

Section 1: Airframe Log

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

Registration: N131DA
AC Serial Number: 40.NC140
Engine Serial Number: E4-A-06061
Prop Serial Number: 210286
Airframe Total Time: 4.2 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.2 HRS

- Compass Swing Performed:

- Date: JUNE 15 2021
- Next Due: JUNE 2022

FOR	N	30	60	E	120	150
STEER	360	030	061	092	123	153
FOR	S	210	240	W	300	330
STEER	182	211	239	270	299	329

- Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with CAR Standard 571, Appendix B and 14 CFR 91.411:
 - Test Date: JUNE 02 2021
 - Next Due: JUNE 2023

- Stand By Altimeter:
 - Factory Test Date: MARCH 18 2021
 - Next Due: MARCH 2023

- ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with CAR Standard 571, Appendix F and 14 CFR 91.217: & 91.413:
 - Test Date: JUNE 02 2021
 - Next Due: JUNE 2023
 - Programmed Registration: N131DA
 - Hex Code: N/A (U.S. Registration)

- The ELT was tested and inspected in Accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d) :
 - Manufacturers Cert. date: 03/21
 - Installation Inspected: JUNE 15 2021
 - Battery due: APRIL 2028
 - Next ELT inspection due: JUNE 2022
 - ELT Programmed:
 - REG: N131DA
 - HEX: N/A (U.S. Registration)
 - Country: 366 (USA)
 - Beacon ID: ADC6499D41DCB81

- Emergency Battery Pack: Replacement Due Date: MAY 2023

- Garmin G1000 NXi Installation:
 - Software System: 2948.11
 - Checklist File: N/A
 - Basemap Land 5.19
 - SafeTaxi Data: 12-AUG-2021
 - Terrain Data: 3.00
 - Obstacle Data: Expires 12-AUG-2021
 - Navigation Data: Expires 15-JUL-2021
 - Apt Directory: Expires 12-AUG-2021
 - FliteCharts Data: Expires 15-JUL-2021
 - IFR/VFR charts: Date: 20-MAY-2021

 
Inspector

(continued next page)

JUN 22 2021

Date



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

Registration: N131DA
AC Serial Number: 40.NC140
Engine Serial Number: E4-A-06061
Prop Serial Number: 210286
Airframe Total Time: 4.2 HRS

- Following limitations as per DA 40 NG AMM Chapter 4 (subject to change with revision):

Component	Hours	Years	Next Due:
Essential Bus	1000	-N/A-	1000 hrs
Pitot-Static System	1000	2	1000 hrs or JUNE 2023
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	MAY 2023
ECU Backup Battery	-N/A-	1	MAY 2022

- The following STC's are incorporated:
 - SA01918LA.
- THIS AIRCRAFT WAS INSPECTED FOR CONFORMITY TO APPLICABLE COMPANY RELEASED DOCUMENTS (DRAWINGS, SPECIFICATIONS, CONCESSIONS).
- I HEREBY CERTIFY THAT THIS AIRCRAFT CONFORMS TO FAA TYPE CERTIFICATE A47CE Rev No. 16, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2021-12 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

DA
QA 3
Inspector

JUN 22 2021
Date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) JUN 28 2021, has been installed in the
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO
Section AIR-8A5 on:

(Date) JUN 28 2021

(Print) L. BEIERLING (Signature)



Section 1: Airframe Log

DATE: 2/19/2022
A/C TSN: 75.9
TACH: 75.9

(INSPECTION, REPAIRS & REPLACEMENT)

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393



DATE

MAKE: Diamond
MODEL: DA-40NG
S/N: 40.NC140
REG. NO: 131DA
WORK ORDER:
9682-01-2022

CARRIED
FORWARD

Airframe Entries

(3) ADJUSTED TOP COWLING RH SIDE AIR INLET IAW DA40 NG MM CH 51.

DATE: 2/19/2022

SIGNED

Matthew Hughs, A&P: 3705688

Work Order: 9682-01-2022

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA-40NG
S/N: 40.NC140
REG. NO: 131DA
WORK ORDER:
9775-03-2022



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 4/12/2022
A/C TSN: 85
TACH: 85

Airframe Entries

(3) REGLUED REAR OVERHEAD LINER WITH EPOXY AS REQUIRED.

DATE: 4/12/2022

SIGNED

SAMUEL TAVAREZ JR.
CRS 9PRR402B

Work Order: 9775-03-2022

Printed by EBis 3 (datcomedia.com)

wo: 3852

Airframe - page 1 of 1



Sweet Aviation - 902 W. Ludwig Rd Ste 118 - Fort Wayne, IN 46825 - (260) 267-5505

N131DA
hobbs: 152.6

Diamond, DA 40 NG, S/N: 40.NC140
tach: 110.7

July 20, 2022

R&R standby airspeed indicator with new 8025B908 S/N: 221763.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Sweet Aviation under work order: 3852.

Austin Scheiderer A&P IA 3768794

Austin J. Scheiderer

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

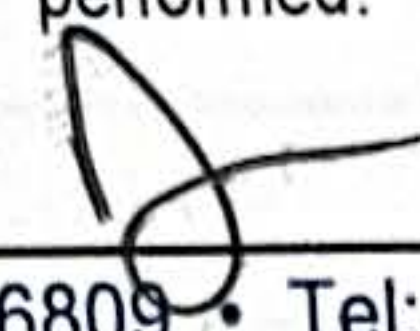
LOG BOOK ENTRY

N 131DA TIME 153.1 Hobbs Time DATE 7-21-2022

Tested Static System to comply with FAR Part 43 App. E(a). Tested to comply with FAR Part 91.411.

*** Page 1 of 1 ***

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. I certify that this aircraft is airworthy with respect to the maintenance, preventative maintenance, or alterations performed.

Signature: Work Order: 6580

Premier Avionics, LLC 4424 Altitude Drive • Fort Wayne, IN 46809 • Tel: 260-747-4810 • CRS: 7PMR634B

MAKE: Diamond
MODEL: DA-40NG
S/N: 40.NC140
REG. NO: 131DA
WORK ORDER:
10055-11-2022



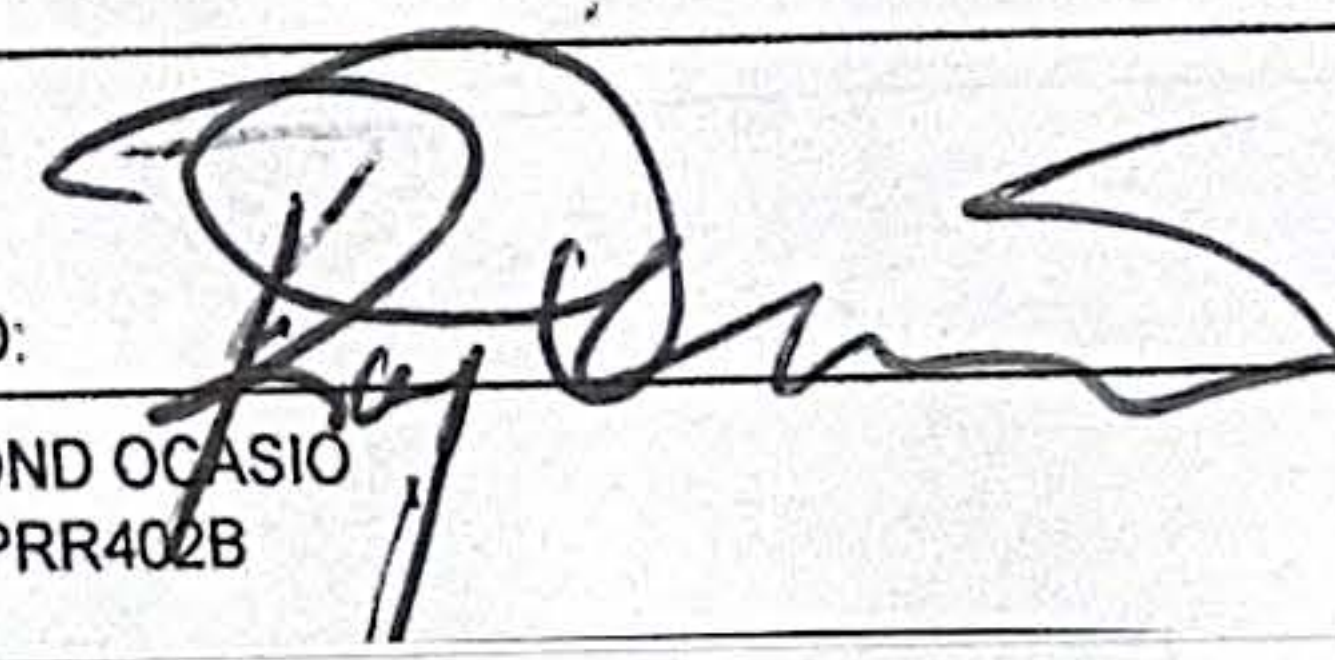
Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 12/8/2022
A/C TSN: 141.7
TACH: 141.7

Avionics Entries

(17) C/W ELT TEST AND INSPECTION IAW FAR 91.207-D, ON ELT P/N: 453-6603 S/N: 242-08954. FOUND SATISFACTORY. ELT BATTERY DUE DATE: 04/2028 HEX ID: ADC6499D41DCB81.

DATE: 12/8/2022

SIGNED: 

RAYMOND OCASIO
CRS 9PRR402B

Work Order: 10055-11-2022

Printed by EBis 3 (datcomedia.com)

1 of 2

MAKE: Diamond
MODEL: DA-40NG
S/N: 40.NC140
REG. NO: 131DA
WORK ORDER:
10055-11-2022



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 12/8/2022
A/C TSN: 141.7
TACH: 141.7

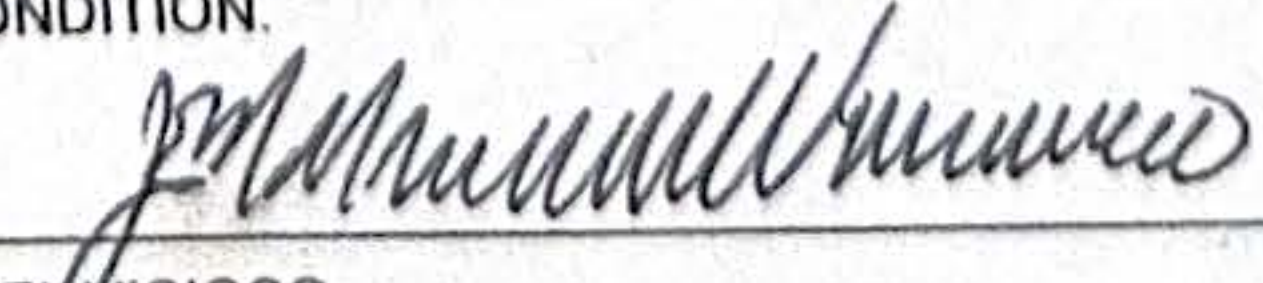
Airframe Entries

- (2) C/W ANNUAL INSPECTION ON THIS AIRFRAME IAW 14 CFR PART 43, APPENDIX "D" USING DA40 NG MM INSPECTION CHECKLIST AS A GUIDE. C/W FAR 91.207 D ELT INSPECTION AND FUNCTIONAL CHECK. ELT BATTERY EXPIRATION DATE: 4/2028. ADS CHECKED THROUGH CURRENT ON ATP.
- (14) C/W AD 2016-23-03 TURBO V-CLAMP INSPECTION IAW MSB-40NG-046. FAILED INSPECTION. REPLACED CLAMP WITH SERVICEABLE PART.
- (15) C/W ICA/MSAFE SEATBELTS V23 INSPECTION IAW DOC. E510629P. REPLACED PILOT SEAT BUCKLE HARNESS ASSY WITH NEW P/N 7053-203. SYSTEM OPS CHECKED GOOD.
- (16) C/W 1 YR ECU BACKUP BATTERIES REPLACEMENT. REPLACED BATTERIES WITH NEW P/N NP12-7 IAW DA40NG MM CH 24-30. OPS CHECKED GOOD.
- (18) C/W 1 YR GFC700 AUTO PILOT MECHANICAL CHECK IAW DA40NG MM CH 22-10. OPS CHECKED GOOD.
- (24) SERVICED AND PRESSURE TESTED COOLANT SYSTEM IAW DA40NG MM CH 75-00.
- (26) CLEANED AND SECURED LH MLG LEG BRAKE LINE FITTING. ALL WORK PERFORMED IAW DA40 NG MM CH 32-40.
- (28) ADJUSTED ALTERNATE AIR CONTROL CABLE IAW DA40 NG MM CH 71-60. OPS CHECKED GOOD.
- (30) ADJUSTED NLG STEERING FRICTION IAW DA40 NG MM CH 32-20.
- (31) RESEALED RH BRAKE CALIPER AND BLEED SYSTEM IAW DA40NG MM CH 32-40.

2 of 2

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 12/8/2022

SIGNED: 

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 10055-11-2022

Printed by EBis 3 (datcomedia.com)

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK
(INSPECTION, REPAIRS & REPLACEMENT)

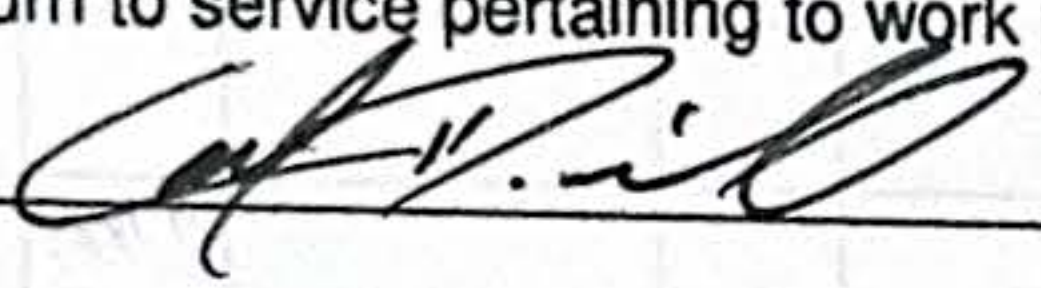
FIXED WING AVIATION MAINTENANCE

Fixed Wing Aviation Maintenance
Lakeland-Linder Regional Airport (KLAL)
3760 Airfield Drive W Lakeland FL 33811
www.fixedwingaviation.com
863-606-5757

Date: 2/01/2023; Aircraft: N131DA; Type: DA40 NG; S/N: 40.NC140; Hobbs: 331.5; Tach: 240.4

- Performed 100hr inspection IAW Diamond DA40-NG MM Ch 5-28 100hr checklist and FAR43 Appendix D.
- R&R fuel filter at firewall with new.
- C/W AD2016-23-03 (Turbo V-band Clamp Inspection) with reference to MSB40NG-046/2 by visual inspection. No defects noted. Next due in 100hrs.
- R&R RH brake caliper o-ring with new. P/N MS28775-224.
- R&R copilot PTT switch with new and adjusted grip to allow switch to full seat. P/N DA40.161350.
- Cleaned and resealed LH wing seal.
- Installed new copper wire on fuel selector.
- R&R cabin heater charge hose with new. P/N D44-2146-00-02
- R&R LH and RH MLG tires and tubes with new. P/N 156E61-3 and 097-200-011.
- R&R RH engine shock mount with new. P/N D44-7106-00-55.
- Capped antenna screws with sealant.
- I certify that this aircraft has been inspected in accordance with a 100hr inspection and has been determined to be in airworthy condition.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Carl Dwinnell  A&P 3722251

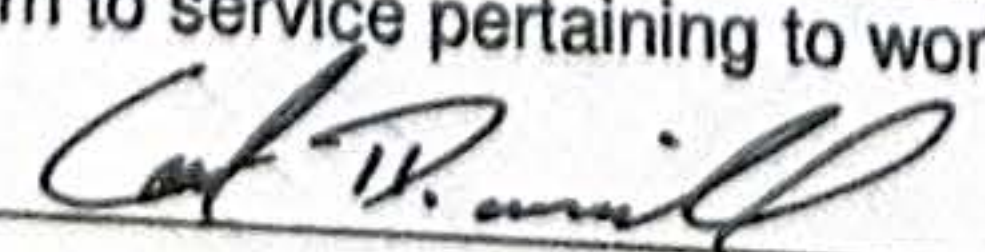
FIXED WING AVIATION MAINTENANCE

Fixed Wing Aviation Maintenance
Lakeland-Linder Regional Airport (KLAL)
3760 Airfield Drive W Lakeland FL 33811
www.fixedwingaviation.com
863-606-5757

Date: 3/03/2023; Aircraft: N131DA; Type: DA40 NG; S/N: 40.NC140; Hobbs: 467.6; Tach: 344.0

- Performed 100hr inspection IAW Diamond DA40-NG MM Ch 5-28 100hr checklist and FAR43 Appendix D.
- Verified AD compliance through bi-weekly issue 2023-04. Refer to AD note compliance record for reference to Method of Compliance.
- Complied with AD 2022-13-06. AD does not apply by date of MFG.
- Complied with AD 2016-23-03 (Turbo V-band clamp inspection) WRT MSB40NG-046/2 by visual inspection. No defects noted. Next due at TT: 444.0 hrs
- R&R RH brake caliper oring with new.
- R&R RH MLG inboard race and bearing with new.
- R&R camlocks grommets and retaining washer on top cowl with new.
- Cleaned AmSafe connections under pilot and copilot seat and tested system. No other defects noted.
- Isolated coolant expansion tank lower hose from oil filter housing as required.
- R&R oil filler cap O-ring with new.
- Adjusted NLG fork tension to spec.
- Reinstalled passenger overhead light assy as required.
- Repaired wire at flap actuator micro switch #4 as required.
- R&R all engine shock mounts (4) with new.
- R&R fuel filter at fire wall with new P/N WK724_3.
- R&R engine air filter with new P/N RU-1620.
- I certify that this aircraft has been inspected in accordance with a 100hr inspection and has been determined to be in airworthy condition.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Carl Dwinnell  A&P 3722251

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

3/27/23, 7:54 AM

LB135

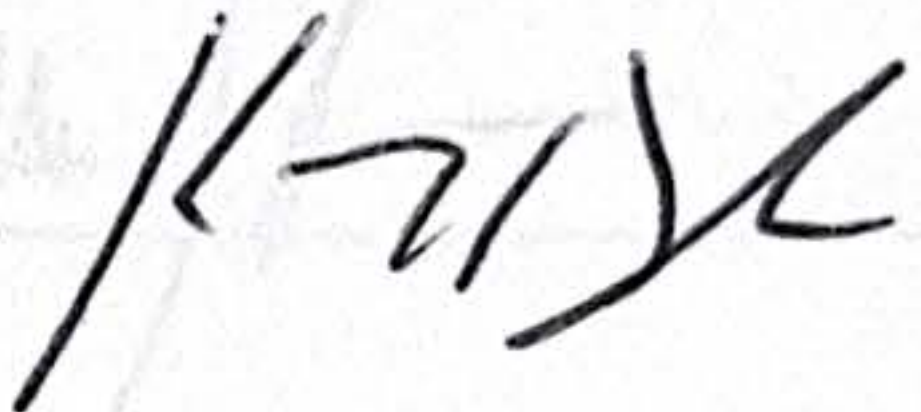
Created 03/26/23 REG : N131DA

Diamond DA40 Diamond Star S/N .40.NC052 Engine Tach 444.4 HOBBS 594.8

NEXT DUE ~~1052.8~~

- 100 hr INSP complied with using Diamond Aircraft inspection checklist and airplane maintenance manual.
- All AD's checked through current.
- Complied with AD16-23-03 turbo V band clamp inspection IAW MSB 40NG-046/2. No defects noted.
- Installed new main tires P/N156E61-3

I certify that this aircraft has been inspected IAW 100 HR Inspection IAW 14 CFR Part 43, Appendix "D" using DA40NG MM CH 05 Inspection Checklist as a guide. All ADs checked through current.

kerry Delhomme # Date: 3/27/23 Signature: 

MYFLIGHT



Date: 5-2-23

N131DA Diamond DA40 Diamond Star

S/N: 40.NC140 Hobbs: 727.4 TACH: 542.3 Next Due: 642.3

Airframe Entry:

- 100/300hr INSP complied with using Diamond Aircraft inspection checklist airplane maintenance manual.
- All AD's checked through current.
- Complied with AD16-23-03 turbo V band clamp inspection IAW MSB 40NG-046/2. No defects noted.
- Replaced brakes with new.

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

Kerry Delhomme # 3473912 Date: 5/2/23 Signature: 

Section 1: Airframe Log

ALTIMETER

N131DA

Altitude	Scale Error	Tol ±	Friction ±	Case Leak 15,000' ± 100'	Hysteresis ± 75'	Altitude
-1000	0	20	-	-	-	8000
0	0	20	-	40%	-	10000
500	0	20	-	50%	-	10000
1000	0	20	10	70	After Effect 10 ± 30'	10000
1500	0	25	-	-	Barometric Scale Difference	10000
2000	+5	30	20	70	28.10	-1727
3000	+15	30	20	70	28.50	-1340
4000	+10	35	-	-	29.00	-863
5000	0	40	10	70	29.50	-392
6000	0	60	-	-	29.92	0
8000	0	80	20	80	30.50	531
10000	+10	90	-	-	30.90	893
12000	0	100	-	-	30.99	974
14000	0	-	-	-	Altitude S/N	519127
15000	0	-	-	-	Make	Model/Part #
16000	0	110	-	-	3000	United 5934PD-3
18000	0	120	-	-	Master Altimeter P/N & S/N	124-00006/418254
20000	0	130	-	-	Date Tested	10-6-23
22000	0	140	-	-	Technician	
25000	0	155	-	-	Certificate #	JL5R476X
30000	0	180	-	-		
35000	0	205	-	-		
40000	0	230	-	-		
45000	0	255	-	-		
50000	0	280	-	-		

Tested in compliance with FAA FAR 43 Appendix E

Calibrated to 0 Ft. W.O. # RS1339

Volusia Aviation, Inc. 923 Beville Road South Daytona, FL 32119 FAA CRS # JL5R476X
386-767-6763

GS /

IFR

N131DA

The tests required by FAR 91.411, 91.413, & 91.217 have been performed in accordance with FAR 43 appendix E paragraphs (a), (b), & (c) and appendix F.

W.O. # RS1339 Tested to 80K feet

Altimeter Model 5934PD-3 s/n 519127 (pilot)

Air Data Computer GDC72 s/n 455003088

Transponder GTX345R s/n 3EH039869

Altitude Reporter GDC72 s/n 455003088

Static System (pilot) OK (co-pilot) n/a

Signed [Signature] Date 10/6/23

ECT

Volusia Aviation, Inc. 386-767-6763 FAA CRS # JL5R476X

MM

Y PER DIAMOND MM.

. IFR CERT DONE BY VOLUSIA AVIATION. NEXT DUE 10/24

ND MM. OPS CK GOOD.

andix D 100hr inspection and was determined to be in airworthy

WORK ORDER: 01075

Printed by EBIS (EBISCloud.com)

01092 (10-26-2023)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA40NG
S/N: 40.NC140
REG. NO.: N131DA

MYFLIGHT

400 Herdon Ave
Orlando, FL 32803

Page 1 / 1

W/O #: 01092
DATE: 10-26-2023
A/C TT: 648.6
A/C Tach: 648.6

Entries

1 REPLACED LH TIRE / TUBE AND RH TIRE PER DIAMOND MM 32-00-00.

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 10-26-2023

SIGNED: [Signature]

Kerry Delhomme
A&P: 3473912

WORK ORDER: 01092

Printed by EBIS (EBISCloud.com)

01108 (11-22-2023)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA40NG
S/N: 40.NC140
REG. NO.: N131DA
ENGINE MAKE: AUSTRO
ENGINE MODEL: E4
ENGINE SN: E4-A-06061

MYFLIGHT

400 Herdon Ave
Orlando, FL 32803

Page 1 / 1

W/O #: 01108
DATE: 11-22-2023
A/C TT:
A/C Tach:
ENG TT: 705.8

Entries

1 REMOVED AND REPLACED PROP GOVERNOR WITH OVERHAULED UNIT FROM MT PROP. INSTALLED PER AUSTRO MM 85-00-00. LK AND OPS CK GOOD.
OLD S/N 22G1096KG
NEW S/N 21G1265-K/G

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 11-22-2023

SIGNED: [Signature]

Kerry Delhomme
A&P: 3473912

WORK ORDER: 01108

Printed by EBIS (EBISCloud.com)

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

I CERTIFY THAT THIS (AIRCRAFT) (ENGINE) (PROP)
HAS BEEN INSPECTED IN ACCORDANCE WITH FAR AC
43-13 APP(D) (ANNUAL INSPECTION) OR (100HRS. INSP.
AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
FOR RETURN TO SERVICE.

TACH TIME 725.3 HOBBS TIME N/ATOTAL TIME IN SERVICE 725.3TTSMO N/A TTSTO N/ASIGNATURE Thomas W. Blurb

INSP. AUTHORIZATION A&P 1885137 IA

DATE OF INSPECTION 12/08/2023

01118 (12-08-2023)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA40NG
S/N: 40.NC140
REG. NO.: N131DA

MYFLIGHT

400 Herdon Ave
Orlando, FL 32803

Page 1 / 1

W/O #: 01118
DATE: 12-08-2023
A/C TT: 725.3
A/C Tach: 725.3

Entries

- 1 -C/W 100/200 HR AIRFRAME INSPECTION USING DIAMOND INSPECTION CHECKLIST AND MM AS A GUIDE.
-ALL AD'S CHECKED, AND COMPLIED WITH AT THIS TIME
- 4 TROUBLE SHOT PITOT FAIL PER CH.92 AND FOUND THAT THE PICO FUSE ON THE PITOT (ON) SWITCH WAS INOP.
REPLACED PICO FUSE PER DIAMOND MM 20-30-00. OPS CK. GOOD
- 5 REMOVED AND REPLACED HOBBS METER WITH NEW PER DIAMOND MM.
- 6 REMOVED AND REPLACED BATTERY PACK PER DIAMOND MM. P/N D4A-2560-91-00
- 8 C/W ELT TEST AND INSPECTION IAW FAR 91.207-D
- 9 REMOVED AND REPLACED ECU BATTERIES IAW DIAMOND MM
- 10 REMOVED AND REPLACED ALTERNATOR EXCITATION BATTERIES IAW DIAMOND MM
- 11 ADJUSTED CANOPY LOCK IAW DIAMOND MM

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

DATE: 12-08-2023

SIGNED:

Matthew Hughes
A&P: 3705688

WORK ORDER: 01118

Printed by EBIS (EBISCloud.com)

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)

01181 (04-26-2024)
MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT



400 Herdon Ave
Orlando, FL 32803

Page 1 / 1
W/O #: 01181
DATE: 04-26-2024
A/C TT: 825.6
A/C Tach: 825.6

Entries

- C/W 100 HR AIRFRAME INSPECTION USING DIAMOND INSPECTION CHECKLIST AND MM AS A GUIDE.
-ALL AD'S CHECKED, AND COMPLIED WITH AT THIS TIME
- REMOVED AND REPLACED LH AND RH MAIN TIRES WITH NEW PER DIAMOND MM 32-00-00. LK CK GOOD.
- TROUBLE SHOT AC AND REPLACED RAAC CONTROL PANEL AND RELAY PER DIAMOND MM. OPS CK GOOD.
- REMOVED ENGINE, PACKAGED AND SHIPPED TO AEROTEC FOR PISTON PIN REPLACEMENT TO COMPLY WITH MSB-E4-039. DONE IAW AUSTRO MM.
- ENGINE PISTON PIN REPLACEMENT C/W BY AEROTEC ENGINES LTD.
- RE-INSTALLED ENGINE PER AUSTRO/DIAMOND MM. BRAKE IN PROCEDURE AND POWER EVALUATION C/W PER AUSTRO WORK INSRTUCTION WI-MSB-E4-039-I. OPS CKGOOD NO LEAKS NOTED.
- REPLACED MISSING CO-PILOT AUTO PILOT DISCONNECT BUTTON.

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

DATE: 04-26-2024

SIGNED:

Kerry Delhomme
A&P: 3473912

WORK ORDER: 01181
Printed by EBIS (EBISCloud.com)

01252 (06-13-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT



400 Herdon Ave
Orlando, FL 32803

Page 1 / 1
W/O #: 01252
DATE: 06-13-2024
A/C TT: 936.3
A/C Tach: 936.3

Entries

- C/W 100 HR AIRFRAME INSPECTION USING DIAMOND MM INSPECTION CHECKLIST AS A GUIDE.
-ALL AD'S CHECKED, AND COMPLIED WITH AT THIS TIME.
-NO DISCREPANCIES NOTED.

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 06-13-2024

SIGNED:

Landon Moore
A&P: 4916802

WORK ORDER: 01252
Printed by EBIS (EBISCloud.com)

01270 (06-27-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT



400 Herdon Ave
Orlando, FL 32803

Page 1 / 1
W/O #: 01270
DATE: 06-27-2024
A/C TT: 966.9
A/C Tach: 966.9

Entries

- REMOVED LH, RH WINGED T-SEAL AND REPLACED WITH GAP TAPE I.A.W. DIAMOND MAINTENANCE MANUAL CHAPTER 57.
- I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 06-27-2024

SIGNED:

Matthew Hughes
A&P: 3705688

WORK ORDER: 01270
Printed by EBIS (EBISCloud.com)

PAGE
TOTALS

CARRY FORWARD to Page 2 of 2

01289 (08-07-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

Entries

- C/W 100 HR AIRFRAME INSPECTION USING DIAMOND MM INSPECTION CHECKLIST AS A GUIDE.
-ALL AD'S CHECKED, AND COMPLIED WITH AT THIS TIME.
- REMOVED AND REPLACED LH AND RH MAIN TIRES WITH NEW PER DIAMOND MM 32-00-00. LK CK GOOD.
- REMOVED AND REPLACED RAAC CONTROL PANEL AND RELAY PER DIAMOND MM. OPS CK GOOD.
- REMOVED ENGINE, PACKAGED AND SHIPPED TO AEROTEC FOR PISTON PIN REPLACEMENT TO COMPLY WITH MSB-E4-039. DONE IAW AUSTRO MM.
- ENGINE PISTON PIN REPLACEMENT C/W BY AEROTEC ENGINES LTD.
- RE-INSTALLED ENGINE PER AUSTRO/DIAMOND MM. BRAKE IN PROCEDURE AND POWER EVALUATION C/W PER AUSTRO WORK INSRTUCTION WI-MSB-E4-039-I. OPS CKGOOD NO LEAKS NOTED.
- REPLACED MISSING CO-PILOT AUTO PILOT DISCONNECT BUTTON.

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

DATE: 08-07-2024

01289 (08-09-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

Entries

- PERFORM 100 HR AIRFRAME INSPECTION USING DIAMOND MM INSPECTION CHECKLIST AS A GUIDE.
-NO DISCREPANCIES NOTED.

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 08-09-2024

01314 (08-27-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

Entries

- REMOVED LH, RH WINGED T-SEAL AND REPLACED WITH GAP TAPE I.A.W. DIAMOND MAINTENANCE MANUAL CHAPTER 57.

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 08-27-2024

NAME/
SIGNATURELICENC
AME or
AMO/AC

Page 1 / 1

01289 (08-07-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT

400 Herdon Ave
Orlando, FL 32803W/O #: 01289
DATE: 08-07-2024
A/C TT: 1028.8
A/C Tach:

Entries

- 1 -C/W 100 HR AIRFRAME INSPECTION USING DIAMOND INSPECTION CHECKLIST AND MM AS A GUIDE.
-ALL AD'S CHECKED, AND COMPLIED WITH AT THIS TIME
- 4 REMOVED AND REPLACED LH MLG TIRE WITH NEW I.A.W. CLEVELAND MAINTENANCE MANUAL.
- 5 REMOVED AND REPLACED MLG LININGS WITH NEW I.A.W. CLEVELAND MAINTENANCE MANUAL CHAPTER 57.
- 6 REMOVED AND REPLACED GAP TAPE ON THE RH WING I.A.W. DIAMOND MAINTENANCE MANUAL

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

DATE: 08-07-2024

SIGNED:

Matthew Hughes
A&P: 3705688

WORK ORDER: 01289

Printed by EBIS (EBISCloud.com)

Page 1 / 1

01289 (08-09-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT

400 Herdon Ave
Orlando, FL 32803W/O #: 01289
DATE: 08-09-2024
A/C TT: 1028.8
A/C Tach:

Entries

- 8 -PERFORMED 1000HR ELECTRICAL BONDING SYSTEM TEST IAW DIAMOND MM 51-80-00.
-NO DISCREPANCIES NOTED.

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 08-09-2024

SIGNED:

Landon Moore
A&P: 4916802

WORK ORDER: 01289

Printed by EBIS (EBISCloud.com)

Page 1 / 1

01314 (08-27-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT

400 Herdon Ave
Orlando, FL 32803W/O #: 01314
DATE: 08-27-2024
A/C TT: 1051.4
A/C Tach: 1051.4

Entries

- 1 REMOVED AND REPLACED RH MLG TIRE IAW DIAMOND MM CHAPTER 32

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 08-27-2024

SIGNED:

Matthew Hughes
A&P: 3705688

WORK ORDER: 01314

Printed by EBIS (EBISCloud.com)

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

01367 (10-14-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT



400 Herdon Ave
Orlando, FL 32803

Page 1 / 1

W/O #: 01367
DATE: 10-14-2024
A/C TT: 1108.1
A/C Tach: 1108.1

Entries

- 1 -REPLACED WORN NOSE TIRE AND TUBE WITH NEW I/AW CLEVELAND AND DIAMOND MM 32-40-00.
-OPS CHECK GOOD.

I certify that this aircraft has been inspected for the work performed above and was determined to be in airworthy condition, and returned to service.

DATE: 10-14-2024

SIGNED:

Landon Moore
A&P: 4916802

WORK ORDER: 01367

Printed by EBIS (EBISCloud.com)

01397 (11-05-2024)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT



400 Herdon Ave
Orlando, FL 32803

Page 1 / 1

W/O #: 01397
DATE: 11-05-2024
A/C TT: 1130.2
A/C Tach: 1130.2

Entries

- 1 -PERFORMED 100 / 200HR INSPECTION USING DIAMOND INSPECTION CHECKLIST AND MM AS A GUIDE.
-EMERGENCY BACKUP BATTERIES VOLTIMETER READING 32.70V AT THIS TIME.
-IFR CERTS DUE OCTOBER 2025.
-ALL AD'S AND MSB'S CHECKED AND COMPLIED WITH AT THIS TIME.
- 5 -PERFORMED AUXILIARY ALTERNATOR BRUSH CHECK I/AW DIAMOND MM.
- 7 -REPAIRED TOP COWLING CAMLOCK WITH NEW RETAINING RING.
- 15 -REPLACED ENGINE INTAKE AIR FILTER I/AW DIAMOND MM.
- 16 -GLUED INTERIOR SIDE PANEL WITH TEROSON.

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

DATE: 11-05-2024

SIGNED:

Landon Moore
A&P: 4916802

WORK ORDER: 01397

Printed by EBIS (EBISCloud.com)

01458 (01-02-2025)

MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC140
REG. NO: N131DA

MYFLIGHT



400 Herdon Ave
Orlando, FL 32803

Page 1 / 1

W/O #: 01458
DATE: 01-02-2025
A/C TT: 1196.6
A/C Tach: 1196.6

Entries

- 1 -C/W 100 HR AIRFRAME INSPECTION USING DIAMOND INSPECTION CHECKLIST AND MM AS A GUIDE.
-ALL AD'S CHECKED, AND COMPLIED WITH AT THIS TIME
- 4 REMOVED AND REPLACED ECU BACK UP BATTERIES WITH NEW, IN-LINE FUSE TESTED IAW DIAMOND MM CHAPTER 24.
- 6 REMOVED AND REPLACED ALTERNATOR EXCITATION BATTERIES WITH NEW, IN-LINE FUSE TESTED IAW DIAMOND MM CHAPTER 24.
- 8 -C/W 1YR ELT INSPECTION I/AW FAR 91.207.
-ELT BATTERY REPLACEMENT DUE 04/2028.
- 9 COMPLIED WITH 3YR BRAKE FLUID REPLACEMENT IAW DIAMOND MAINTENANCE MANUAL CHAPTER 32.
- 10 REMOVED AND REPLACED ADDITIONAL ALTERNATOR BELT WITH NEW IAW DIAMOND MM CHAPTER 61.
- 13 RH MLG BEARING CONE WAS REMOVED AND REPLACED, I.A.W DIAMOND MAINTENANCE MANUAL CHAPTER 32-40-00

I certify that this Airframe has been inspected IAW 14CFR Part 43 Appendix D 100hr inspection and was determined to be in airworthy condition.

DATE: 01-02-2025

SIGNED:

Matthew Hughes
A&P: 3705688

WORK ORDER: 01458

Printed by EBIS (EBISCloud.com)

PAGE
TOTALS

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

I CERTIFY THAT THIS (AIRCRAFT) (ENGINE) (PROP)
HAS BEEN INSPECTED IN ACCORDANCE WITH FAR AC
43-13 APP(D) (ANNUAL INSPECTION) OR (100HRS. INSP.
AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
FOR RETURN TO SERVICE.

TACH TIME 1196.6 HOBBS TIME N/A

TOTAL TIME IN SERVICE 1196.6

NEW 1196.6 TTSTO N/A

SIGNATURE Thomas W. Bluhm
INSP. AUTHORIZATION A&P 1885137 IA

DATE OF INSPECTION 01-03-2025