0 ft. per min.			
3000			3000	50	50	30		70		(Max permitted 100 ft. per min.)				
4000			4000	50	50	35				Altimeter Make	GARMIN			
5000			5000					70		Model	GDC74A			
6000			6000	50	50	40				S/N#	47805060			
8000			8000	50	50	60				Position	1			
10000			10000	50	50	80		80		Encoder Make	SAME			
12000			12000			90				Model				
14000			14000	50	50	100				S/N#				
15000			15000					90		Position				
16000			16000	50	50	110								
18000			18000	50	50	120		Case leak						
20000			20000	50	50	130		100		Case Leak	N/A			
22000			22000			140				Tolerance 100ft. per minute				
25000			25000			155		120		Hysteresis Tolerances +/- 75 ft.				
30000			30000			180		140		50% Alt Up	Dn			
35000			35000			205		160		40% Alt Up	Dn			
40000			40000			230		180		50% 5-15 minutes	40% 1-10 Minutes			
45000			45000			255				TABLE IV Barometric Scale Error				
50000			50000			280		250		In Hg	Level	Diff. From 29.92	Alt. Diff.	+/- 25 ft. Error
										28.10	-350	-344	-1727	6
										28.50	+35	+43	-1340	8
										29.00	515	520	-863	5
										29.50	990	991	-392	1
										29.92	1388	0	0	0
										30.50	1910	1914	+531	4
										30.90	2270	2276	+893	6
										30.99	2350	2357	+974	7

Tested for compliance with Part 43, Appendix E.

Classic Aviation Services, Inc.

63 Aviation Circle
Weyers Cave, VA 24486
Repair Station #C3VR730J

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR CO
	HRS.	MIN.	HRS.	MIN.	

GARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269 G3SR222J
 LOG ID# 2503 18-January-2006 WO# 20973/1 REF# 20973 HOBBS 122.0
 N61LH S/N 40.415 DIAMOND DA40

Pg 1/1

REMOVED DEFECTIVE GDC74A PN: 011-00882-00 SN: 47801517. INSTALLED NEWLY OVERHAULED GDC74A
 PN:011-00882-00 SN: 47805060. RELOADED & CONFIGURED SOFTWARE PER MANUFACTURER'S MANUAL. OPS CHECK
 GOOD.
 FOUND RIGHT MAIN FUEL PROBE DEFECTIVE. REMOVED AND INSTALLED NEW FUEL PROBE PN#3010011-WIP
 SN#W00519034. LEAK CHECK AND OP CHECK GOOD PER DA40 MAINT. MANUAL.
 COMPLIED WITH MSB-40-044 R1 EXHAUST.
 REMOVED DEFECTIVE GDU1040 SCREENS PN:011-00972-00 SN:86503585 & SN:86503589. INSTALLED OVERHAULED
 GDU1040 SCREENS PN:011-00972-00 SN:86500513 & SN:86500862. RELOADED AND CONFIG SOFTWARE PER SB0539
 AND MANUFACTURER'S MANUAL.

William Duffy
 WILLIAM DUFFY G3SR222J Date 01/18/2006

GARDNER AVIATION SPECIALIST, INC. 500 AVIATION WAY B-5 PEACHTREE CITY, GA 30269 G3SR222J
 LOG ID# 2484 05-January-2006 WO# 20982/1 REF# 20982 HOBBS 120.1
 N61LH S/N 40.415 DIAMOND DA40

Pg 1/1

COMPLIED WITH MSB40-046 INSPECTION OF NOSE LANDING GEAR LEG. NO DEFECTS NOTED NEXT DUE 220.2 HRS

William Duffy
 DUFFY G3SR222J Date 01/05/2006

Date 4-4-07 N# N61LH
 I certify that the static system, altimeter system and the
 automatic pressure altitude reporting system tests
 required by CFR 91.411 and CFR Part 43 Appendix E
 have been performed and is approved for return to service.
 W/O# A7040401
 Left ALT Date 4-4-07 20K Ft.
 Right ALT Date _____ Ft.
 Signed Bentley A. Chapp
 Classic Aviation Services, Inc. Repair Station # C3VR730J
 Shenandoah Valley Regional Airport, Weyers Cave, VA 24486

Date 4-4-07 N# N61LH
 Model GDC74A S/N 47805060 Position 1
 Model _____ S/N _____ Position _____
 I certify that the above transponder(s) has been tested
 as required by CFR 91.413 in accordance with current
 Regulations of the Federal Aviation Agency and is
 approved for return to service. Pertinent details of this
 inspection are on file at this repair station under
 W/O# A7040401 Date 4-4-07
 Signed Bentley A. Chapp
 Classic Aviation Services, Inc. Repair Station # C3VR730J
 Shenandoah Valley Regional Airport, Weyers Cave, VA 24486

Repair Station
C3VR730J
N61LH

Classic Aviation Services, Inc.
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

W/O # 7032902

4

Date 4/4/2007 Hourmeter 189.6 Tach A/CTT 147.8

AIRFRAME LOG

C/W MSB 40-033 Exhaust system inspection: visually inspected exhaust system in accordance with para 1.8.1. Next due 239.6 ACTT. Installed new aircraft battery - Concorde CB24-11M, S/N 40151180. Tightened alternator belt. Installed new R/H brake linings. Installed new hoses on static side of airspeed indicator and on pressure side of air data computer. Ground ops checks normal.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed

Inspector

Classic Aviation Services, Inc.

Inspected ACK E-01 ELT, S/N 049646 in accordance normal. Inspected batteries; due March 2011. Remote Completed inspection this date in accordance with Di and Maintenance Manual. I certify that this Aircraft h with an Annual Inspection and was determined to be

Signed

Inspector

Classic Aviation Services, Inc.

Repair Station
C3VR730J
N61LH

Classic Aviation Service
Shenandoah Valley Regional
Weyers Cave, VA 244

Date 4/16/2007 Hourmeter 190.1 Tach

AIRFRAME LOG

Installed overhauled GIA2. Updated software to V Ops check normal.

The aircraft, airframe, aircraft engine, propeller or app inspected in accordance with current Regulation of th - approved for return to service for the work performed.

Signed

Inspector

Classic Aviation Services, Inc.

Repair Station
C3VR730J
N61LH

Classic Aviation Ser
Shenandoah Valley Regi
Weyers Cave, VA

Date 11/19/2007 Hourmeter 276.7 Tac

AIRFRAME LOG

Performed optional Service Bulletin #OSB-40-0 new elevator stop bushing, checked elevator trav accordance with Diamond Service Bulletin #OS #MSB 40-030/3 Replacement of fuel selector u shaft and installed in aircraft in accordance with #MSB 40-030/3. Reinstalled console and front chain. Completed modifications to activate crew antenna coax routing in accordance with G1000 DA40 P/N 190-00544-01 Rev. D dated June 200

The aircraft, airframe, aircraft engine, propeller or inspected in accordance with current Regulation of approved for return to service for the work perform

Signed

Inspector

Classic Aviation Services, Inc.

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHO FAA
4. Organization: GARMIN International 1200 E 151st C		
6. Item:	7. Description:	8. Part Number:
1.	GIA63	011-00781-0
13. REMARKS: This unit is Newly Overhauled. It "Certifies that the work specified in block 12/13 was carri EASA Part-145 Approval Number: EASA.145.5534". TH Rev-E.		
14. Certifies the items identified above were manufactured in con ☐ Approved design data and are in condition for safe operatio ☐ Non-approved design data specified in block 13		
15. Authorized Signature N / A		
17. Name (Typed or Printed) N / A		
It is important to understand that the existence of this Document Where the user/installer performs work in accordance with the na block 1, it is essential that the user/installer ensures that his/her a block 1. Statements in block 14 and 19 do not constitute installation certi national regulations by the user/installer before the aircraft may b		

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. System Tracking Ref. No. SO # 248515	
4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062						5. Work Order Contract/Invoice Number: SO # 248515	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1.	GIA63	011-00781-00	N/A	1	46902218	OVERHAULED	
13. REMARKS: This unit is Newly Overhauled. It has been analyzed, reworked, tested, and conforms to the Newly Overhauled process set forth by Garmin. This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". This unit has been repaired and tested to meet the requirements of the Maintenance Manual, part number 190-00364-00 Rev-E.							
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in block 13				19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulations specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 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.			
15. Authorized Signature N / A		16. Approval/Authorization No.: N / A		20. Authorized Signature: 		21. Approval/Certificate No.: G6XR582Y	
17. Name (Typed or Printed) N / A		18. Date (m/d/y) N / A		22. Name (Typed or Printed) Richard Owens		23. Date (m/d/y) 10/11/2005	
User/Installer Responsibilities							
It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly. 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 parts/components/assemblies from the Airworthiness Authority of the country specified in block 1. Statements in block 14 and 19 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.							

Repair Station
C3VR730J
N61LH

Classic Aviation Services, Inc.
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

W/O # 8050702

Date 6/16/2008 Hourmeter 305.5 Tach 234.2 A/CTT

AIRFRAME LOG

C/W MSB 40-033 Exhaust system inspection: visually inspected exhaust system in accordance with para 1.8.1. Next due 334.2 ACTT. C/W MSB 40-058 Installation of inline 100 ohm resistor: installed resistor in accordance with work instruction W1-MSB-40-058. C/W AD 07-17-06 Inspect nose landing gear leg for cracks: inspected nose landing gear leg in accordance with Diamond Aircraft MSB No. MSB40-046/1. No defects noted. Next due June 2010 or 434.2 ACTT, whichever occurs later. Installed serviceable spinner backplate P/N C2294-5P, S/N BB-552B. Installed new L & R main landing gear tires and tubes, balanced wheel assemblies, and reinstalled on aircraft. Installed new L/H brake linings. G1000 software upgrade has been performed in accordance with STC SA01444WI-D-6 MDL configuration, software version 0321.19.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed
Inspector

Classic Aviation Services, Inc.

Richard Kiser

RS-C3VR730J

Inspected ACK E-01 ELT, S/N 049646 in accordance with CFR 91.207(d). Ops check normal. Battery due March 2011. Remote battery due November 2012.

Completed inspection this date in accordance with Diamond DA40 Inspection Guide and Maintenance Manual. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Signed
Inspector

Classic Aviation Services, Inc.

Richard Kiser

RS-C3VR730J

Repair Station
C3VR730J
N61LH

Classic Aviation Services, Inc.
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

W/O # 8050702

Date 6/16/2008 Hourmeter 305.5 Tach 234.2 A/CTT

AIRFRAME LOG

C/W AD 07-11-21 by verifying new style fuel selector universal joint was installed on 11-19-07, 212.4 ACTT in accordance with MSB 40-030/3. Next inspection due 1212.4 ACTT.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed
Inspector

Classic Aviation Services, Inc.

Dean Showalter

RS-C3VR730J

Repair Station
C3VR730J
N61LH

Classic Aviation Services, Inc.
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

W/O # A8061602

Date 6/16/2008 Hourmeter Tach 234.2 A/CTT

AIRFRAME LOG

Installed Garmin G1000 software update 0321.19 in accordance with STC SA01444WI-D-6 and Garmin Document 190-00544-03 (Rev. 5) G1000 Field Update Instructions. Inserted document 190-00492-12 (Rev. 3) G1000, KAP 140 Autopilot AFMS in the aircraft flight manual. Refer to Garmin Document 190-00545-01 (Rev. D) G1000 System Maintenance Manual for instructions for continued airworthiness.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed
Inspector

Classic Aviation Services, Inc.

Benjamin Chupp

RS-C3VR730J

CARRIES FORWARD

6/2002 System

ATC Transponder System Integration Test CFR 43, Appendix E, Para. C						Altimeter Error +/- Ft.		Friction		Date Customer																					
#2 Encoder			#1 Encoder			Tolerance	Scale Error	Tolerance	Error N/A	Aircraft N#	Work Order#																				
Test Points Feet	Actual ERROR ON	Transition OFF	Test Points Feet	Actual ERROR ON	Transition OFF							Inspector's Signature																			
-1000			-1000	50	50	20	10			5/12/09	Frank Owen																				
0			0	50	50	20	10			N 1016 H	A9051203																				
500			500	50	50	20	10			B. J. A. Chapp																					
1000			1000	50	50	20	10	70		Pre-test	919 ft. (29.92)																				
1100			1100	50	50	20	10			Post-test	930 ft. (29.92)																				
1500			1500	50	50	25	10			After effect	11 ft. +/- 30ft																				
2000			2000	25	75	30	10	70		(within 5 min. of hysteresis test completion)																					
2800			2800	25	75	30	10			Static Sys Leak Rate	50 ft. per min.																				
3000			3000	25	75	30	10	70		(Max permitted 100 ft. per min.)																					
4000			4000	25	75	35	10			Altimeter Make	Garmin																				
5000			5000					70		Model	6DC 74A																				
6000			6000	25	75	40	15			S/N#	47805060																				
8000			8000	25	75	60	20			Position	1																				
10000			10000	25	75	80	20	80		Encoder Make	Same as above																				
12000			12000	25	75	90	15			Model	"																				
14000			14000	25	75	100	15			S/N#	"																				
15000			15000					90		Position	1																				
16000			16000	25	75	110	15			<table border="1"> <tr> <td colspan="5">Case Leak</td> </tr> <tr> <td colspan="5">0</td> </tr> <tr> <td colspan="5">Tolerance 100ft. per minute</td> </tr> <tr> <td colspan="5">Hysteresis Tolerances +/- 75 ft.</td> </tr> </table>		Case Leak					0					Tolerance 100ft. per minute					Hysteresis Tolerances +/- 75 ft.				
Case Leak																															
0																															
Tolerance 100ft. per minute																															
Hysteresis Tolerances +/- 75 ft.																															
18000			18000	25	75	120	15	Case leak		50% Alt Up	20																				
20000			20000	25	75	130	20	100		Dn	10																				
22000			22000			140				40% Alt Up	20																				
25000			25000			155		120		50% 5-15 minutes																					
30000			30000			180		140		40% 1-10 Minutes																					
35000			35000			205		160		TABLE IV																					
40000			40000			230		180		Barometric																					
45000			45000			255				Scale Error																					
50000			50000			280		250		In Hg	Level																				
										Diff. From	Alt.																				
										29.92	Diff.																				
											+/- 25 ft.																				
											Error																				
										28.10	-1727																				
										28.50	-1340																				
										29.00	-863																				
										29.50	-392																				
										29.92	0	0																			
										30.50	+531																				
										30.90	+893																				
										30.99	+974																				

Tested for compliance with Part 43, Appendix E.
Classic Aviation Services, Inc.

63 Aviation Circle
Weyers Cave, VA 24486
Repair Station #C3VR730J

AIR TIME AND

[illegible]

ENGINEERING RECORD

2-27

INSPECTION, REPAIRS & REPLACEMENT
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Classic Aviation Services, Inc. W/O # 10050702
Shenandoah Valley Regional Airport
Weyers Cave, VA 24486

N61LH

Date 5/17/2010 Hourmeter 396.9 Tach 304.7 A/CTT

AIRFRAME LOG

C/W MSB 40-033 Exhaust system inspection: visually inspected exhaust system in accordance with para 1.8.1. No defects noted. Next due 404.7 ACTT. C/W AD 07-17-06 Nose gear leg inspection: Inspected nose landing gear leg in accordance with Diamond Aircraft MSB No. MSB40-046/1. No defects noted. Next due May 2011 or 504.7 ACTT whichever comes later. C/W Garmin SB0919 Rev. A. Performed field update in accordance with G1000 Field update instructions. Diamond DA40 Document P/N 190-00544-03 Rev. 8. New Software version 0321-22 installed. Unlocked Garmin G1000 Synthetic Vision with Kit P/N G1000-SVS-Kit-A. Installed new emergency battery pack assembly P/N D41-2560-93-00. Installed Reliable Equipment & Engineering Inc. STC SA01782SE HID lights in accordance with XeVision Installation instructions. File Form 337 with FAA-FSDO this date. Tightened R/H main landing gear fairing bracket bolts.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed [Signature] Steven Bradley
Classic Aviation Services, Inc. A&P #2772438

Inspected ACK E-01 ELT, S/N 049646 in accordance with CFR 91.207(d). Ops check normal. Battery due March 2011. Remote battery due November 2012.

Completed inspection this date in accordance with Diamond DA40 Inspection Guide and Maintenance Manual. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Signed [Signature] Steven Bradley
Inspector Classic Aviation Services, Inc. A&P #2772438 IA

AIR TIME AND



DOMINION AVIATION

Date: 7/13/2010; Aircraft: 61LH; Type: DIAMOND DA-40; S/N: 40.415;
 Hobbs: 417.30; Tach: 319.00; Total Time: 319.00; Engine - Type:
 IO-360-M1A, S/N: L-31563-51A, Time: 319.00; Prop - Type: HC-C2YR-1BF,
 S/N: CH38275B

*** AIRFRAME ***

-Inspected alternator and voltage regulator for condition and security of components and wiring with to determine cause of intermittent ALT FAIL PED warnings during normal operation. No discrepancies found. Contacted Diamond Aircraft Tech Support. Verified compliance with SB40-058. Verified condition and security of installed resistor PCB. Verified good continuity and resistance with no path to ground between voltage regulator connector J2411 pin 3 to alternator aux terminal. Verified alternator function with external meter readings with aircraft running on ground. Alternator function checked good. Verified good continuity with no path to ground between voltage regulator connector J2411 pin 4 to P701 pin 70 of the GEA 71. Removed voltage regulator part number VR2000-28-1 serial number E073633 and installed voltage part number VR2000-28-1 serial number E121748. Test ran aircraft on ground and performed test of alternator. Alternator function checked good but PFD alternator warning is constantly displayed. Checked G1000 configuration and software settings as per Garmin tech support for software errors, faults or configuration errors. No discrepancies with G1000 software found. Removed G1000 LRU GEA 71 part number 011-00831-00 serial number 46701905 and installed G1000 LRU GEA 71 part number 011-00831-00 serial number 46710139. Installed GEA71 software version 0321.22 and configured GEA71. Test ran aircraft and function checked GEA71 and alternator functions and indications. No discrepancies noted, all indications and functions normal. Reference Diamond Aircraft maintenance manual DA40 series 24-30-00 and Garmin G1000 system maintenance manual DA40 & DA40F section 7.4.

-Using mechanical fingers and shop air clean the remains of bird nest from cavity between #1 and #3 cylinders.

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 21329

Signed [Signature]

Dominion Aviation CRS ODAR018H
 7511 Airfield Drive
 Richmond, Virginia 23237
 (804) 271-7793

ENGINEERING RECORD

USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION

CARRIED FORWARD

Date: 7/1/11
Hobbs: 41
IO-360-M
S/N: CH3

*** AIR

-Troubles
between
ID 24015
J2411/P
and dep
wire env
connect
Reconn
isolate c
F1), 241
J2411/F
protect
alterna
function
schem

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref. 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 21308

Signed [Signature]

Dominion Aviation CRS ODAR0184

ATC Transponder System Integration Test CFR 43, Appendix E, Para. C and 91.411				
# 2 Encoder			# 1 Encoder	
Test Points Feet	Actual	Transition	Test Points Feet	Actual
	ERROR			El
	ON	OFF		ON
-1000			-1000	
0			0	
500			500	
1000			1000	
1100			1100	
1500			1500	
2000			2000	
2800			2800	
3000			3000	
4000			4000	
5000			5000	
6000			6000	
8000			8000	
10000			10000	

ATC Transponder System Integration Test CFR 43, Appendix E, Para. C and 91.411				
# 2 Encoder			# 1 Encoder	
Test Points Feet	Actual	Transition	Test Points Feet	Actual
	ERROR			I
	ON	OFF		ON
-1000			-1000	-55
0			0	-40
500			500	-35
1000			1000	-50
1100			1100	-50
1500			1500	-50
2000			2000	-50
2800			2800	-40
3000			3000	-50
4000			4000	-50
5000			5000	
6000			6000	-50
8000			8000	-50
10000			10000	-50
12000			12000	-50
14000			14000	-50
15000			15000	



*** AIRFRAME ***

The maintenance described above was performed and inspected in accordance with current FAA Regulations and is approved for return to service only for the work performed. Ref: 14 CFR Part 43.9. Pertinent details of the repair are on file at this repair station under

Work Order number 21308

Signed William E. ...

Dominion Aviation CRS ODAR0184
7511 AL-5-11-2

RD

8

[illegible]

ATC Transponder System Integration Test CFR 43, Appendix E, Para. C and 91.41				
# 2 Encoder			# 1 Encoder	
Test Points Feet	Actual ERROR		Test Points Feet	Actual ERROR
	ON	OFF		
-1000			-1000	-55
0			0	-40
500			500	-35
1000			1000	-50
1100			1100	-50
1500			1500	-50
2000			2000	-50
2800			2800	-40
3000			3000	-50
4000			4000	-50
5000			5000	-50
6000			6000	-50
8000			8000	-50
10000			10000	-50
12000			12000	-50
14000			14000	-50
15000			15000	-50

338.8

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLEY
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Shenandoah Avionics, LLC
 63 Aviation Circle Weyers Cave, Va. 24486
 540-908-6358 or 540-234-0226 Repair Station # 2SAR659Y
 N# 61LH W/O # 11062202
 Date June 23, 2011 Hourmeter N/A Tach 338.8 A/CTT N/A

"ALT OUT" light comes on from time to time. Found shielded wire connected to "AUX" output of alternator shorting from the frayed shield to the resistor at the alternator, repaired wire and covered with heat shrink. Operational checks normal.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulation of the Federal Aviation Agency and is approved for return to service.

END

Signed  Todd Ott

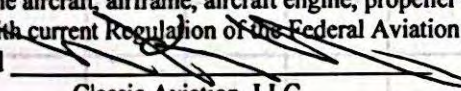
Classic Aviation, LLC
 Shenandoah Valley Regional Airport
 Weyers Cave, VA 24486
 W/O # 11061702
 Date 06/22/2011 Hourmeter 443.1 Tach 338.8 ACTT 338.8

AIRFRAME LOG

C/W MSB 40-067 Emergency exit lever in accordance with Section III instructions. No defects noted.

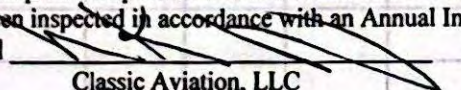
C/W AD 2010-25-01 Door retaining bracket: Installed new passenger door retaining bracket in accordance with Diamond Aircraft work instruction, WI MSB-40-070.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Signed  Steve Bradley
 Classic Aviation, LLC A&P # 2772438

Inspected ACK E-01 ELT, S/N 049646, in accordance with CFR 91.207(d). Ops check normal. Installed new batteries. Battery due March 2016. Remote battery due November 2012.

Completed inspection this date in accordance with Diamond Aircraft maintenance checklist. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

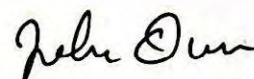
Signed  Steve Bradley
 Classic Aviation, LLC A&P # 2772438 IA

6/29/2011

444.4/339.9

Installed new aircraft battery

Concorde CB24-11M

John Owen, Owner 

CARRIED FORWARD

ENGINEERING RECORD

9

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Diamond DA40 s/n 415 N61LH 9-1-2011 Tach- 354.7 Replaced both Main Gear tires with new Condor 15X6-6 tires + Left Inner tube with a new Airstop P/N 097-500-0 tube. Greased Main Gear wheel bearings + Returned to Service. "Pertinent details of the repair are on file under Order No <u>2672</u> Date <u>9-1-2011</u> Signed <u><i>[Signature]</i></u> for <u>35552487A</u>		

GENERAL AVIATION, INC.
P. O. BOX 457
DANVILLE, VA 24543
434-793-7033



SPECIAL SERVICES CORPORATION
THE ALIEN AIRCRAFT CO. (INCORPORATED IN THE UNITED STATES)

7/5/2012

N61LH
SN: 40.415

* Static/TXP due 07/01/13
ELT Battery due 03/01/16
ELT Remote Battery due 03/31/21
Annual due 08/01/13

Hobbs: 490.6
Flt Time: 376.7
A/C TT 376.7

propeller TT: 376.7
propeller TSOH: 0

Performed an annual inspection in scope and detail of items according to FAR Part 143 Appendix D. Performed an annual inspection of the ELT in accordance with FAR 91.207 (d). Removed the battery, serviced in accordance with Concord's Instructions for Continued Airworthiness. Charged the battery and reinstalled. Lubricated the nose landing gear swivel. Removed the propeller, and reinstalled after overhaul. Replaced the emergency battery with a new battery, P/N D41-2560-93-00. Inspected the exhaust system in accordance with MSB 40-033. Due again at 476.7. Replaced the R/H brake linings with new linings, P/N 0066-14100. Replaced the alternator belt with a new belt, P/N 37A19773-37 376. Replaced the L/H wing T-seal with a new seal, P/ P/N 1110762. Replaced the nose tire with a new tire, P/N 072-312-0, S/N 0352S00567. Removed the air filter, cleaned, re-oiled, and reinstalled. Aaron Kirkland, A&P 3124657 also worked on this aircraft.

I certify that this aircraft has been inspected in accordance with an annual inspection and found to be in airworthy condition on this date. Ronald Allen Campbell IA 001959044

[Signature]

PF Flyers, Inc.

Approved repair station Y3FR325Y Altimeter Scale Error Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	-1010	30,000	
0	-10	35,000	
500	500	40,000	
1,000	1000	45,000	
1,500	1500	50,000	
2,000	2000	55,000	
3,000	3000	60,000	
4,000	4000	70,000	
6,000	6000	80,000	
8,000	8000		
10,000	9995		
12,000	11990		
14,000	13990		
16,000	15980		
18,000	17980		
20,000	19980		
22,000			
25,000			

Altimeter
Position
Pilot ☒
Copilot ☐

PFD

ALT. S/N 47805060
 DATE 8-2-13

FORM-C-230

E AND

ENGINEERING RECORD

USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION

EQUIPMENT AND
 TESTED AND MEET ALL
 PART 43

TO
 FEET
 000
 10507

Y3FR325Y

.413

CTIONS AS REQUIRED BY FAR
 AND FOUND TO COMPLY

WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.

TRANSPONDER #1	MAKE: Garmin	MODEL: GTx-33	S/N 84700367
TRANSPONDER #2	MAKE: —	MODEL: —	S/N —
DATE 08-02-2013	W/O 0930	INSPECTOR: <i>John P. Puchner</i>	
PF Flyers, Inc. FAA APPROVED REPAIR STATION # Y3FR325Y			

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED HEREIN WAS INSPECTED IN ACCORDANCE
 WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED
 FOR RETURN TO SERVICE.. PF FLYERS, INC. FAA REPAIR STATION NO. Y3FR325Y

SIGNED: *John P. Puchner* DATE: 08-02-2013



SPECIAL SERVICES CORPORATION

Date: 09/02/2013

Tach: 397.3

A/C TT: 397.3

Hobbs: 517.3

Static/TXP due: 09/01/2015

Annual due: 10/01/2014

N61LH

A/C Model: DA 40

A/C S/N: 40.415

ELT Battery due: 03/01/2016

ELT Remote Batt. Due: 03/31/2021

Emergency Batt. Due: 08/01/2014

Performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR 91.207 (d). Weighed the fire extinguisher. Serviced the propeller with grease. Removed the battery and installed a new battery, P/N RG24-11M, S/N 40595946. Cleaned, inspected, and lubricated all wheel bearings. Replaced the slow blow fuses in the Garmin equipment, P/Ns 31303.2. Removed the rudder and reinstalled after removing bird's nests/bowel movements. Repaired the rear seat supports. Using P/N 1110762, replaced the L/H and the R/H T-seals. Removed and reinstalled the horizontal stabilizer after removing, cleaning, painting, and reinstalling the forward and the aft attach brackets. Replaced all 6 brake line clips, P/N 420420-1. Following Diamond's Engineers' instructions, applied resin to several dry spots in the R/H wing.

Work was also performed by Richard Gardner, Greg Jones, and Philip Coleman.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date. Ronald Allen Campbell IA 001959044



SPECIAL SERVICES CORPORATION

Date: ^{10/01/2014} ~~09/24/2013~~ ^{RL}

Tach: 412.0

A/C TT: 412.0

Hobbs: 540.8

Static/TXP due: 09/01/2015

Annual due: ~~10/01/2015~~ ^{11/01/2015} ^{RL}

N61LH

A/C Model: DA 40

A/C S/N: 40.415

ELT Battery due: 03/01/2016

ELT Remote Batt. Due: 03/31/2021

Emergency Batt. Due: 10/01/2016

Performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR 91.207 (d). Weighed the fire extinguisher. Serviced the propeller with grease. Removed the battery, capacitance checked, serviced, and reinstalled. Replaced the emergency battery with a new battery, P/N 2EXL1240. Cleaned, inspected, and lubricated all wheel bearings. Removed the rudder and reinstalled after removing bird's nests/bowel movements. Repaired the pilots seat. Painted the pilot's and the copilot's entry step with anti skid paint. Replaced the nose landing gear stop sheet with a new stop, P/N D41-3223-00-51.

Work was also performed by Greg Jones, and Philip Coleman.

I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date. Ronald Allen Campbell IA 001959044

FAA Approved repair station Y3FR325Y
Altimeter Scale Error
 Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	-980	30,000	
0	+20	35,000	
500	520	40,000	
1,000	1020	45,000	
1,500	1520	50,000	
2,000	2020	55,000	
3,000	3020	60,000	
4,000	4020	70,000	
6,000	6020	80,000	
8,000	8020		
10,000	10020		
12,000	12020		
14,000	14020		
16,000	16020		
18,000	18020		
20,000	20020		
22,000			
25,000			

Altimeter
 Position
 Pilot ☒
 Copilot ☐

PFD

ALT. S/N 47805060
 DATE 11-4-2015

FORM-C-230

EQUIRED BY FAR
 TO COMPLY
 GRAPH C.

S/N

84700367

S/N

Prunder

5Y

ID
L

NG RECORD

Y LINES AS REQUIRED FOR COMPLET

THE ATC TR
 91.413 WER
 WITH PART

TRANSPON
 #1

TRANSPON
 #2

DATE
 11-04-7

FAR 91.411 /
 STATIC PRES
 SP

LEFT
 7

S/N 47

DATE:
 11-04-15

FAA AP



Date: 11/16/2015

Tach: 418.5

A/C TT: 418.5

Hobbs: 557.4

Static/TXP due: 12/01/2017

Annual due: 12/01/2016

N61LH

A/C Model: DA 40

A/C S/N: 40.415

ELT Battery due: 12/31/2023

ELT Remote Batt. Due: 03/31/2021

Emergency Batt. Due: 10/01/2016

Performed an annual inspection in scope and detail of items according to FAR Part 43 Appendix D. Performed an annual inspection of the ELT in accordance with FAR 91.207 (d). Replaced the ELT batteries. The new battery replacement date is 12/31/2023. Weighed the fire extinguisher. Removed the battery, capacitance checked, serviced, and reinstalled. Cleaned, inspected, and lubricated all wheel bearings. Replaced the Primary Flight Display with an exchange unit from Garmin (PF Flyers, Inc. performed this work). The nose wheel pant was removed by an unknown person. See weight and balance report this date. PF Flyers performed a 91.413 and a 91.411 inspection. Replaced the L/H tube (P/N 097-500-0) and the L/H tire (P/N 072-449-0). *Ronald Allen Campbell* Work was also performed by Greg Jones, Christopher Nelson, and David Tidwell. I certify that this aircraft has been inspected in accordance with an Annual Inspection and found to be in airworthy condition on this date. Ronald Allen Campbell IA 001959044

CARRIED FORWARD

ENGINEERING RECORD

11

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

SIGNATURE

LICENCE
NUMBER

SouthTecAviation
Mobile (334) 728-6806

Date: Dec. 30, 2016 S/N: 40.415 Reg: N61LH
Tach: 425.3 TTAF: 425.3

Annual / 200 hr inspection completed this date in accordance Diamond Aircraft DA40 AMM rev. The ELT was tested I/A/W Appendix G of the Airworthiness Manual and F.A.R. 91.207(d). ELT remote battery is due 03/2021. Installed new d-cell batteries in ELT, next due 12/2018. Installed new emergency battery (P/N D41-2560-93-00), next due 12/2018. Installed new Halotron fire extinguisher. Replaced inboard fuel probe (P/N 301001-WIP). Replenished brake fluid. Applied fire paint on upper and lower cowling. Repaired fiberglass on pilot side step. Clean and adjusted elevator trim anti-flutter device. Installed rubber damper (P/N DA4-9032-23-01). Installed bearing (P/N 23361_F06SCP) for rudder. Installed new wing to fuselage t-seal (P/N 1110762) on LH/RH wing.

- C/W MSB 40-46 - NLG leg pivot axle: next due at 625.3 hours

See AD Compliance List

I certify this aircraft has been inspected I/A/W a 200hr / Annual inspection and found to be in an airworthy condition.

Glenn M. Lawler

Glenn M. Lawler

AP 2151929 IA

SouthTecAviation
Mobile (334) 728-6806

Date: Jan, 26, 2017 S/N: 40.415 Reg: N61LH
Tach: 425.3 TTAF: 425.3

Installed new Concord RG 25-15M S/N 40847232. Installed I/A/W Diamond DA40 AMM and all applicable FAR's

Inspected installation and returned aircraft to service..

Glenn M. Lawler

Glenn M. Lawler

AP 2151929

AIR TIME AND

[illegible]

FAR 91.411 ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43			
ALTIMETER CERTIFIED TO			
LEFT	FEET	RIGHT	FEET
20,000		20,000	
S/N: 47805060		S/N: 440507	
DATE: 12-8-2017	W/O 8166	INSPECTOR: Richard Ellington	
CAROLINA AVIONICS GROUP, LLC FAA APPROVED REPAIR STATION # QCCR-389K			

N612H

CAROLINA AVIONICS GROUP, LLC

FAA Approved repair station QCCR389K
Altimeter Scale Error

Correction Card

TEST PT(FT)	Indicator Reading at +25c
-1,000	-1020
0	20
500	520
1,000	1020
1,500	1520
2,000	2020
3,000	3020
4,000	4010
6,000	6000
8,000	8000
10,000	10000
12,000	12000
14,000	14000
18,000	16000
18,000	17000
20,000	20000
22,000	
25,000	

Indicator Reading at +25c	TEST
-1020	30,000
20	35,000
520	40,000
1020	45,000
1520	50,000
2020	55,000
3020	60,000
4010	70,000
6000	80,000
8000	
10000	
12000	
14000	
16000	
17000	
20000	

TEST
30,000
35,000
40,000
45,000
50,000
55,000
60,000
70,000
80,000

Indicator Reading at +25c

Altimeter	
Position	
Pilot	
Copilot	

ALT. S/N 440507
DATE 12-8-17

DOC# ECC123

BY FAR
LY WITH
67
25

4-Mar-2019

433.3 tach:

433.3 TTAF&E:

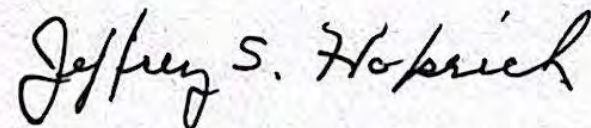
FERRY PERMIT INSPECTION

1. Inspect exterior of aircraft for missing hardware, loose panels, and signs of aircraft damage. No discrepancies found
2. Checked and serviced aircraft tires: mains = 36, nose = 29 PSI
3. Inspect aircraft engine for condition of hoses, security of accessories, leakage of oil, operation of engine control cables, condition of wiring, evidence of exhaust leakage and condition of muffler and tailpipe, condition of induction air filter. No discrepancies noted.
4. Cylinder differential compressions are as follows (xx/80) - engine hot
(# 1: 78/80, # 2 80/80, # 3 76/80, # 4 77/80)
5. Magneto's show no signs of damage, heat distress, or internal leakage. Timing of Mags left: 26° BTDC and right: 25° BTDC. Engine runs up normal with a 750 rpm idle and a normal 50 rpm rise on shutdown. Full throttle static is 2650 rpm. Mags have 100 rpm drop both left and right at 2000 rpm.
6. Propeller shows no signs of grease or oil leakage and functions normally when cycled during run-up. Propeller hub is securely fastened to crankshaft and blades are firmly seated to hub. Hub bolts are securely safetied.
7. All aircraft exterior lighting functions normally.
8. All tires and brakes are in good condition and brakes function normally.
9. ALL AD's have been checked and are within compliance.
10. There is a minor discrepancy in last years Annual Log entry regarding AD 2009-10-14 and should read "Next due at 629.5 hours or December 2018 whichever occurs later." SouthTechAviation" is aware of this error and will correct at the pending ANNUAL.

This aircraft is in an airworthy condition capable of making a one-time ferry flight from KBCB to KRUQ as described within the --Conditions and Limitations-- of the corresponding

SPECIAL AIRWORTHINESS CERTIFICATE

New River Aero
Blacksburg, VA 24060
540-951-0080


Jeffrey S. Hoprich A&P212562013IA

ONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

AIR TIME AND

LOG ID# 737 06-April-2019
N61LH S/N 40.415 DIAMOND/KATANA DA-40

ENGINEERING RECORD
AND AS MANY LINES AS REQUIRED FOR COMPLETION

REMOVED GARMIN GTX33 TRANSPONDER AND INSTALLED
A GARMIN GTX-345R SN: 3EH420878 AS PER STC SA01714WI.

Ref FAA Form 337 dated 04/06/2019 for details.

"The installed ADS-B OUT system was shown to meet
the equipment performance requirements of 14 CFR section 91.227"

Aircraft Weight & Balance was revised.

AP3548069

N61LH
CAROLINA AVIONICS GROUP, LLC
FAA Approved repair station: QCCR389K
Altimeter Scale Error
Correction Card

TEST	Indicator Reading at +25c	Indicator Reading at +25c	TEST PT (FT)
			-1,000
			0
			500
			1,000
			1,500
			2,000
			3,000
			4,000
			6,000
			8,000
			10,000
			12,000
			14,000
			16,000
			18,000
			20,000
			22,000
			25,000

TEST	Indicator Reading at +25c
	30,000
	35,000
	40,000
	45,000
	50,000
	55,000
	60,000
	70,000
	80,000

Altimeter Position	Pilot	Copilot

ALT. SIN 440507
DATE 4-8-19

DOC# ECC123

FAR 91.413
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.

TRANSPONDER #1	MAKE: Garmin	MODEL: GTX345R	S/N: 3EH420878
TRANSPONDER #2	MAKE:	MODEL:	S/N:

DATE: 4-8-2019	WO: 8765	INSPECTOR: Richard Ellington
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N61LH CAROLINA AVIONICS GROUP, LLC
FAA APPROVED REPAIR STATION # QCCR-389K

FAR 91.411
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL SPECIFICATIONS OF APPENDIX E OF PART 43

ALTIMETER CERTIFIED TO

LEFT	FEET	RIGHT	FEET
	20,000		20,000

S/N: 47805060	S/N: 440507
---------------	-------------

DATE: 4-8-2019	W/O: 8765	INSPECTOR: Richard Ellington
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N61LH CAROLINA AVIONICS GROUP, LLC
FAA APPROVED REPAIR STATION # QCCR-389K

ENGINEERING RECORD

13

INSPECTION.
ENTRIES. DRAW A DIAGONAL LINE THRO

SouthTec Aviation
 Office: 704-431-6862

 3330 Airport Loop Road
 Salisbury, NC 28147
 info@southtecaviation.com
LICENCE
NUMBER
 Date: April 17, 2019 | Diamond DA40 | S/N: 40.415 | Reg: N61LH
 Tach: 434.0 hrs. TTAF: 434.0 hrs.

AD 2009-10-04 Nose Landing Gear Pivot Axle complied with in accordance with Diamond Aircraft Industries GmbH MSB40-046/3, dated November 17, 2008. No faults noted. Next due: APR 2020 or 634.0 hours, whichever occurs later. Replaced ELT batteries with Duracell MN1300. EXP: APR 2021. ELT tested in accordance with F.A.R. 91.207(d). Replaced emergency battery pack, P/N: (D60-2560-93-00). EXP: APRIL 2021. Removed and replaced stripes and decals; polished aircraft. Installed new nose fork limiters P/N: (D44-3223-30-32_01). Rethreaded nut plate at MLG inspection panel. Replaced left brake line clamp, P/N: (420420_1). Replaced avionics air filter, Brackett BA368E. Inspected and repacked wheel bearings. Cowling support bracket dis-bonded, pasted bracket to inner cowling. Maintenance performed in accordance Diamond Aircraft DA40-180 AMM Rev 7. I certify that this airframe has been inspected in accordance with an annual/200 hour inspection and was determined to be in an airworthy condition. //END//


 Michael S. Doud

A&P 304660342 IA

Date: 04/28/2020 Hours: 536.5 hrs

Tail#: N61LH

Make: Diamond (Austria) Model: DA 40

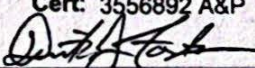
S/N: 40.415

Performed 100/200 hr inspection in ref to Diamond DA40 Series Maintenance Manual. CW AD 09-10-04 by Dye Penetrant Inspection IAW MSB40-046-M-3. Inspected all accessible drain holes and cleaned as necessary. Lubricated flap actuator extension rods, rudder pedal pivots, & rudder cable S-tubes, in ref to section 12-20. Did not grease wheel bearings (New last year w/ less than 2hrs on it). Secured ductwork under pilot/copilot seats w/ new ties. Stop-drilled longitudinal crack in nose wheel half until future repair can be completed. Aired all tires. I certify that this airframe was inspected in accordance with a 100/200 hr Inspection and is airworthy as of this date. _____END_____

Name: Dustin Foster

Cert: 3556892 A&P

Co: Upward Aviation

Sign: 

Date: 04/28/2020 Hours: 436.5

Tail#: N61LH

Make: Diamond (Austria) Model: DA 40

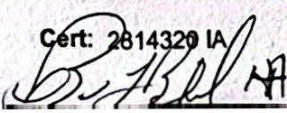
S/N: 40.415

Performed Annual Inspection in reference to Diamond DA40 Series Maintenance Manual Rev 7. All ADs complied with to this date. Performed ELT test per FAR 91.207. Ops check good. Batteries due Mar 2028. I certify that this Airframe has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition. _____END_____

Name: Brian Behal

Cert: 2814320 IA

Co: Upward Aviation

Sign: 

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					Upward Aviation KPSK AIRPORT Date: 05/24/2021 Tail# N61LH SN: 40.415 AC Time: 483.0 ELT battery expires March 2028. Lubrication of all control surface systems. cleaned and repacked wheel bearings. Cleaned and exercised keys on MFD1 and MFD2. Ops check good. R + Replaced Nose gear 5.00 x 5 tire with PN AB3D2 4ply and Tube PN 72-19456. and reinstalled wheel on aircraft. Serviced all three gear tire pressures per Diamond DA-40 MM. Completed Annual inspection of Airframe per Diamond DA-40 MM checklist IAW by FAR 43 Appendix D. Found to be airworthy condition and approved to return to service. Mechanic: <u>Hiram Leon</u> Hiram Leon A&P 3422969 IA

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/28/2021 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 444.3

Work Performed: Removed wheel pants. See weight and balance dated 8/28/2021. Replaced both main tires and brake rotors. Installed new brake pads on both main wheels. Replaced nose wheel.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

William Painter A&P 3170695 IA



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 08/19/2021
Aircraft: N61LH S/N: 40.415
Type: DA40
Tach: 442.3 Hobbs: 600.2
WO: A21-0311

Airframe Entries

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E.
Altimeter was tested to 20,000 Ft.

Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F.

Make/Model Garmin GTX345R

SN# 3EH420878

Mode: A/C/S

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moore CRS#: BGSR439C

ENGINEERING RECORD

14

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/15/2021 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 487.4

Work Performed: white navigation light P/N A508-28 replaced on right wing. After light was installed operation test was preformed and operating correctly.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P Mechanic Pending

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/30/2021 Tail #: N61HL

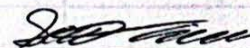
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 537.0

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Removed rudder and lower fin to remove debris. Reinstalled rudder and lower fin. Resealed lower fin. Removed old sealant around all antennas and resealed. Replaced emergency backup battery next due: 10/25/2023. Main battery replace with a serviceable battery.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/30/2021 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 537.0

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

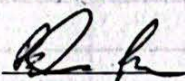
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/4/21 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 548.6

Work Performed: Performed ELT test per FAR 91.207. Ops checked good. Batteries due Mar 2028. All work done I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Brandon Pierson A&P 3836779

AIR TIME AND

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/26/2021 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 584.5

Work Performed: Installed right wingtip from N506MA.
Inspected right wing for damage.

Operational check performed with no defects noted at this time

All work listed above was performed I/R/T Diamond DA40
Maintenance Manual and AC 43.13. In reference to the work
listed above, this aircraft was found to be in an airworthy
condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 1/8/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 641.1

Work Performed: Cleaned, inspected, and serviced all wheel
bearings. Inspected and lubricated all flight controls. Replace right
side brake liners. Installed new Michelin 5.00-5 tire tube P/N 097-
908-0 on nose wheel. Installed new Michelin 6.00-6 tire tube P/N
092-315-0 on right main wheel. Replaced CAV-180 fuel drain in
left wing. Removed wheel fairings mounting plate and replaced
bolts with Diamond P/N LN9037-M6X42. Removed peeling fire
paint and painted ware paint had been removed.

Performed ground run and operational inspection of aircraft and
systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series
Maintenance Manual and AC 43.13. In reference to the work
listed above, this aircraft was found to be in an airworthy
condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 1/8/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 641.1

Work Performed: I certify this aircraft has been serviced and
inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40
Maintenance Manual and AC 43.13. This aircraft was found to be
in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 1/11/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 641.1

Work Performed: Complied with AD 2009-10-04 in accordance
with Paragraph (f)(3) of the AD. Next inspection due in
1/11/2023

All work listed above was performed I/R/T Diamond DA40
Maintenance Manual and AC 43.13. In reference to the work
listed above, this aircraft was found to be in an airworthy
condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/1/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 6820

Work Performed: replaced fuel pump with New JC Aviation Fuel Pump P/N: 5100-00-9CJ, S/N: 4466-4471 from Work order 304327. Primed pump and checked for proper flow to fuel divider.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/28/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 722.7

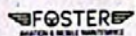
Work Performed: replaced alternator with a new alternator from Hartzell Engine Technologies (P/N: ALU-8521LS S/N: H-V040563 work order: M146010).

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305



Dustin Foster
5303 Cougar Circle
Dublin VA 24084
5403071478

Make: Diamond (Austria)
Model: DA 40
Tail: N61LH
S/N: 40.415

Hours: AFTT: 741.1 TT: 741.1 Hobbs: 1041.6

Performed Annual Inspection in ref to Diamond DA40 Series MM Rev 7 Section 5-28.

Performed the following:

- Found brake reservoirs low. Topped off brake fluid with Mil-5606-H.
- ELT was inspected & tested IAW FAR 91.207(d). ELT battery due Mar 2028.
- Removed, cleaned, inspected, and reinstalled gascolator screen. Safetied.
- Removed main wheels for inspection. Reinstalled after cleaning and re-greasing.
- Removed, cleaned, greased, & reinstalled nosefork on strut. Tensioned to 9lb pull.
- Secured flap torque tube boots w/ zipties.

All work completed in ref to Diamond DA40 Series MM Rev 7 and AC43.13 1B.

All ADs complied with to this date.

I certify that this airframe was inspected in accordance with an annual inspection and was found to be airworthy at this time.

Signed:

Name: Dustin Foster

Cert: 3556892 IA

Date: 03/10/2022

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/10/2022 Tail #: N61LH

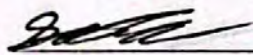
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 741.1

Work Performed: Cleaned and serviced all wheel bearings. lubricated all flight controls. Adhered wire supports in aft fuselage. Installed two new exhaust clamps on cylinder 1. Installed two new exhaust clamps on cylinder 3. Battery was tested in accordance with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171 and AC 43.13.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 4/4/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 783.4

Work Performed: Replaced left main tire with new 6-6.00 from Goodyear Tire and Rubber CO. P/N 606C61B1 form work order 791107459400.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/3/2022 Tail #: N61LH

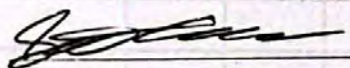
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 480.7

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced right and left side Cleveland brake liners P/N 066-14100. Replaced cabin heat air hose. Replaced jack plates on right and left side jack points. Replaced fuel filter P/N FIA 375(scr375). Replaced grounding strap on flap assist actuator.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

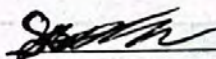
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/3/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 480.7

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/28/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 933.2

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Installed retreaded tire 6.00-6 tire on right main wheel P/N 606C66-8 S/N 71692361 work order number 36657901. Replaced flap up indicator light. Replaced bearings in nose wheel fork P/N: BB4526DU-B. Replaced the felt bearings seal in the nose wheel P/N 154-00600. Replaced right side strobe P/N A610. Resolved discrepancy list from bonding check.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/26/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 933.2

Work Performed: Performed Bonding System and Static Discharging System checks per section four of the AMM. A list of defects was provided to the aircraft operator.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 3170695 IA

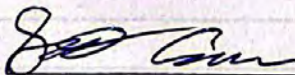
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/28/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 933.2

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 07/28/2022
Aircraft: N61LH
Type: DA40 S/N: 40.415
Tach Time: 933.2 Hobbs: 1322.1
WO: A22-0342

1

Airframe Entries

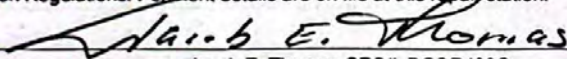
Ramp checked and verified complaint. Troubleshoot and determined the RH fuel gauge wiring was shorted causing the GEA to Red X. Reseated the wiring at fuel level sending unit connector. The GEA71 will now come online and is functioning. The GEA71 ramp checked good as per the G1000 LMM#190-00545-01.

Removed the #2 GIA63 P/N011-00781-00 S/N 46902218 and installed factory exchange GIA63 P/N011-00781-00 S/N46903198. This required a complete software reload. Installed complete system software and re-loaded applicable software to the GTX345 transponder. The #2 GIA63 is working but is unable to receive GPS signal. Troubleshoot and determined the GPS2 antenna is defective. Placarded the instrument panel "GPS 2 Inop." This work performed as per the Diamond G1000 LMM#190-00545-01.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.



Jacob E. Thomas CRS#: BGSR439C

ENGINEERING RECORD

AND AS MANY LINES AS REQUIRED FOR COMPLETE

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/17/2022 Tail #: N61LH

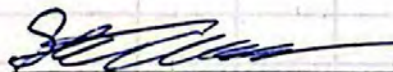
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 966.4

Work Performed: Replaced fuel sumps (P/N:CAV-180) on right and left tanks. Torqued to spec and safetied.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Airframe Date: 8/30/2022 Tail #: N395JP

A/C Make/Model: Diamond DA40

A/C S/N: 40.410 Tach Time: 5571.9

Work Performed Replaced right side strobe bulb P/N A610. Ops check good.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

1. Approving competent Authority/Country <i>Autorité Compétente/Pays</i> DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE		2. AUTHORISED RELEASE CERTIFICATE <i>Certificat Libérateur Autorisé</i> EASA FORM 1 <i>Formulaire 1 de l'EASA</i>			3. Form Tracking Number <i>N° de repère du Formulaire</i> 21 / 95768 / NKE / N 	
4. Organisation Name and Address : <i>Nom et Adresse de l'Organisme :</i>  MANUFACTURE FRANÇAISE DES PNEUMATIQUES MICHELIN Place des Carmes Déchaux 63000 CLERMONT-FERRAND FRANCE <i>(MICHELIN AIRCRAFT TIRE)</i>		5. Work Order / Contract / Invoice <i>Bon de commande / Contrat / Facture</i> 1322T00083				
6. Item / <i>Item</i>	7. Description / <i>Description</i>	8. Part No. / <i>N° de pièce</i>	9. Qty / <i>Qté</i>	10. Serial No. / <i>N° série</i>	11. Status / Work / <i>Etat / Travaux</i>	
N/A	6.00-6/6/120	072-314-0 	1	1322T00083 	NEW	
12. Remarks <i>Remarques</i> Norme(s): ETSOC62d, TSOC62e ETSOC62d Approval Number: EASA.210.945, TSOC62e LODA Approval Number: TF/sn/8/14/2008-427			This document has been issued according to an approved computer generated signature procedure' 'Ce document a été émis selon une procédure approuvée de signature électronique'			
13a. Certifies that the items identified above were manufactured in conformity to : <i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :</i> ☒ approved design data and are in a condition for safe operation <i>données de conception approuvées et sont en état de fonctionner en toute sécurité</i> ☐ non-approved design data specified in block 12 <i>données de conception non approuvées spécifiées dans la case 12</i>			14a. ☐ Part 145.A.50 Release to Service <i>Approbation pour remise en service</i> <i>Selon Partie 145.A.50</i> ☐ Other regulation specified in block 12 <i>Autre réglementation précisée en case 12</i> Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service. <i>Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.</i>			
13b. Authorised Signature <i>Signature autorisée</i> 		13c. Approval/Authorisation Number <i>Numéro d'agrément/d'autorisation</i> FR.21G.0100		14b. Authorised Signature <i>Signature autorisée</i>		
13d. Name / <i>Nom</i> UTAI Wised		13e. Date (dd mmm yyyy) / <i>Date (jj mmm aaaa)</i> 21 Nov 2021		14c. Certificate/Approval Ref. No <i>N° du Certificat/Agrément</i>		
14d. Name / <i>Nom</i>		14e. Date (dd mmm yyyy) / <i>Date (jj mmm aaaa)</i>				

USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur

This certificate does not automatically constitute authority to install the item(s).
Ce document ne constitue pas forcément l'autorisation d'installer l'(es) item(s)

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.
Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 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.
Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/29/2022 Tail #: N61LH

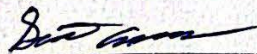
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1031.6

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced CO Detector in cockpit. Installed new ELT Model E-04 I/R/T ACK Technologies INC. Manual P/N E04M date 03/12/2022 REV 1.12. Conducted essential bus check **Next due: 2031.6 hours**

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/29/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1031.6

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a **100 Hour Inspection** I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/24/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1081.2

Work Performed: installed new bonding strap on right flap. Checked flap deflection angles.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/14/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1107.8

Work Performed: Inspected brake liners, brake rotors. Replaced Left main tire with new Michelin 6.00-6/6/120 tire P/N: 072-314-0 S/N: 1322T00083. Replaced tire tube on Left side main with Michelin 17.5x6.25-6+6.00-6 tire tube, P/N: 092-500-0 lot #: 20/2021 inspected wheel and bearings.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION
	HRS.	MIN.	HRS.	MIN.	



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 11/18/2022
Aircraft: N61LH
Type: DA 40 S/N: 40.415
Hobbs: 1564.0 Tach Time: 1109.0
WO: A22-0463

Airframe Entries

Removed and replaced Garmin MFD GDU1040 PN: 011-00972-00 SN: 86500513 with OH Exchange unit PN: 011-00972-00 SN: 86502139. Loaded software and configuration, and ramp checked Garmin G1000 System with no discrepancies noted. All work performed i/a/w Garmin G1000 Diamond DA 40 System Maintenance Manual PN: 190-00545-01 Rev. G.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jacob E. Thomas CRS#: BGSR439C

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/28/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1118.5

Work Performed: replaced right wing power supply box P/N: 01-0770062-05 for the strobe light.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/8/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1125.3

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Re-glued pilot side carpet. Replaced alternator brushes with P/N: ALU-3045BS. Replace Exhaust riser on cylinder #3 P/N: DA40-102. Replace canopy[y strut P/N: DAI-9052-00-10. Replaced Rear passenger door strut P/N: DIA-9052-00-11 Replaced the felt P/N 154-01400 and grease seals P/N: 153-00900 in both main wheels. Replaced the felt P/N 154-00600 and grease seals P/N: 153-00800 in nose wheel. Replace brake liners on both pilot side and co-pilot side P/N: 066-14100. Weighed aircraft and placed updated weight and balance sheet into the AFM.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons A&P 4560305

CARRIED FORWARD

ENGINEERING RECORD

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012
1/26/2023

Airframe Date: 12/26/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1216.2

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/8/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1126.2

Work Performed: I certify this aircraft inspected I/A/W a 100 Hour Inspection Maintenance Manual and AC 43.13. The aircraft is in an airworthy condition and is approved for return to service.

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced camlock and camlock receptacle on pilot side next to the spinner. Installed new mounting hardware in the back seats. Complied with Instructions listed in

BASE CERTIFICATE BUSINESS APPROVAL TAG

3. Form Tracking Number:

304570

Scott Emmons A&P

5. Work Order/Contract/ Invoice Number: 304570

9. Quantity:

10. Serial Number :

11. Status/Work:

8

4513-4520

New

Kane Aviation
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 1/26/2023

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1126.2

Work Performed: I certify this aircraft inspected I/A/W a 100 Hour Inspection Maintenance Manual and AC 43.13. The aircraft is in an airworthy condition and is approved for return to service.

4 CFR 43.9 Return to Service

☒ Other regulation specified in block 12

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.

Authorized Signature:

14c. Approved/Certificate No:

14e. Date:

Responsibilities

I hereby constitute authority to install the aircraft engine/propeller/artical.

I hereby constitute authority different that the airworthiness authority of the country specified in the certificate of registration to install the engine(s)/propeller(s)/artical(s) from the airworthiness authority of the country specified in the certificate of registration.

Aircraft maintenance records must contain an installation certification issued in accordance with the applicable regulations.

NSN:0052-00-012-9005

AIR TIME AND

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/3/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1227.4

Work Performed: installed overhauled midcontinent turn coordinator P/N: 1394T100-12RZ S/N: B04-10506.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/19/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1309.3 Total Time: 1309.3

Work Performed: Replaced pilot side rudder peddle adjustment cable. Reset rudder cables to proper tension. Replaced right main tire and tube. Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight and engine controls. Differential compression test performed results as follows: #1: 72/80, #2: 77/80, #3: 78/80, #4: 76/80

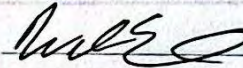
Complied with the following ICAs:

Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Essential bus inspection. Next due at AFTT: 2031.6
Electrical Bonding Inspection next due at AFTT: 1933.2
Emergency battery. Next due Oct 2023

Complied with AD15-19-07 External Fuel Injector Lines, effective 11/03/15 by visual inspection, next due by AFTT: 1419.3. Complied with AD 2009-10-04 Nose landing gear leg, effective 6/17/09. Inspection performed per Diamond SB No MSB40-04/3 next due ATT 1509.3 or 12 months whichever comes later.

Performed ground run and leak check, no leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/19/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1309.3

Total Time: 1309.3

Work Performed: I certify this aircraft has been serviced and inspected I/R/T an Annual Inspection I/R/T Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/19/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1309.3

Work Performed: Inspected and tested the ACK Technologies E-04, S/N: 040495 ELT in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). Batteries due replacement by Aug 19 2027.

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/16/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1405.6

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced placard for Skytec starter. Replaced in cockpit carbon monoxide detector(P/N: 1305755). Removed and painted new fire paint on top cowl. Replaced cup(P/N: 08231-20629) and cone(P/N: 08125-20629) bearings on both sides of the nose wheel. Replaced brake liners(P/N: 066-14100) on Co-pilot side mains. Installed new battery(Duracell 28L) in the remote ELT switch. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/16/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1405.6

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/27/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1434.5

Work Performed: replaced left step.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 3170695

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/22/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1503.2

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced brake liners(P/N: 066-14100) on pilot side mains. Replaced flap up micro switch. (P/N: 159-4269). Put new safety on emergency switch. Removed attitude indicator installed blank off plate. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

AIR TIME AND

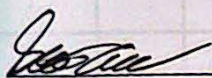
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/22/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1503.2

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/1/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1599.6

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Installed overhauled attitude indicator from midcontinent instruments and avionics P/N: 504-0111-944 model #1100-28K(10) S/N: 504011194425182. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/1/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1599.6

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/1/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1599.6

Work Performed: Installed Whelen LED nav and strobe lights per Diamond work instruction WI-OSB 40-088 Rev. 1. Removed old strobe power supplies see weight and balance dated 12/14/2023.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 3170695 1A

CARRIED FORWARD

ENGINEERING RECORD

20

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/1/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C SN: 40.415 Total Tach Time: 1599.6

ed: Cleaned, inspected, and serviced all wheel
ted and lubricated all flight controls. Installed
de indicator from midcontinent instruments and
4-0111-944 model #1100-28K(10)
25182. Complied with Instructions listed in Concorde RG
ft Battery Component Maintenance Manual No. 5-0171.

und run and operational inspection of aircraft and
lks or defects noted at this time.

above was performed I/R/T Diamond DA40 Series
annual and AC 43.13. In reference to the work
s aircraft was found to be in an airworthy
approved for return to service.

Scott Emmons A&P 4560305



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGR439C

Date: 08/29/2023
Aircraft: N61LH
Type: DA40 SN: 40.415
Tach Time: 1668.6 Hobbs: 2370.8
WO: A23-0332

SIGNATURE

LICENCE
NUMBER

Airframe Entries

I certify that this altimeter system, static system test required by 14 CFR 91.411 have been performed and comply with 14 CFR part 43 Appendix E. Altimeter was tested to 20,000 Ft. Altitude reporting system test to 20,000 Ft.

I certify that this transponder test required by 14 CFR 91.413 have been performed and found to comply with 14 CFR Part 43, Appendix F. Make/Model Garmin GTX345R SN# 3EH420878; Mode: A/C/S

End.

Maintenance Release
The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moorefield CRS# BGR439C

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

1/2023 Tail #: N61LH

Diamond DA40

Tach Time: 1599.6

Installed Whelen LED nav and strobe lights
instruction WI-OSB 40-088 Rev.1. Removed
plies see weight and balance dated

performed with no defects noted at this time.

c was performed I/R/T Diamond DA40
and AC 43.13. In reference to the work
craft was found to be in an airworthy
roved for return to service.

William Painter A&P 3170695 IA

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/15/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C SN: 40.415 Total Tach Time: 1682.9

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced broken cam locs on the top cowl. Replaced left main Tire with retread from Wilkerson tire co. (S/N: 11075360 W/O: 53754944) replaced tire tube on left main with good year tube G15/6.00-6. Replaced brake liners on right and left mains with Cleveland P/N:066-14100. Replaced brake disks on both mains with P/N:APS164-24400. Installed new PFD data card. Replaced connection hoses on right side fuel tanks(P/N:D41-2817-10-70). Replaced Air filter (P/N: FR-08504). Installed new 3" diameter seat tube between fire and heat exchanger. Replaced G1000 filter element(P/N:BA-368E). Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/15/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C SN: 40.415 Total Tach Time: 1682.9

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/18/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1762.7

Work Performed: Repined fuel quantity probe connector in left wing stub.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/15/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1682.9

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced nose fork with used and servable nose fork (P/N D44-3223-30-00_02). Installed retreaded nose wheel (P/N: 30842 S/N: B3D42308) from Wilkerson company, W/O: 36657560. Installed a new Michelin tire tube P/N 097-908-0 from lot 43/2021. Installed new stall horn (P/N 0713348-1 Rev.E). Replaced bonding straps for the rudder tower. Replaced Emergency Backup Battery with new (D41-2560-93-00). Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/27/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1772.6

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 10/10/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1814.8

Work Performed: Replaced Landing light with new DIS 35W bulb.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/4/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1870.5

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced nose wheel bearings and races on both sides of the nose wheel (P/N: 08321-20629, P/N: 08125-20629). Replaced pilot side tire with retreaded tire from Wilkerson company, Inc. (P/N: 072-314-0 S/N: 6147S00042 W/O: 53754940). Replaced co-pilot side tire with retreaded tire from Wilkerson company, Inc. (P/N: 072-314-0 S/N: 7203S00032 W/O: 53754941). Replaced pilot map light with a new lamp (P/N: DAL-9033-00-01x0). Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/4/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1870.5

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/16/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1899.9

Work Performed: Installed new brush block in alternator.

Operational check performed with no defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P 3170695

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/1/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1939.7

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced top brake line clamps on pilot side landing gear. Adjusted ruder cable tension. Installed overhauled Artificial Horizon (P/N: 504-0111-944 M/N: 1100-28k(10) S/N: 504011194425190) From midcontinent. Removed body filler that had separated from the fiberglass at the base of the vertical stab. Applied new filler and paint. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed Bonding Check and Essential bus inspection. Next Due at 2939.7. AD 07-11-21 complied with by inspection next due at 2939.7. AD 14-13-08 completed in accordance with MSD 40-4

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, the aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/1/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1939.7

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/2/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 1939.7

Work Performed: removed copilot and rear passenger map lights and installed new LED map light assembly (D60-3313-11-00_01) in co-pilot and rear passenger positions.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/12/2024 Tail #: N61LH

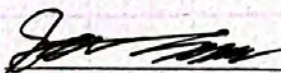
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2000.4

Work Performed: Complied with AD 93-05-06 by completing SB92-01 Revision E. Next due 4,000.4 Tach time.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/15/2024 Tail #: N61LH

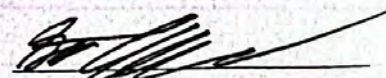
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2009.4

Work Performed: Replaced stall horn with a new stall horn (P/N: DA4-2739-10-00X02). Installed new brake liners on right and left side mains (P/N: 066-14100).

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/26/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C SN: 40.415 Total Tach Time: 2027.8

Work Performed: Removed instrument panel cover and reconnect MFD fan plug. Reinstall instrument panel cover.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 04/19/2024
Aircraft: N61LH
Type: DA40 SN: 40.415
Tach Time: 2029.2
WO: A24-1075

1

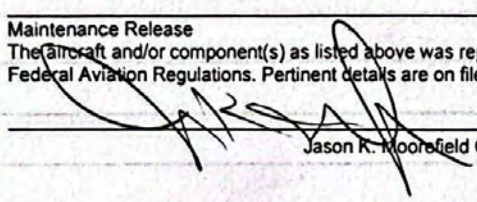
Airframe Entries

Removed failed PFD Garmin GDU1040 PN: 011-00972-00 SN: 86502210 and installed factory exchange unit PN: 011-00972-00 SN: 86503664. Loaded software and configuration, and ramp checked Garmin G1000 System with no discrepancies noted. All work performed i/a/w Garmin G1000 Diamond DA 40 System Maintenance Manual PN: 190-00545-01 Rev. G.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.



Jason K. Moore field CRS# BGSR439C

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/10/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

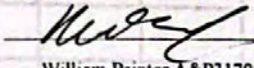
A/C S/N: 40.415 Tach Time: 2029.2 Total Time: 2029.2

Work Performed: Installed new main battery. Installed LED landing and taxi lights I/R/T Diamond W1-OSB 40-77. Repaired defects in the bottom half of the right wing per chapter 51 in the Diamond maintenance manual. Installed maintenance holes in the right wing I/R/T Diamond W1-OSB 40-078. Cleaned, inspected, and serviced all wheel bearings. Replaced right main wheel bearings. Inspected and lubricated all flight and engine controls. Differential compression test performed results as follows: #1: 78/80, #2: 76/80, #3: 72/80, #4: 76/80.

Complied with the following ICAs:
Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Essential bus inspection. Next due at AFTT: 2939.7
Electrical Bonding Inspection next due at AFTT: 2939.7
Emergency battery. Next due Oct 2025

Complied with AD15-19-07 External Fuel Injector Lines, effective 11/03/15 by visual inspection, next due by AFTT: 2139.2. Complied with AD 2009-10-04 Nose landing gear leg, effective 6/17/09. Inspection performed per Diamond SB No MSB40-04/3 next due ATT 2229.2 or 12 months whichever comes later.

Performed ground run and leak check, no leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/10/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2029.2

Total Time: 2029.2

Work Performed: I certify this aircraft has been serviced and inspected I/R/T an **Annual Inspection** I/R/T Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.


William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

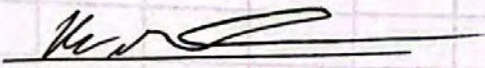
Airframe Date: 6/10/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2029.2

Work Performed: Inspected and tested the ACK Technologies E-04, S/N: 040495 ELT in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d).
Batteries due replacement: Main Battery Aug 19 2027
Remote Battery 5/2027

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.


William Painter A&P31706951A

CARRIED FORWARD



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 06/17/2024
Aircraft: N61LH
Type: DA40 SN: 40.415
Hobbs: 2900.5
WO: A24-1136

1

SIGNATURE

LICENCE
NUMBER**Airframe Entries**

Ramp checked and found the Transponder Mode C inop and the GDL90 Traffic interface is also showing failed on system status. Entered the G1000 System maintenance mode and found that the General purpose output to the transponder was set to output on Arinc Port 3. This aircraft is wired for the Transponder to accept General purpose output from port 1. Changed the GIA2 General Purpose output to port 1. Performed a ramp check of the transponder by applying airspeed to the aircraft and completing a ramp check of the transponder. The Transponder mode C is now operational and the GDL90 Traffic interface is also fully functional. This work performed as per Garmin GTX345 install manual #190-00734-10.

End.**Maintenance Release**

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moore
Jason K. Moore CRS# BGSR439C

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/1/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2034.6

Work Performed: installed new JC Aviation Fuel Pump P/N: 5100-00-9CJ Primed pump and checked for proper flow to fuel divider.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons
Scott Emmons A&P 4560305

1. Approving Civil Aviation
Authority/Country:
FAA/UNITED STATES

2.

AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address:

HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL 36117

6. Item:

1

7.

Description:

STARTER
**** END ****

8.

Part Number:

149-24LS

9.

12. Remarks:

AIRWORTHINESS APPROVAL- PARTS FOR PMA ELIGIBILITY SEE WWW.HARTZELLAERO.PMA/

AND

ENGINEERING RECORD

BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION



310 Hanger Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Aircraft: N61LH
Type: DA40 SN: 40.415
Hobbs: 3016.0 Tach Time: 2111.3
WO: A24-1171

Airframe Entries

Ramp checked and verified the complaint. Unit displays "Return PFD 1 for Service".
Confirmed with Garmin tech support on GDU diagnostics page that the unit shows IIC EEPROM Red X. Removed failed Garmin GDU1040 PN: 011-00972-00 SN: 86503664 and installed factory OH warranty exchange unit PN: 011-00972-00 SN: 86501189. Loaded the system software to the MFD and performed a full system configuration. This work was completed as per the Diamond DA40 G1000 LMM #190-00545-01. G1000 Ramp checked good with no alerts.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K. Moorefield CRS# BGSR439C

CARRIED FORWARD

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/30/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2111.8

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced Flaps takeoff position light. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/30/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2111.8

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a **100 Hour Inspection** I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

Date: 08/06/2024
Aircraft: N61LH
Type: DA40 SN: 40.415
Hobbs: 3028.7
WO: A24-1178

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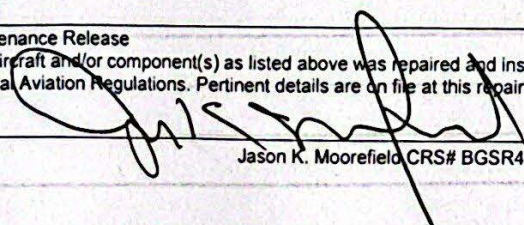
Airframe Entries

Ramp checked and verified the complaint. Removed failed Garmin GRS77 PN: 011-00868-00 SN: 47402518 and installed factory exchange unit GRS 77 PN: 011-00868-00 SN: 47402272. Loaded the applicable software for the Diamond G1000 system configuration software level 0321.22. The pilot's attitude display ramp checked good. This work was performed as per Garmin G1000 Diamond LMM# 190-00545-01.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.



Jason K. Moorefield CRS# BGSR439C

AIR TIME AND

COMPLETE

DATE

DAILY
TOTAL

TOTAL AIR
TIME SINCE
MFG.

HRS.

MIN.

HRS.

MIN.

BROUGHT
FORWARD

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/12/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2130.2

Work Performed: Installed new Michelin 6.00-6 tire (P/N: 072-314-0) with new Aero Classic 6.00-6 inner tube (P/N: GL-6020B) on the right side main axel.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

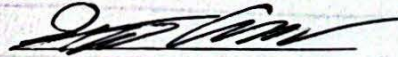
Airframe Date: 9/30/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2207.5

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Installed new stall horn P/N: DA4-2739-10-00X02. Tightened stop nut on ignition. Replaced seat tubing to battery vent. Installed new jack plate on pilot side. Installed retreaded tire on nose wheel (P/N: 505C61-8 S/N: 72532015) from Wilkerson company, inc. installed new top brake line clamp on co-pilot side. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

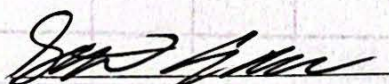
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 9/30/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2207.5

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/6/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2284.4

Work Performed: Disabled auto pilot and placarded auto pilot and electric trim inoperable.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

ENGINEERING RECORD

25

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/19/2024 Tail #: N611H

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2294.1

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced seat tubing to alternator, the front of the cowling the heat exchanger, and from the heat exchanger to the fire wall. Installed new "O" ring (p/n: ORO375) on the gascolator. Installed new EGT sensor (P/N: A0002BG) Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 11/19/2024 Tail #: N611H

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2294.1

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 12/10/2024 Tail #: N611H

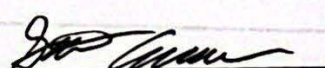
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2312.2

Work Performed: Removed damaged wingtip from the right wing and installed serviceable replacement wingtip.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/14/2025 Tail #: N611H

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2392.7

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced the bearing and race on disc side of both pilot and copilot main wheels. Replaced brake liners on pilot and copilot side. Replaced broken bonding straps on flap bellcrank. Installed a serviceable nose gear leg damper assembly. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.


Scott Emmons A&P 4560305

AIR TIME AND

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 3/19/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2439.6

Work Performed: Installed new NLG strut P/N: D41-3223-10-00_2 with new hardware I/A/W AD2024-19-08. Installed new JC Aviation fuel boost pump P/N: 5100-00-9CJ S/N: MC00095

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

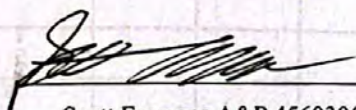
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/14/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2392.7

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 4/17/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2481.5

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Installed new Camloc receptacle on front right of bottom cowl. Replaced alternator brush block assembly (P/N: ALU-3045BS). Installed new tire (P/N: 072-314-0) with new tire tube (P/N: GL-6020B) on pilot side main wheel. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 4/8/2025 Tail #: N61LH

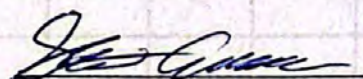
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2471.9

Work Performed: Installed new rudder pedal adjustment cable on pilots side.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

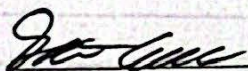
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 4/17/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2481.5

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 5/12/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2534.4

Work Performed: Installed new installed new Dual Gang Potentiometer(P/N: KKS3U5020R24) for the instrument switch.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/23/2025 Tail#: N61LH

A/C Make/Model: DiamondDA40

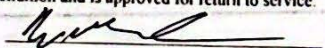
A/C S/N: 40.415 Tach Time: 2577.2 Total Time: 2577.2

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Replaced right main tire. Replaced both brake rotors and brake pads. Replaced pilot side rudder adjustment cable. Inspected and lubricated all flight and engine controls. Differential compression test performed results as follows: #1: 79/80, #2: 77/80, #3: 78/80, #4: 79/80. Repaired fire paint on top and bottom cowlings.

Complied with the following ICAs:
Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Essential bus inspection. Next due at AFTT: 2939.7
Electrical Bonding Inspection next due at AFTT: 2939.7
Emergency battery. Next due Oct 2025

Complied with AD15-19-07 External Fuel Injector Lines, effective 11/03/15 by visual inspection, next due by AFTT: 2687.2.

Performed ground run and leak check, no leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/23/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2577.2

Total Time: 2577.2

Work Performed: I certify this aircraft has been serviced and inspected I/R/T an Annual Inspection I/R/T Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 6/23/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2577.2

Work Performed: Inspected and tested the ACK Technologies E-04, S/N: 040495 ELT in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d).
Batteries due replacement: Main Battery Aug 19 2027 Remote Battery 5/2027

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/8/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2677.9

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced o-ring (P/N: ORO375) for gascolator. Replaced bushings (P/N: BB4526DU-B) in nose fork. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

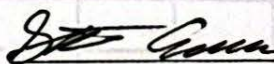
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 8/8/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2677.9

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

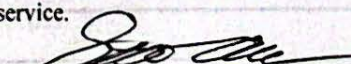
Airframe Date: 9/12/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2772.9

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Replaced bearings(P/N:08125-20629) and race(P/N: 08231-20629) on both sides of the nose wheel. Replaced felt seals(P/N: 154-00600) on both sides of the nose wheel. Inspected and lubricated all flight controls. Installed new CO2 detector(ASA-Co-D).installed a new camlock receptacle(P/N: 244-16G)on the left front of the bottom cowl. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed. Main battery failed test. Replaced with new RG24-15M.

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

CARRIED FORWARD

27

Scott Emmons A&P 4560305

[illegible]

Date: 09/17/2025
Aircraft: N61LH S/N:40.415
Type: DA40
Hobbs :3981.7 Tach:2781.7
WO-A25-0207

Jason K. Moorefield CRS#: BGSR439C

CARRIED FORWARD

Airframe Date: 11/15/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2867.4

Airframe Date: 10/28/2025 Tail #: N61LH

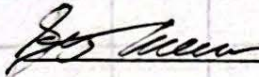
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2846.3

Work Performed: Installed emergency back up battery. Next due 10/2057.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

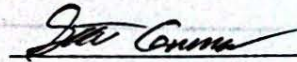


Scott Emmons A&P 4560305

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced damaged bonding straps on the rudder tower, between the canopy and firewall, and on the co-pilot aileron pushrods. Replaced bottom washer in the nose gear stack (P/N: D41-3223-20-02). Installed retreaded tire (P/N: 072-314-0) and new tire tube (P/N: GL-6020B) on pilot side wheel. Completed electrical bonding check. Completed essential bus inspection. Complied with Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171. Completed.

Electrical Bonding check next due: 3867.4 Tach time
Essential Bus inspection next due: 3867.4 Tach time

Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



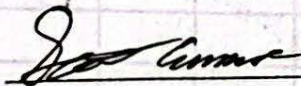
Scott Emmons A&P 4560305

Airframe Date: 11/15/2025 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2867.4

Work Performed: I certify this aircraft has been serviced and inspected I/A/W a 100 Hour Inspection I/R/T Diamond DA40 Maintenance Manual and AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Airframe Date: 1/15/2026 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2937.3

Work Performed: Installed new CJ fuel pump(P/N: 5100-00-9CJ).

Performed operational inspection and leak check of aircraft and systems. No defects or leaks noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

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

Airframe Date: 2/27/2026 Tail #: N61LH

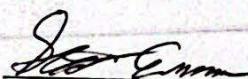
A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2959.6

Work Performed: Removed this propeller from aircraft S/N: 40.415. Removed Woodward governor P/N: C210776 S/N: 00040.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



Scott Emmons A&P 4560305

Airframe Date: 5/5/2026 Tail#: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2959.6 Total Time: 2959.6

Work Performed: Replaced fuel tank interconnect hoses in the left wing. Replaced main aircraft battery. Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight and engine controls. Differential compression test performed results as follows: #1: 75/80, #2: 76/80, #3: 76/80, #4: 74/80. Repaired fire paint on top and bottom cowlings.

Complied with the following ICAs:
Instructions listed in Concorde RG Series Main Aircraft Battery Component Maintenance Manual No. 5-0171, no defects
Instructions listed in Garmin Drawing No. 190-00545-01
Essential bus inspection. Next due at AFTT: 3867.4
Electrical Bonding Inspection next due at AFTT: 3867.4
Emergency battery. Next due Oct 2027

Complied with AD15-19-07 External Fuel Injector Lines, effective 11/03/15 by visual inspection, next due by AFTT: 3069.6

Complied with AD2026-06-03 Fuel Tank Connection Hoses effective 4/30/26 by replacing hoses in the left wing with D41-2817-10-70 hoses the right wing had nonaffected hoses installed. Next due NA

Performed ground run and leak check, no leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

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

Airframe Date: 5/5/2026 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2959.6

Total Time: 2959.6

Work Performed: I certify this aircraft has been serviced and inspected I/R/T an **Annual Inspection** I/R/T Diamond DA40 Maintenance Manual and FAR AC 43.13. This aircraft was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A

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

Airframe Date: 5/5/2026 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2959.6

Work Performed: Inspected and tested the ACK Technologies E-04, S/N: 040495 ELT in this aircraft according to applicable Aircraft and ELT manufactures instructions and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d).
Batteries due replacement: Main Battery Aug 19 2027 Remote Battery 5/2027

In reference to the work listed above, this ELT was found to be in an airworthy condition and is approved for return to service.



William Painter A&P31706951A



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-8434
CRS# BGSR439C

DATE
Aircraft: N61LH
Type: DA40 SN: 40.415
Hobbs: 4241.8
WO: A26-0200

Airframe Entries

Ramp checked the King KAP140 autopilot and confirmed that the ROLL mode will always roll the aircraft to the right and in the heading mode the system will not null the controls until the heading bug is more than 20 degrees in the opposite direction. Removed the connector from the autopilot Turn Coordinator. Tested the Turn coordinator tach output with no faults found. Tested the turn coordinator roll rate gyro Roll output circuit from pins C and D on the Turn Coordinator to pins 3 and 21 connector J1401 with no faults found. Re-connected the turn and bank indicator and tested the KAP140 autopilot again. Completed a Roll Centering adjustment in the System Offset Adjustment procedure 2.3.3.2. The procedure had to be completed in 2 steps because the system offset was found to be well beyond the initial centering range. The KAP140 autopilot now tests within normal parameters of the KAP140 installation manual #006-00991-0006.

End.

Maintenance Release

The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Jason K Moorefield CRS# BGSR439C

Airframe Date: 6/9/2026 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Total Tach Time: 2962.0

Work Performed: Installed new ELT battery part number E-04.0, with a manufacture date of 5/15/2026 from lot number 00140.

Performed operational inspection of aircraft and systems. No defects noted at this time.

All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition and is approved for return to service.

Scott Emmons A&P 4560305

ENGINEERING RECORD

AND AS MANY LINES AS REQUIRED FOR COMPLETION

CARRIED FORWARD