

AIRCRAFT

- | | |
|---|----------|
| 1. Nationality and Registration: | N275SB |
| 2. Manufacturer's designation: | DA 40 NG |
| 3. Manufacturer's Serial Number: | 40.NC137 |
| 4. Type Approval or Specification Number: | A47CE |
| 5. Date of Manufacture: | 2021 |
| 6. Aircraft Inspections cycle: | |



Section 1: Airframe Log



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

Registration: N275SB
AC Serial Number: 40.NC137
Engine Serial Number: E4-A-06060
Prop Serial Number: 210282
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:

- Date: MAY 05 2021
- Next Due: MAY 2022

FOR	N	30	60	E	120	150
STEER	360	030	059	090	120	150
FOR	S	210	240	W	300	330
STEER	179	209	237	269	299	331

- 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: APRIL 27 2021
 - Next Due: APRIL 2023
- Stand By Altimeter:
 - Factory Test Date: FEBRUARY 18 2021
 - Next Due: FEBRUARY 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: APRIL 27 2021
 - Next Due: APRIL 2023
 - Programmed Registration: N275SB
 - 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: MAY 07 2021
 - Battery due: APRIL 2028
 - Next ELT inspection due: MAY 2022
 - ELT Programmed:
 - REG: N275SB
 - HEX: N/A
 - Country: 366 (USA)
 - Beacon ID: ADC64999701D331
- Emergency Battery Pack : Replacement Due Date : APRIL 2023
- Garmin G1000 NXi Installation:
 - Software System: 2948.11
 - Checklist File: N/A
 - Basemap Land 5.19
 - SafeTaxi Data: 17-JUN-2021
 - Terrain Data: 3.00
 - Obstacle Data: Expires 17-JUN-2021
 - Navigation Data: Expires 20-MAY-2021
 - Apt Directory: Expires 17-JUN-2021
 - ChartView Data: N/A
 - FliteCharts Data: Expires 20-MAY-2021
 - IFR/VFR charts: Date: 22-APR-2021

Inspector

MAY 10 2021
Date

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

Registration: N275SB
AC Serial Number: 40.NC137
Engine Serial Number: E4-A-06060
Prop Serial Number: 210282
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 APR 2023
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	APRIL 2023
ECU Backup Battery	-N/A-	1	APRIL 2022

- The following STC's are incorporated:
 - No STC's incorporated.
- 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 2021-09 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

 **DA Q 8**
Inspector

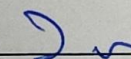
MAY 10 2021
Date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) MAY 13 2021, has been installed in the
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO
Section AIR-8A5 on:

(Date) MAY 13 2021

(Print) L. Beckman (Signature) 



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							

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 0417



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 9/8/2021
A/C TSN: 90.3
HOBBS: 108.7

Airframe Entries

- Replaced fuel filter

DATE: 9/8/2021

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0417

Printed by EBis 3 (datamedia.com)

Reg.# N275SB Make: Diamond DA 40 NG Serial:
40.NC137

Date: Sep 30, 2021 ACTT: 12401

Removed and replaced the Airspeed Indicator.

P/N On: 8025B908 S/N On: 220835

P/N Off: 8025B908 S/N Off: 218882

Ops Check Good.

Timothy Blount A&P 3406065

Engine. Model: E4-A Serial No. E4P-A-06060

Date: 09-30-2021 Hobbs Time: 124.1

Removed and replaced the fuel pressure sensor

P/N On: E4A-52-100-801 MFG Lot# RC2103394

P/N Off: E4A-52-100-801 No Off# Ops checks Good.

Timothy Blount A&P 3406065

ARAPAHO

12760 EAST CONTROL TOWER ROAD ENGLWOOD, COLORADO 80112 (303) 799-8486
N275SB Diamond DA 40NG S/N: 40.NC137 Airframe Log Entry
27 December 2021 Tach:

Drained all fuel from the left fuel tank after report of 4 gallons of AV Gas put in the left fuel tank. Engine was not run.
Scott L. Utz A&P3442269 w/o 42957

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TOTALS

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MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 0517



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 3/7/2022
A/C TSN: 203.3
HOBBS: 240.4

Airframe Entries

- Performed Annual Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced fuel filter
- Complied with 100 Hour lubrication

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 3/7/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0517

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 0707



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 10/28/2022
A/C TSN: 311.3
HOBBS: 363.8

Airframe Entries

- Replaced stall horn with new DA4-2739-10-00X05
- Replaced canopy hinge with new D41-5210-60-00_03

DATE: 10/28/2022

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0707

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MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 0676



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 10/28/2022
A/C TSN: 311.3
HOBBS: 363.8

Airframe Entries

- Replaced fuel filter

DATE: 10/28/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0676

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 0759



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/5/2023
A/C TSN: 353.9
HOBBS: 414.4

Airframe Entries

- Performed Annual Inspection using DA40NG AMM as a guide
- Inspected ELT system IAW 14 CFR 91.207(d)
- Replaced ECU backup batteries
- Replaced fuel filter
- Complied with 100 Hour lubrication
- Replaced RACC control panel with new DAI-9021-00-03_1
- Replaced emergency battery pack with new case D60-2560-92-00 and 10x CR123A batteries

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/5/2023

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0759

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

MAKE: DIAMOND AIRCRAFT
MODEL: DA 40 NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 2819-07-2024

**Lafayette Aircraft Services LLC**

125 Shepard Drive
Lafayette, LA 70508 USA
Phone: 337-266-8991

DATE: 19 July, 2024
A/C TSN:
TACH: 509.9

Airframe Entries

Troubleshoot pilot squawk of air speed indication on both the G1000 and analog airspeed indicators while aircraft is static: Removed pilot's seat. Inspected pitot/static water traps, no defects noted. Reinstalled pilot's seat. Checked air speed indication with pitot/static test box, no defects noted. Ground ran engine and taxied. Could not duplicate the discrepancy.

All maintenance performed on this aircraft was performed in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed above.

DATE: 19 July, 2024

SIGNED:

Mark Suire, A&P: A&P 4034242

Work Order: 2819-07-2024

Printed by EBis 3 (datcomedia.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
WORK ORDER: 1214

**Premier Aircraft Service, Inc.**

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 9/23/2024
A/C TSN: 540.8
HOBBS: 639.9

Airframe Entries

- Replaced RH tire 156E61-3 and tube GL-1520B

DATE: 9/23/2024

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 1214

Printed by EBis 3 (datcomedia.com)

Reg.# N275SB Make: Diamond DA 40 NG Serial:
40NC137

Date: Nov 8, 2024 Tach Time: 556.3

Removed and replaced the left main wheel tube.
Installed a new Michelin Air-Stop P/N: 097-500-0 Tube
Size: 15 x 6.0 - 6 Production Lot # 06/2024. Serviced
tire to full serviceable pressure. No leaks noted.

Timothy Blount A&P 3406065

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							

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB



3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106

Airframe Entries

- Replaced intercooler hose D44-8122-00-10_2
- Replaced fuel filter

W/O #: 1286
DATE: 03-05-2025
Airframe TT: 576.2
Tach: 576.2
Hobbs: 682.5

DATE: 03-05-2025

SIGNED:

Chad Cox
License: AP3782800 IA

WORK ORDER: 1286
Printed by EBIS (EBIScloud.com)

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB



3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106

Airframe Entries

Performed Annual Inspection using DA40NG AMM as a guide
Inspected ELT system IAW 14 CFR 91.207(d)
Replaced ECU backup batteries
Replaced fuel filter
Complied with 100 Hour lubrication
Replaced emergency batteries CR123A

W/O #: 1488
DATE: 07-08-2025
Airframe TT: 604.8
Tach: 604.8
Hobbs: 717.0

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 07-08-2025

SIGNED:

Chad Cox
License: AP3782800 IA

WORK ORDER: 1488
Printed by EBIS (EBIScloud.com)

PATTERSON AVIONICS INC.
N275SB

CRS#PT8R472J

Removed Defective Garmin GIA 64w (S/N# 4SK011358)
and installed Overhauled GIA 64w unit (S/N
4SK000851. Work order number 25-275SB

Signed

Date 5/16/2025

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TOTALS

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

01805 (10-07-2025)

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MAKE: DIAMOND AIRCRAFT
INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC137
REG. NO: N275SBMYFLIGHT 400 Herdon Ave
Orlando, FL 32803W/O #: 01805
DATE: 10-07-2025
A/C TT: 642.8
A/C Tach: 642.8

Entries

2 -REPAIRED CRACKED EXHAUST MUFFLER IAW AC 43.13-1B.

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: 10-07-2025

SIGNED:

Matthew Hughes
A&P: 3705688 IA

WORK ORDER: 01805

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MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106W/O #: 1794
DATE: 08-03-2026
Airframe TT: 720.2
Tach: 720.2
Hobbs: 851.7

Airframe Entries

Performed Annual Inspection using DA40NG AMM as a guide
Inspected ELT system IAW 14 CFR 91.207(d)
Replaced ECU backup batteries
Replaced fuel filter
Complied with 100 Hour lubrication
AD 2016-23-03 Inspected turbo clamp IAW MSB40NG-046/2
Replaced nose tire and tube

I certify this aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 08-03-2026

SIGNED:

David Seastead
License: AP3492477 IA

WORK ORDER: 1794

Printed by Vervon vervon.com



BROADIE'S AIRCRAFT

Meacham International Airport

4701 N. Main St., Loc 44N, Fort Worth, Texas 76106

817-626-1532 www.BroadiesAircraft.com

Aircraft Registration # N275SB

S/N: 40.NC137

TACH:

720.2

Description of work performed:

Airframe DA 40 NG

HOBBS:

851.7

FAR 91.411

PERFORMED SATISFACTORY STATIC SYSTEMS, ALTITUDE INDICATING SYSTEMS AND ALTITUDE REPORTING SYSTEMS TESTS AND INSPECTIONS REQUIRED BY 14 CFR 91.411 IAW DIAMOND DA40NG AMM 34-10-00 AND 14 CFR PART 43, APPENDIX E. THE FOLLOWING EQUIPMENT WAS TESTED: NO. 1 ADC P/N 011-03734-00, S/N 45S003134 AND STANDBY ALTIMETER P/N 5934PD-3 S/N 519507. **CERTIFIED TO 20,000 FEET.**

FAR 91.413

PERFORMED SATISFACTORY TESTS AND INSPECTIONS OF TRANSPONDER SYSTEMS REQUIRED BY 14 CFR 91.413 IAW DIAMOND DA40NG AMM 34-56-00, 14 CFR 43 APPENDIX F AND APPENDIX E SUBPART (C). THE FOLLOWING EQUIPMENT WAS TESTED: NO. 1 TRANSPONDER P/N 011-03303-00 S/N 3EH028338.

BROADIE'S AIRCRAFT CERTIFIES THAT THE WORK SPECIFIED IN THIS REPAIR ORDER WAS COMPLETED IN ACCORDANCE WITH FAA REGULATIONS. THIS ARTICLE IS AIRWORTHY WITH RESPECT TO MAINTENANCE, PREVENTIVE MAINTENANCE, OR ALTERATIONS PERFORMED, AND IS APPROVED FOR RETURN TO SERVICE.

CRS#WF1R582K

Signature:

Date: 06/Aug/2026

Repair Order # 10177