

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	0	0	0	0	AIRCRAFT NEW WITH HARTZELL PROPELLER INSTALLED AS PER



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

DA
Q 65

INSPECTOR

16 September, 2004

Albert Papp

16 SEPT 2004	0	0	0	0	AIRCRAFT SERVICEABLE FOR FLIGHT
16 SEPT 2004			2.5		
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

DA
Q 13

N. S. ...

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT <small>PLEASE DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
CARAVAN INTEGRATED AVIONICS SYSTEM INSTALLED AS PER STC No. SA01254WE		DA Q 13

Diamond



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

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: _____
 September, 2004

DATE: _____ INSPECTOR: _____
 16 September, 2004

Diamond



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

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: _____
 September, 2004

DATE: _____ INSPECTOR: _____
 16 September, 2004

		CA84363
		CA84363
		CA84363
		CA84363



**U.S. STANDARD AIRWORTHINESS CERTIFICATE
 ISSUED**

DATE: **SEP 21 2004** AND INSTALLED IN _____

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

DATE: **SEP 21 2004**
 NE-MIDO-46



ENGINEERING RECORD

3

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

SIGNATURE

LICENCE NUMBER

off inspection CK List. Complied with
2/11/05 per Gary Gaudreau. Performed LR & ORS

Fred A. Johnson
AP42464401IA

MOND AIRCRAFT scheduled MAINT check
ied as Required. Installed New EXHAUST
40-040 ON EXHAUST SYS. & W ELT
ird NLG wheel Fairing. Installed
w VOLTAGE. Checked & serviced 400 BATT.
Key CABLE Tension. Reinstalled AU
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

Fred A. Johnson

DATE 11/2/05 TACH _____ HOUR METER 100.8

MFG/MODEL Diamond DA40 SERIAL 40.415

I certify that this aircraft was weighed in accordance with AC43.13-1B in
level flight attitude inside a closed hanger. Weighed with full oil. Weighed
with fuel tanks empty
Scale readings were:

LH MAIN 741.0 RH MAIN 757.0 NOSE/TAIL 265.0

Scales Model 3-0101-299C, Serial 1239 Calibrated 8/1/05

[Signature] AIRFRAME NO: 1474976

AIRCRAFT WEIGHING CORP.
954-928-1619

1020 N.W. 62nd St, Hgr #6
Ft. Lauderdale, FL 33309

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED</small>
	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

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 SBO 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

INSPECTED 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 *Bernard 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 *Bernard 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

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 Richard Kiser Signed Richard Kiser
Inspector Classic Aviation Services, Inc. RS-C3VR730J

Inspected ACK E-01 ELT, S/N 049646 in accordance with CFR 91.207(d). Ops check normal. Inspected batteries; 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 Richard Kiser Signed Richard Kiser
Inspector Classic Aviation Services, Inc. RS-C3VR730J

Repair Station
C3VR730J
N61LH

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

W/O # A7041601

Date 4/16/2007 Hourmeter 190.1 Tach _____ A/CTT _____

AIRFRAME LOG

Installed overhauled GIA2. Updated software to Version 12. Installed new PFD fan. Ops check 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 Richard Kiser Signed Richard Kiser
Inspector Classic Aviation Services, Inc. RS-C3VR730J

Repair Station
C3VR730J
N61LH

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

W/O # 7111401

Date 11/19/2007 Hourmeter 276.7 Tach 212.4 A/CTT _____

AIRFRAME LOG

Performed optional Service Bulletin #OSB-40-057 Take off weight increase: installed new elevator stop bushing, checked elevator travel and installed new placard in accordance with Diamond Service Bulletin #OSB-40-057. C/W Service Bulletin #MSB 40-030/3 Replacement of fuel selector universal: assembled new universal shaft and installed in aircraft in accordance with Diamond Service Bulletin #MSB 40-030/3. Reinstalled console and front seats. Adjusted trim wheel autopilot chain. Completed modifications to activate crew audio and modification to GDL69 antenna coax routing in accordance with G1000 Field Upgrade Instructions - Diamond DA40 P/N 190-00544-01 Rev. D dated June 2007. Ops check normal. No leaks noted.

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 Benjamin A. Chupp Signed Benjamin Chupp
Inspector Classic Aviation Services, Inc. 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 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 [Signature] Richard Kiser
Inspector Classic Aviation Services, Inc. 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 [Signature] Richard Kiser
Inspector Classic Aviation Services, Inc. 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 [Signature] Dean Showalter
Inspector Classic Aviation Services, Inc. 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 [Signature] Benjamin Chupp
Inspector Classic Aviation Services, Inc. RS-C3VR730J



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 PFD 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 

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

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED</small>
	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

N61LH

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 

ENGINEERING RECORD

9

INSPECTION, REPAIRS & REPLACEMENT <small>TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
<p style="font-size: 1.2em;">Diamond DA40 s/n 415 N61LH</p> <p>9-7-2011 Tach-354.7</p> <p style="font-size: 1.1em;">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.</p>		
<p>"Pertinent details of the repair are on file under Order</p> <p>No <u>2672</u> Date <u>9-1-2011</u></p> <p>Signed <u><i>[Signature]</i></u> for <u>3555248FA</u></p>	<p>GENERAL AVIATION, INC. P. O. BOX 457 DANVILLE, VA 24543 434-793-7033</p>	



SPECIAL SERVICES CORPORATION
REG. U.S. PAT. & TRADE OFF. INTERNATIONAL AVIATION SERVICE

7/5/2012

- | | |
|--------------------|---------------------|
| N61LH | Hobbs: 490.6 |
| SN: 40.415 | Fit Time: 376.7 |
| | A/C TT 376.7 |
| * Static/TXP | propeller TT: 376.7 |
| ELT Battery | propeller TSOH: 0 |
| ELT Remote Battery | |
| Annual | |

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/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]

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: <i>Garmin</i>	MODEL: <i>GTX-33</i>	S/N: <i>84700367</i>
TRANSPONDER #2	MAKE: <i>—</i>	MODEL: <i>—</i>	S/N: <i>—</i>
DATE: <i>11-04-2015</i>	W/O: <i>1339</i>	INSPECTOR: <i>John P. Pualu</i>	
PF Flyers, Inc. FAA APPROVED REPAIR STATION # Y3FR325Y			

NG RECORD
Y LINES AS REQUIRED

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
	<i>20,000</i>		<i>20,000</i>
S/N	<i>47805060</i>	S/N	<i>440507</i>
DATE: <i>11-04-15</i>	W/O: <i>1339</i>	INSPECTOR: <i>John P. Pualu</i>	
PF Flyers, Inc. FAA APPROVED REPAIR STATION # Y3FR325Y			



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 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

SouthTecAviation
Mobile (334) 728-6806

Date: December 20, 2017 | DA40 | S/N:40.415 | Reg:N61LH
 Tach: 429.5 hrs. TTAF: 429.5 hrs.

Annual/200 hour inspection completed this date in accordance Diamond Aircraft DA40- 180 AMM rev. 7. 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 March 2021. D-cell batteries in ELT, next due December 2018. Emergency battery, P/N:(D41-2560-93-00) next due December 2018. IFR Certification completed by Carolina Avionics Group LLC. Applied RTV to abraded portions of air hose. Removed and replaced foam lining around left and right hand view windows, P/N:(512AF). Removed and replaced right brake caliper O-ring, P/N:(MS28775-224) and serviced the right brake system.

- **C/W AD 2009-10-14** Nose Gear Leg Pivot Axle Inspection in accordance with Diamond Mandatory Service Bulletin No. MSB40-046/3. Next due at 629.5 hours or December 2018, whichever occurs ~~first~~ **LATER**

- **C/W Diamond Optional Service Bulletin No. OSB40-069**, Installation of a Coated Safety Walk. Removed old style and replaced with new.

See AD Compliance List.

I certify this aircraft has been inspected in accordance with an annual/200 hour inspection and found to be in an airworthy condition.



Christian Hedrick

A&P 3740465 IA

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			
N61LH FAA APPROVED REPAIR STATION # QCCR-389K			

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:	MODEL:	S/N:
	Garmin	GTX33	84700367
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE:	WO:	INSPECTOR:	
12-8-2017	8166	Richard Ellington	
CAROLINA AVIONICS GROUP, LLC			
161LH FAA APPROVED REPAIR STATION # QCCR-389K			

4-Mar-2019

433.3 tach:

433.3 TTAF&E:

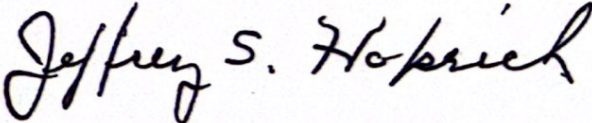
FERRY PERMIT INSPECTION

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. Magnetoes 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

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: 3E11420878
TRANSPONDER #2	MAKE:	MODEL:	S/N:
DATE: 4-8-2019	WO: 8765	INSPECTOR: Richard Ellington	
CAROLINA AVIONICS GROUP, LLC			
N614H 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	
CAROLINA AVIONICS GROUP, LLC			
N614H FAA APPROVED REPAIR STATION # QCCR-389K			

ENGINEERING RECORD

INSPECTION,
W A DIAGONAL LINE THRU



3330 Airport Loop Road
Salisbury, NC 28147
info@southtecaviation.com

E 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 834.0 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
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: *Dustin Foster*

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_____


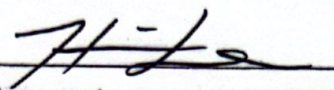
Name: Brian Behal

Cert: 2814320 IA

Co: Upward Aviation

Sign: *Brian Behal*

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p>Upward Aviation KPSK AIRPORT</p> </div> <div style="text-align: center;"> <p>Date: 05/24/2021 Tail# N61LH</p> </div> <div style="text-align: center;"> <p>SN: 40.415 AC Time: 483.0</p> </div> </div>				
	<p>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.</p>				
	<p>Mechanic:  Hiram Leon A&P 3422969 IA</p>				

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.

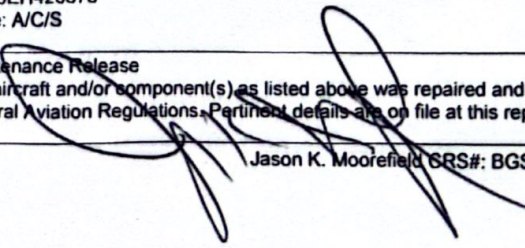
Altimeter was tested to 20,000 Ft.
Altitude reporting system test to 20,000 Ft.

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. Moorefield CRS#: BGSR439C

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 performed 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 #: N61LH

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

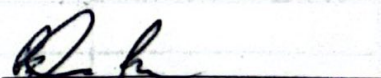
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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

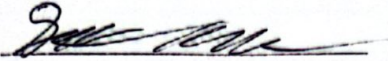
A/C Make/Model: Diamond DA40

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. Replaced side brake liners. Installed new Michelin 5.00-5 tire tube P/N 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 left wing. Removed wheel fairings mounting plate and replaced bolts with Diamond P/N LN9037-M6X42. Removed peeling paint and painted where paint had been removed.

Performed ground run and operational inspection of aircraft systems. 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.



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

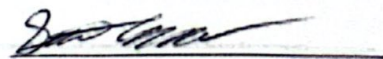
Airframe Date: 1/11/2022 Tail #: N61LH

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

ENGINEER

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: MI46010).

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.

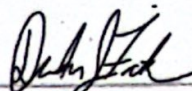
Performed the following:

- 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 Goodyear Tire and Rubber CO. P/N 606C61B1 form work 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

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ENGINEERING RECORD

17

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

DATE AND

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



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

REQUIRED FOR

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: 12/8/2022 Tail #: N61LH

A/C Make/Model: Diamond DA40

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

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

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 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 wheel. Replaced the felt P/N 154-00600 and grease seals P/N: 153-0000 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

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: 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: ~~12/8/2022~~ ^{1/26/23} Tail #: N61LH

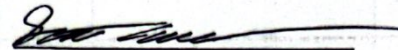
A/C Make/Model: Diamond DA40

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

Work Performed: Cleaned, inspected, and serviced all wheel bearings. Inspected and lubricated all flight controls. Replaced camloc and camlock receptacle on pilot side next to the spinner. Installed new mounting hardware in the back seats. 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: 1/26/2023 Tail #: N61LH

A/C Make/Model: Diamond DA40

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

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: 1/29/2023 Tail #: N61LH


A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 1220.8

Work Performed: Installed new electric fuel pump (P/N 5100-9CJ S/N 4520) by CJ Aviation under work order 304570

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

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AIR TIME AND

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 2/3/2023²⁰²³ Tail #: N61LH

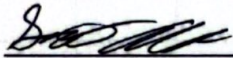
A/C Make/Model: Diamond DA40

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

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

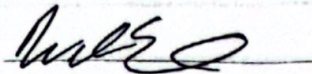
Electrical Bonding Inspection next due at AFTT: 1933.2

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

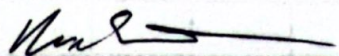
Airframe Date: 3/19/2023 Tail #: N61LH

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

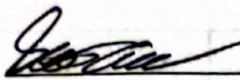
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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



INSPECTION, REPAIRS & REPLACEMENT
 Freedom Aviation Date: 08/29/2023 1
 310 Hangar Road Aircraft: N61LH
 Lynchburg, VA 24502 Type: DA40 SN: 40.415
 (434) 237-8434 Tach Time: 1668.6 Hobbs: 2370.8
 CRS# BGSR439C 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.

[Handwritten Signature]
 Jason K. Moorefield CRS# BGSR439C

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

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 broken cam locs on the top cowling. 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 scat tube between fire was 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.

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.

[Handwritten Signature]
 Scott Emmons A&P 4560305

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.

[Handwritten Signature]
 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

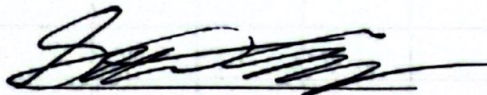
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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 D1S 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

ENGINE

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: DAI-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 two 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 40-047

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

I M

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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

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

A/C Make/Model: Diamond DA40

A/C Make/Model: Diamond DA40

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

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.

Work Performed: removed copilot and rear passenger map light 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



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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

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

A/C Make/Model: Diamond DA40

A/C Make/Model: Diamond DA40

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

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

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

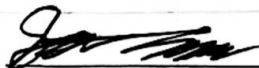
Work Performed: Replaced stall horn with a new stall horn(P/N: DA4-2739-10-00X02). Installed new brake liners on right and left side mains(P/N:066-14100).

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

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.

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



Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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

A/C Make/Model: DiamondDA40

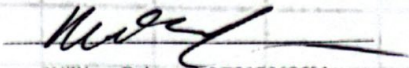
A/C S/N: 40.415 Tach Time: 2029.2 Total Time: 2029.2

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

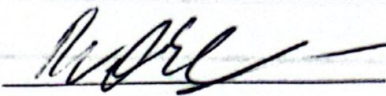
Airframe Date: 6/10/2024 Tail #: N61LH

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

Handwritten signature across horizontal lines.

ENGINEERING RECORD



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

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. Moorefield 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 A&P 4560305

ME AND

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 7/20/2024 Tail #: N61LH

A/C Make/Model: Diamond DA40

A/C S/N: 40.415 Tach Time: 2105.3

Work Performed: Installed new starter from Hartzell Engine Technologies (WO M083400 PN 149-24LS).

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

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMMENTS



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

Date: 07/26/2024
Aircraft: N61LH
Type: DA40 SN: 40.415
Hobbs: 3016.0 Tach Time: 2111.3
WO: A24-1171

1

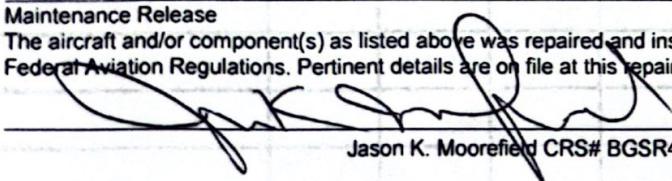
Airframe Entries

- 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

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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

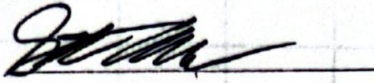
A/C Make/Model: Diamond DA40

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

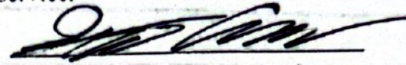
Airframe Date: 9/30/2024 Tail #: N61LH

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

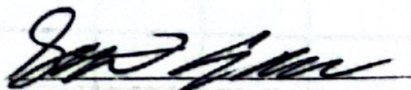
Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

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

ENGINEERING RECORD

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date:11/19/2024 Tail #: N611.H

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 scabbings to alternator, the front of the cowling the heat exchanger, and on the heat exchanger to the fire wall. Installed new "O" ring (p/n: R0375) on the gascolator. Installed new EGT sensor (P/N: 0002BG). 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 #: N611.H

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 #: N611.H

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 #: N611.H

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


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: 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: 4/8/2025 Tail #: N61LH

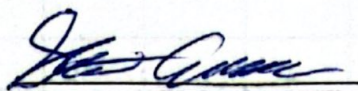
A/C Make/Model: Diamond DA40

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

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

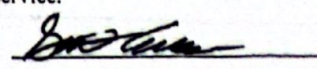
Airframe Date: 4/17/2025 Tail #: N61LH

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

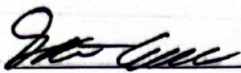
Performed ground run and operational inspection of aircraft and systems. No leaks or defects noted at this time. All work listed above was performed I/R/T Diamond DA40 Series Maintenance Manual and AC 43.13. In reference to the work listed above, this aircraft was found to be in an airworthy condition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


Scott Emmons A&P 4560305

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

Airframe Date: 4/17/2025 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

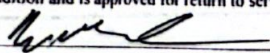
Airframe Date: 6/23/2025 Tail#: N61LH
A/C Make/Model: DiamondDA40
A/C S/N: 40.415 Tach Time: 2577.2 Total Time: 2577.2

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

Annual

Kane Aviation LLC
22 Waypoint Dr NW
Roanoke, VA 24012

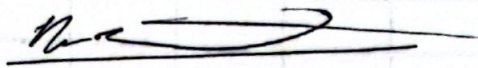
Airframe Date: 6/23/2025 Tail #: N61LH

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

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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


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

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 cowling. 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

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

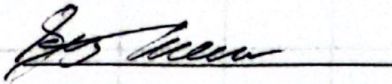
A/C Make/Model: Diamond DA40

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.

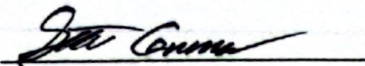


Scott Emmons A&P 4560305

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.



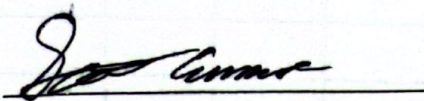
Scott Emmons A&P 4560305

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

A/C Make/Model: Diamond DA40

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

Performed: I certify this aircraft has been serviced and tested 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

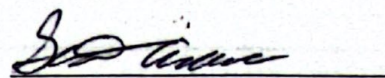
A/C Make/Model: Diamond DA40

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

