

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

Section 1: Airframe Log



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

Registration: N457SA
AC Serial Number: 40.NC267
Engine Serial Number: E4-A-06627
Prop Serial Number: 211596
Airframe Total Time: 3.2 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.2 HRS

- Compass Swing Performed:

- Date: SEPTEMBER 27 2023
 - Next Due: SEPTEMBER 2024

FOR	N	30	60	E	120	150
STEER	360	031	063	093	122	153
FOR	S	210	240	W	300	330
STEER	181	208	237	268	298	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: SEPTEMBER 12 2023
 - Next Due: SEPTEMBER 2025
- Stand By Altimeter:
 - Factory Test Date: MARCH 10 2023
 - Next Due: MARCH 2025
- 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: SEPTEMBER 05 2023
 - Next Due: SEPTEMBER 2025
 - Programmed Registration: N457SA
 - 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: 31/ 23 (WW/YY)
 - Installation Inspected: OCTOBER 27 2023
 - Battery due: OCTOBER 2028
 - Next ELT inspection due: OCTOBER 2024
 - ELT Programmed:
 - REG: N457SA
 - HEX: N/A
 - Country: 366 (USA)
 - Beacon ID: ADC6498A05CD381
- Emergency Battery Pack: Replacement Due Date: AUGUST 2025
- Garmin G1000 NXi Installation:
 - Software System: 1669.12
 - Checklist File: N/A
 - Basemap Land 5.20
 - SafeTaxi Data: 30-NOV-2023
 - Terrain Data: 3.00
 - Obstacle Data: Expires 30-NOV-2023
 - Navigation Data: Expires 2-NOV-2023
 - Apt Directory: Expires 30-NOV-2023
 - ChartView Data: N/A
 - FliteCharts Data: Expires 2-NOV-2023
 - IFR/VFR charts: Date: 5-OCT-2023


Inspector

OCT 30 2023

Date

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- 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 SEPTEMBER 2025
Bonding System	1000	4 yrs. +/- 60 days	1000 hrs or SEPTEMBER 2027
Emergency Battery Pack	-N/A-	2	AUGUST 2025
ECU Backup Battery	-N/A-	1	AUGUST 2024

- 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 2023-22 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.


Inspector

OCT 30 2023

Date

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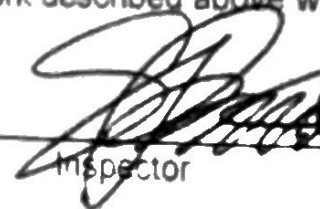
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 - FliteCharts Data: Expires 30-NOV-2023
 - IFR/VFR charts: Date: 2-NOV-2023
- Bi-weekly AWD check carried out to current revision 2023-22 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.


Inspector



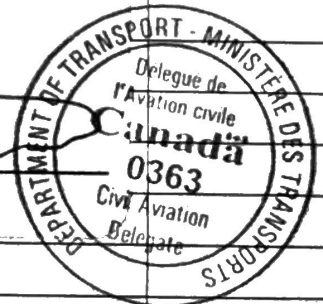
NOV 02 2023

Date

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

U.S. Standard Airworthiness Certificate, issued:

(Date) NOV 02 2023, has been installed in the
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO
Section AIR-8A5 on:(Date) NOV 02 2023(Print) R. Galton (Signature) [Signature]



Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

N457SA
HOBBS: 102.3

DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.NC267
TACH: 80.0

January 21, 2025

1. C/W Annual Inspection I/A/W DIAMOND AMM 05-20-00.
2. C/W ELT Inspection IAW FAR 91.207(D) NDN. next due 1/2026.
3. Checked AD compliance through Bi-weekly 2025-01.
4. R&R ECU Backup batteries with new. Installed (2) P/N NP7-12 DIAMOND - 12V BATTERY, Batt 2, Diamond.
5. C/W Autopilot mechanical check IAW Diamond DA40NG AMM ch. 22-10-00 part 12 & 13.
6. Verified current engine software is installed.
7. C/W MSB40NG-003/16 Garmin G1000 by verifying installed software.
8. C/W AD 16-23-03 PER ANNUAL INSPECTION IAW CH. 5-28-00 PAGE 8 DUE EVERY 100 HOURS NEXT DUE 180.0.
9. Removed RACC system leak checked and ops checked NDN at this time.
10. Inspected magnetic compass NDN at this time.
11. AD 24-19-10 due at 100 hours time in service then each 50 hours after.
12. AD 24-05-01 P/C/W per MSB-E4-042 see airframe logbook entry dated 2/15/2024.

I certify that this AIRFRAME has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_650.

Jeff Pleiman A/P I/A 3304319