

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME



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

Registration: N251LA
AC Serial Number: 40.NC191
Engine Serial Number: E4-A-06283
Prop Serial Number: 220124
Airframe Total Time: 3.8 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.8 HRS

- Compass Swing Performed:

- Date: JUNE 17 2022
- Next Due: JUNE 2023

FOR	N	30	60	E	120	150
STEER	360	031	061	092	122	153
FOR	S	210	240	W	300	330
STEER	180	209	238	268	299	330

- 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: MAY 27 2022
 - Next Due: MAY 2024

- Stand By Altimeter:
 - Factory Test Date: MARCH 31 2022
 - Next Due: MARCH 2024

- 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: MAY 06 2022
 - Next Due: MAY 2024
 - Programmed Registration: N251LA
 - 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: 11/22
 - Installation Inspected: JUNE 21 2022
 - Battery due: AUGUST 2028
 - Next ELT inspection due: JUNE 2023
 - ELT Programmed:
 - REG: N251LA
 - HEX: N/A
 - Country: 366 (USA)
 - Beacon ID: ADC6499905DA781

- Emergency Battery Pack: Replacement Due Date: APRIL 2024

- Garmin G1000 NXi Installation:
 - Software System: 2948.11
 - Checklist File: N/A
 - Basemap Land 5.19
 - SafeTaxi Data: 14-JUL-2022
 - Terrain Data: 3.00
 - Obstacle Data: Expires 14-JUL-2022
 - Navigation Data: Expires 14-JUL-2022
 - Apt Directory: Expires 14-JUL-2022
 - ChartView Data: N/A
 - FliteCharts Data: Expires 14-JUL-2022
 - IFR/VFR charts: Date: 16-JUN-2022


Inspector

JUN 23 2022

Date

(Continued next page)

ENGINEERING RECORD



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

Registration: N251LA
AC Serial Number: 40.NC191
Engine Serial Number: E4-A-06283
Prop Serial Number: 220124
Airframe Total Time: 3.8 HRS

- Following limitations as per DA 40 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 MAY 2024
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	APRIL 2024
ECU Backup Battery	-N/A-	1	APRIL 2023

- The following STC's are incorporated:
 - FAA STC No. SA03366NY (Beringer wheel and brake system)
- 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. 17, AND IS IN A FIT AND SAFE STATE FOR FLIGHT.
- Bi-weekly AWD check carried out to current revision 2022-13 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

[Signature]
DA
Q 8
Inspector

JUN 23 2022
Date

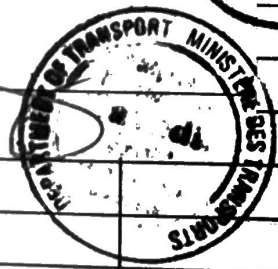
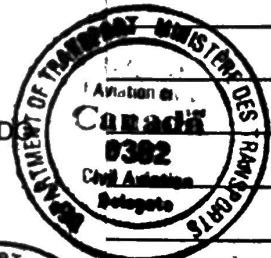
(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) JUN 28 2022, has been installed in the Aircraft on behalf of FAA Farmingdale/Saddle Brook MID Section AIR-8A5 on:

(Date) JUN 28 2022

(Print) LORNE BUELL (Signature) *[Signature]*



DATE

DAILY TOTAL

TOTAL AIR TIME SINCE MFG.

HRS.

MIN.

HRS.

MIN.

ENGINEERING RECORD
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

BROU FORW



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 3844 AIRCRAFT: N251LA TACH: 98.6 TTAF: 98.6
MODEL: Diamond DA 40 NG S/N: 40.NC191

DATE: 11/02/2022

Replaced the following parts with new: engine fuel filter (P/N: WK724-3), gascolator o-ring (P/N: ORO375), HPFP fuel supply hose assembly (P/N: A24120-01), cabin heat duct (P/N: D44-2146-00-10), and one coolant pipe clamp bracket (P/N: D44-7522-00-52). Performed Garmin G1000 magnetometer swing procedure. Pressure tested coolant system. Visually checked tires and brakes and serviced tire pressures with nitrogen. Serviced brake master reservoirs. Performed ground run-up, operational test and leak check. No defects noted at this time. **C/W AD 2016-23-03 "turbocharger v-clamp" by visual inspection of the new-style clamp in accordance with WI-MSB40NG-046/2, no defects noted.** Next due Tach: 198.6. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

This airframe is approved for return to service, for only the work performed.

Jesse Case A&P 3772878



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 3932 AIRCRAFT: N251LA TACH: 164.0 TTAF: 164.0
MODEL: Diamond DA 40 NG S/N: 40.NC191

DATE: 01/30/2023

Replaced the propeller governor with new (P/N: P-853-16, S/N: 22G1249-K/G) using supplied base gasket and new nuts (4EA P/N: LN9338-08). Replaced the cylinder head drain hose with new (P/N: D44-7176-00-02_1). Serviced coolant reservoir to fill using Zerex G-48 pre-mixed coolant. Ground run-up, operational test and leak check good. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

This airframe is approved for return to service, for only the work performed.

Jesse Case A&P 3772878



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 3984 AIRCRAFT: N251LA TACH: 182.3 TTAF: 182.3
MODEL: Diamond DA 40 NG S/N: 40.NC191

DATE: 03/22/2023

C/W DA 40 NG AMM 05-10-00 200-hour induction air filter replacement with new (P/N: RU-1620). Replaced the following parts with new: fuel transfer pump (P/N: 18002-B, S/N: 236393), engine fuel filter (P/N: WK724-3), gascolator o-ring (P/N: ORO375), main tires (2EA P/N: 025-501-0, S/N: 2175T00106, 2175T00383) and main wheel o-rings (2EA P/N: J-JTR-007N). Visually checked tires and brakes and serviced tire pressures with nitrogen. Serviced brake master reservoirs to fill. Adjusted propeller governor low pitch stop ¼ turn to increase RPM. Performed ground run-up, taxi test, operational test, and leak check. No defects noted at this time. **C/W AD 2016-23-03 "turbocharger v-clamp" by visual inspection of the new-style clamp in accordance with WI-MSB40NG-046/2, no defects noted.** Next due Tach: 282.3. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

This airframe is approved for return to service, for only the work performed.

Salvador Jimenez A&P 4273987

CARRIED FORWARD



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 4111 AIRCRAFT: N251LA TACH: 264.9 TTAF: 264.9

DATE: 07/17/2023

MODEL: Diamond DA 40 NG S/N: 40.NC191

Completed FAR 43 Appendix D annual inspection referencing DA 40 NG AMM 05-28-50 100/200-hour inspection checklist. C/W DA 40 NG AMM 04-00-00 1-year ECU battery replacement (2EA P/N. NP7-12).

Replaced the following parts with new: engine fuel filter (P/N: WK724-3), gascolator o-ring (P/N: ORO375), main landing gear retaining block rubber strips (2EA P/N. 131ZZ01020-MLG), main landing gear retaining bar lock nuts (4EA P/N: LN9348-M12), and the thermostat (P/N E4A-40-100-000) Serviced, bled, and pressure tested coolant system. Set pitch trim friction block tension to within limits. Serviced and bled both brake systems and serviced reservoirs to fill.

Complied with DA 40 NG AMM 12-20-00 airframe 200-hour lubrication checklist, 12-30-00 anti-corrosion checklist, and 05-25-00 drain holes inspection checklist. Performed main battery capacity test, battery passed C1: 111.0% per Concorde TB-13. Serviced tire pressures with nitrogen. Serviced fuel strainer and inspected all wheel bearings.

I have performed an operational check and inspection on this ELT in accordance with FAR 91.207D and it has been determined to be in an airworthy condition. ELT battery expiration date: 04/2028. C/W AD 2016-23-03 "turbocharger v-clamp" by visual inspection and torque of new style clamp in accordance with WI-MSB40NG-046, no defects noted. Next due Tach: 364.9. Verified AD's current through FAA AD biweekly 2023-15. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

I certify that this aircraft has been inspected in accordance with FAR 43 Appendix D (Annual Inspection) and has been determined to be in an airworthy condition.

Jesse Case A&P / IA 3772878



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 4233 AIRCRAFT: N251LA TACH: 335.3 TTAF: 335.3

DATE: 10/11/2023

MODEL: Diamond DA 40 NG S/N: 40.NC191

Replaced the standby attitude indicator with new (P/N: 4300-206, S/N: J23-12784). Operational check good. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

This airframe is approved for return to service, for only the work performed.

Brandon Thompson A&P 3212565



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 4267 AIRCRAFT: N251LA TACH: 357.0 TTAF: 357.0

DATE: 11/09/2023

MODEL: Diamond DA 40 NG S/N: 40.NC191

C/W Diamond MSB 40NG-080 Rev. 2 "inspection of starter wiring connection" and corrected wiring. C/W DA 40 NG AMM 05-10-00 200-hour induction air filter replacement with new (P/N: RU-1620). Replaced the following parts with new: engine fuel filter (P/N: WK724-3), gascolator o-ring (P/N: ORO375), brake discs (2EA P/N: DSC-009.3(A), brake pads (4EA P/N: PQT-010(A). Set nose caster friction to within limits. Visually checked tires and wheels and serviced tire pressures with nitrogen. Serviced brake master reservoirs to fill. Pressure tested coolant system. Performed ground run-up, taxi test, operational test, and leak check. Completed high-speed taxi and Beringer brake pad conditioning procedure. No defects noted at this time. C/W AD 2016-23-03 "turbocharger v-clamp" by visual inspection of the new-style clamp in accordance with WI-MSB40NG-046/2, no defects noted. Next due Tach: 457.0. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

This airframe is approved for return to service, for only the work performed.

A&P 3212

AIR TIME AND

ENGINEERING RECORD

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

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.

BROU
FORW



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

AIRFRAME ENTRY

WORK ORDER: 4365 AIRCRAFT: N251LA TACH: 395.4 TTAF: 395.4

MODEL: Diamond DA 40 NG S/N: 40.NC191

DATE: 03/14/2024

Replaced the following parts with new: hobbs meter (P/N: 3410-0000) and the fuel pump toggle switch (P/N: 7101K2ZQE). Operational checks good. All work completed in accordance with the Diamond DA 40 NG Maintenance Manual. -END

This airframe is approved for return to service, for only the work performed.

Jesse Case A&P 3772878

Registration
Make

N251LA

Diamond

ALPINE

Date

June 24, 202

N251LA
Diamond
DA-40NG



Date
Hobbs
TIS
TTAF

June 24,
42.
428.
428.

Serial No. 40.NC191
No. 24-3136
CRS# XGKR718T

13310 Nevada City Ave.
Grass Valley, CA 95945
(530) 477-7701



Description of Inspections, Tests, Repairs, and Alterations.

- 1 Performed Annual Inspection IAW Diamond DA40NG 100 hour Scheduled Maintenance Checklist.
- 2 Serviced Airframe IAW Diamond DA40NG Maintenance Manual Document #6.02.15 Rev 4, Jan 2020.
- 3 Inspected ELT IAW FAR 91.207(d). Next Insp. due June 2025. Battery due Apr 2028.
- 4 C/W DAI RACC System Leak Test. Next due June 2025.
- 5 C/W Garmin GFC 700 Autopilot System Mechanical Check. Next due June 2025.
- 6 C/W Fire Extinguisher Inspection. Next Inspection due June 2025. Hydro due Jan 2026.
- 7 C/W Diamond Magnetic Compass Check. Next due June 2025.
- 8 C/W Diamond Emergency Battery Replacement w/ new p/n DA4-2560-91-00. Next due June 2026.
- 9 C/W Diamond ECU Battery Replacement w/ new p/n NP7-12. Next due June 2025.
- 10 C/W Diamond Fuel Filter Replacement w/ new p/n WK724_3. Next due June 2025/ 528.6 TIS.
- 11 C/W **AD 2016-23-03** V-Band Clamp Inspection by visual inspection. Next due 528.6 TIS.
- 12 Replaced R/H Main Tire w/ new Michelin Pilot 15X6.00-6 10 Ply Tubeless Tire p/n 025-501-0 s/n 4076T00080 and O-ring p/n J-JTR-007N IAW Beringer Mx Working Card No. MM-02-002 Rev 1.
- 13 Replaced Nose Tire w/ new Goodyear Flight Eagle 5.00-5 10 Ply Tubeless Tire p/n 505T08-1 s/n 41160352 and O-ring p/n J-JTR-006N IAW Beringer Mx Working Card No. MM-02-002 Rev 1.

I certify that this Aircraft has been inspected in accordance with an Annual inspection and found to be in airworthy condition.

Signature

CRS# XGKR718T

ENGINEERING RECORD

Registration N251LA
 Make Diamond
 Model DA-40NG
 Serial No. 40.NC191
 Invoice No. 24-3136
 CRS # XGKR718T



13310 Nevada City Ave.
 Grass Valley, CA 95945
 (530) 477-7701



Date June 24, 2024
 Hobbs 42.7
 TIS 428.6
 TTAF 428.6

E
R

Description of Inspections, Tests, Repairs, and Alterations.

- 1 Garmin GDC 72 Airdata Computer s/n 45S003818 tested to 20,000' IAW FAR 43, Appendix E.
- 2 United Instruments Standby Altimeter s/n 520417 tested to 20,000' IAW FAR 43, Appendix E.
- 3 Garmin GTX 345R Transponder s/n 3EH030260 tested IAW FAR 43, Appendix F.

I certify that the Altimeter System, Altitude Reporting and Transponder tests required by FAR 91.411 and 91.413 have been performed IAW FAR 43, Appendix E & F.

Signature *E. SB*

Repair Station No. XGKR718T

*11 August 2025 / Tach & TTAF = 493.6
 Inspected aircraft & determined safe for a one-time
 ferry flight RAN-ANB. Flight must be in accordance with
 restrictions as listed on FAA Special Flight Permit
 [Signature] [Stamp] 20250811*

MODEL: Diamond DA 40
 S/N: 40.NC191
 REG. NO: N251LA
 WORK ORDER: 10108-08-2025



Twin Cities Aviation, Inc.
 8891 North Airport Road
 Hangar: 2155 Missouri Avenue
 Blaine, MN 55449

DATE: 03/18/2026
 A/C TT: 494.00
 Flight: 494.00

Airframe Entries

Complied with an annual/100 hr inspection referencing Diamond DA40NG AMM Doc # 6.02.15 Rev. 4, chapter 5 Inspection Guides. AD's researched through 2026-5. AD and SB compliance as noted below. Complied with ELT functional test 91.207(d). No discrepancies noted. ELT battery next due 3/2028. Inspection includes, but is not limited to the following: 100 hour inspections on engine and propeller. Opened all inspection panels and removed interior. Visually inspected airframe structure. Jacked aircraft and inspected the landing gear. Cleaned, inspected and serviced all wheel bearings and races. Discrepancies and maintenance on wheels noted below. Inspected wheel and brake components. Inspected flight controls and verified control travels and cable tensions. Inspected electrical system and avionics. Complied with lubrication schedule. I certify that this aircraft has been inspected IAW a 100 hour/annual inspection and was determined to be airworthy with respect to work performed at this date and time. The following maintenance and/or discrepancies were addressed:

- Complied with Diamond MSB 40NG-084 Rev 2 - Actions to prevent Passenger Door Separation. Installed placards, and inspected door. No discrepancies noted.
- Removed RACC air conditioning unit to gain access to back up batteries. Removed backup batteries P/N 50979-001 and replaced with new P/N 50979-001. Batteries next due Mar. 2027. Reinstalled air conditioning unit. Work performed IAW Diamond DA40 MM.
- Complied with MSB 40NG-085 Rev 1 - Introduction of an additional wire to each 5A ECU circuit breaker from EMI filter circuit board. Ops check satisfactory.
- Removed LH MLG wheel. Removed and replaced tire with new p/n 025-501-0 S/N 5160T00000, using new O-ring P/N 31493-110 on wheel half. Reassembled wheel assembly, inflated tire to check for leaks. No leaks noted. Reinstalled wheel onto aircraft and installed cotter pin on axle. Work performed IAW Beringer maintenance manual MM-02-002, Diamond DA40 AMM 32-40-00.
- C/W Bonding and Static Discharge Test. No defects noted. Work performed IAW Diamond DA40 AMM 51-80-00. Next due at 1,494 TT or Feb 2030, whichever first.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service

DATE: 03/18/2026

SIGNED

[Signature]

Christian Kubs
 Repair Station No. 5TCR1058

WORK ORDER: 10108-08-2025

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