

AIRCRAFT S/N:  
40.NC245

# AIRCRAFT TECHNICAL RECORD

N168

REGISTRATION

# AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

CALIBRATION CARD ALTIMETER			
P/N: 5934PD-3	C/N: A.250	S/N: 522977	
Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	-995	14,000	13965
0	-15	16,000	15970
500	500	18,000	17990
1,000	995	20,000	20010
1,500	1500	22,000	
2,000	2000	25,000	
3,000	2995	30,000	
4,000	3990	35,000	
6,000	5980	40,000	
8,000	7970	45,000	
10,000	9970	50,000	
12,000	11960		
Date: APR.26/2023		Tested By: [Signature]	
		Inspected By: DA [Signature]	

Diamond Aircraft Industries  
Reference QP-05-08-113

AeroTRANSPORT® Publications MMX  
20406-40-3  
Canada  
www.aertransport.com

## AIRCRAFT

- Nationality and Registration: N168
- Manufacturer's designation: DA 40 NG
- Manufacturer's Serial Number: 40.NC245
- Type Approval or Specification Number: A47CE
- Date of Manufacture: 2023
- Aircraft Inspections cycle:



Section 1: Airframe Log

1a

1b



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

Registration: N168  
AC Serial Number: 40.NC245  
Engine Serial Number: E4-A-06518  
Prop Serial Number: 220554  
Airframe Total Time: 3.3 HRS

Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.3 HRS

Compass Swing Performed:

FOR	N	30	60	E	120	150
STEER	360	030	060	091	122	153
FOR	S	210	240	W	300	330
STEER	180	209	238	268	299	330

- Date: JUNE 05 2023
- Next Due: JUNE 2024

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 20 2023
- Next Due: MAY 2025

Stand By Altimeter:

- Factory Test Date: APRIL 26 2023
- Next Due: APRIL 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: MAY 20 2023
- Next Due: MAY 2025
- Programmed Registration: N168
- 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: 49/22 (WW/YY)
- Installation Inspected: JUNE 02 2023
- Battery due: MARCH 2029
- Next ELT inspection due: JUNE 2024
- ELT Programmed:
  - REG: N168
  - HEX: N/A
  - Country: 366 (USA)
  - Beacon ID: ADC6492499D54C1

Emergency Battery Pack: Replacement Due Date: MAY 2025

Garmin G1000 NXi Installation:

- Software System: 1669.12
- Checklist File: N/A
- Basemap Land 5.20
- SafeTaxi Data: 15-JUN-2023
- Terrain Data: 3.00
- Obstacle Data: Expires 15-JUN-2023
- Navigation Data: Expires 15-JUN-2023
- Apt Directory: Expires 15-JUN-2023
- ChartView Data: N/A
- FliteCharts Data: Expires 15-JUN-2023
- IFR/VFR charts: Date: 18-MAY-2023

Inspector

JUN 05 2023  
Date

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

Registration: N168  
AC Serial Number: 40.NC245  
Engine Serial Number: E4-A-06518  
Prop Serial Number: 220554  
Airframe Total Time: 3.3 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 2025
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	MAY 2025
ECU Backup Battery	-N/A-	1	MAY 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 2023-12 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

Inspector

JUN 05 2023  
Date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) JUN 12 2023, has been installed in the Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO Section AIR-8A5 on:

(Date) JUN 12 2023

(Print) R. Salton (Signature)





