

# **AIRCRAFT TECHNICAL LOGS**

## **Section 1. AIRFRAME**

# AIR TIME AND



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

Registration: N844LA  
AC Serial Number: 40.NC194  
Engine Serial Number: E4-A-06293  
Prop Serial Number: 220119  
Airframe Total Time: 3.5 HRS

- Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.5 HRS

- Compass Swing Performed:

- Date: JULY 13 2022
  - Next Due: JULY 2023

FOR	N	30	60	E	120	150
STEER	360	030	059	090	122	153
FOR	S	210	240	W	300	330
STEER	180	210	239	269	300	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: JUNE 17 2022
  - Next Due: JUNE 2024
- Stand By Altimeter:
  - Factory Test Date: APRIL 13 2022
  - Next Due: APRIL 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 26 2022
  - Next Due: MAY 2024
  - Programmed Registration: N844LA
  - 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 (WW/YY)
  - Installation Inspected: JULY 13 2022
  - Battery due: APRIL 2028
  - Next ELT inspection due: JULY 13 2023
  - ELT Programmed:
    - REG: N844LA
    - HEX: N/A
    - Country: 366 (USA)
    - Beacon ID: ADC6498C28AA781
- Emergency Battery Pack : Replacement Due Date: APRIL 2024
- Garmin G1000 NXi Installation:
  - Software System: 2948.11
  - Checklist File: N/A
  - Basemap Land 5.20
  - SafeTaxi Data: 8-SEP-2022
  - Terrain Data: 3.00
  - Obstacle Data: Expires 8-SEP-2022
  - Navigation Data: Expires 11-AUG-2022
  - Apt Directory: Expires 8-SEP-2022
  - ChartView Data: N/A
  - FliteCharts Data: Expires 11-AUG-2022
  - IFR/VFR charts: Date: 14-JUL-2022

  
Inspector

JUL 14 2022  
Date

(Continued next page)

# ENGINEERING RECORD

1



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

Registration: N844LA  
AC Serial Number: 40.NC194  
Engine Serial Number: E4-A-06293  
Prop Serial Number: 220119  
Airframe Total Time: 3.5 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 JUNE 2024
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery Pack	-N/A-	2	APRIL 2024
ECU Backup Battery	-N/A-	1	MAY 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 2022-14 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

  
Inspector

JUL 14 2022

Date

(Intentionally left blank below this point)

U.S. Standard Airworthiness Certificate, issued:

(Date) JUL 21 2022, has been installed in the  
Aircraft on behalf of FAA Farmingdale/Saddle Brook MIDO  
Section AIR-8A5 on:

(Date) JUL 21 2022

(Print) R. Solton (Signature) 



# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

*Advanced Aviation*

5 Aero Plaza

New Century, KS 66031

Phone: 913-768-1500

08/05/2022

N844LA

Hobbs: 8.5

Tach: 6.2

Airframe Logbook

Removed all brake master cylinders. Replaced (1) brake master cylinder P/N MP-001.5N, replaced (2) banjo bolts P/N HYD-003P. Replaced (1) banjo fitting P/N HYD-022VC. Replaced (4) copper seals P/N HYD-005B. Torqued all banjo fitting to 45 in lbs and the rotated the fittings 90 degrees IAW Beringer's Servicing Manual, SM-03. All master cylinders reinstalled and serviced with MIL-PRF-87257. Brakes bled and operationally checked. All work performed IAW standard maintenance practices, Beringer Servicing Manual, Diamond DA40NG MM, and AC43.13.

*[Signature]*

Celso Ruiz-Perez A&P 4273363

MAKE Diamond  
MODEL DA40NG  
S/N 40 NC194  
REG NO N844LA  
WORK ORDER 0703

*Premier*  
Aircraft Service

Premier Aircraft Service, Inc.

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

DATE 10/26/2022  
A/C TSN: 748  
HOBBS: 98.9

## Airframe Entries

- Replaced fuel filter

DATE: 10/26/2022

SIGNED:

*[Signature]*

Roston Wilson, License: 4600007

Work Order: 0703

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MAKE Diamond  
MODEL DA40NG  
S/N 40 NC194  
REG NO N844LA  
WORK ORDER 0897

*Premier*  
Aircraft Service

Premier Aircraft Service, Inc.

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

DATE: 8/1/2023  
A/C TSN: 200.1  
HOBBS: 260.1

## 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
- Adjusted rudder trim tab slightly to right
- Serviced coolant system
- Bled brakes

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

DATE: 8/1/2023

SIGNED:

*[Signature]*

David Seastead, License: AP3492477 IA

Work Order: 0897

Printed by EBis 3 (datcomedia.com)

CARRIED FORWARD



ENTRI

-ICENCE  
NUMBER

A&P3296474IA

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040



*[Signature]* DATE 8/1/24 WO# TFC 24-958  
FAA ITFR462B

[illegible]

# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

*Advanced Aviation*

5 Aero Plaza

New Century, KS 66031

Phone: 913-768-1500

11/19/2024

N844LA

Hobbs: 413.4

Tach: 311.3

Airframe Logbook

Removed and replaced tires with new Goodyear Flight Custom III tubeless tires P/N 155E06-1 and installed them using new Beringer o-rings P/N 2-20-20715. All work completed IAW standard maintenance practices, Diamond DA40NG MM and AC 43.13.



Celso Ruiz-Perez A&P 4273363

*Advanced Aviation*

5 Aero Plaza

New Century, KS 66031

Phone: 913-768-1500

Date 02/03/2025

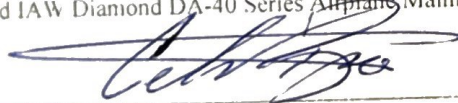
N844LA

Tach: 314.5

Airframe Logbook

1. Removed and replaced ship's main battery p/n RG24-15 s/n 41428962. Ops check completed.

All work performed IAW Diamond DA-40 Series Airplane Maintenance Manual or AC 43.13-1(b)/2(b).



Celso Ruiz-Perez 4273363 AP

CARRIED FORWARD





Take Flight Aviation  
49 Hangar Rd Montgomery NY, 12549  
845-457-4188

TSN: 333.9

- James T. Markey 31668721A

[illegible]

# CALIBRATION CARD ALTIMETER

P/N: 5934PD-3

C/N: A.120 ~~250~~

S/N: 520285

Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp	Standard Alt (Ft)	Alt Reading (Ft) @ Room Temp
-1,000	-10	14,000	-45
0	-5	16,000	-45
500	5	18,000	-30
1,000	5	20,000	-15
1,500	5	22,000	
2,000	5	25,000	
3,000	10	30,000	
4,000	5	35,000	
6,000	-5	40,000	
8,000	-15	45,000	
10,000	-25	50,000	
12,000	-35		

Date: APR 13 2022

Tested By:



Inspected By:



Diamond Aircraft Industries  
Reference QP-05-08-113





M I D W E S T  
C O R P O R A T E  
A V I A T I O N

## ENGINE LOG ENTRY

N844LA  
Model: DA40NG  
S/N: 40.NC194

Date: 4/20/2023  
HOBBS: 166.3  
TACH: 122.1

### Work Accomplished:

- Checked Oil Level and started and warmed engine – noting oil pressure responded immediately
- Removed upper and lower cowling.
- Took Oil Sample IAW Austro Engine MSB-E4-039/0 Issue Date 10/24/2022. Results will be sent to Owner and IAW MSB-E4-039/0. Secured safety plug. Quick Drain Leak checked – no defects found.
- Performed brief Visual Inspection of Astro Engine Installation for concerning defects – no defects found.
- Reinstalled lower and upper cowling and secured all cam locks.

All maintenance performed on this Engine was performed in accordance with current regulations of the FAA and was determined to be in airworthy condition and is approved for service with respect to the work performed. Pertinent details are on file at this repair station under the **Work Order No. 27636**.

  
for Midwest Corporate Aviation, FAA CRS # BVYR657C  
3512 N. Webb Road, Wichita, KS 67226. (316) 636-9700.



M I D W E S T  
C O R P O R A T E  
A V I A T I O N

## AIRFRAME LOG ENTRY

Model: DA40NG  
MFG: Diamond Aircraft  
S/N: 40.NC194


N844LA  
TT: 122.6  
Hour Meter: 166.3

Date: 4/21/2023

### Work Accomplished:

- Right Aft Cabin Headliner Panel noted coming loose. Removed R/H Aft Headliner panel and replaced non-adhering Velco with new Velco with improved adhesion and reinstalled the R/H Aft Headliner Interior Panel. Work IAW AC43.13 Chapter 9-4 and Diamond DA40NG IPC Section 25-10.
- Removed Ground Adjustable Rudder Trim tab from Rudder. Adjusted Tab by estimate on the bench to correct for heavy R/H rudder pedal force required in flight per Pilot Report. Reinstalled Adjustable Rudder Trim tab IAW Diamond DA40NG MM Section 27-20.

All maintenance performed on this Aircraft was performed in accordance with current regulations of the FAA and was determined to be in airworthy condition and is approved for service with respect to the work performed. Pertinent details are on file at this repair station under the **Work Order No. 27637**.

  
for Midwest Corporate Aviation, FAA CRS# BVYR657C  
3512 N. Webb Road • Wichita, KS 67226 • (316) 636-9700