

NMICS

REGISTRATION



## AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

Prince   P		CALIBRA	CALIBRATION CARD	•
Alt Reading (Ft) Standard Alt (Ft)  Alt Reading (Ft) Standard  Alt Reading (Ft)  Alt Reading (Ft)  Alt Report Standard  Alt (Ft)  Alt (F		ALI	MEIEK	
Alt Reading (Ft) Standard  @ Room Temp Alt (Ft)  - \( \sigma \) 14,000 +  - \( \sigma \) 18,000 +  - \( \sigma \) 22,000  - \( \sigma \) 30,000  - \( \sigma \) 35,000  - \( \sigma \) 35,000  - \( \sigma \) 45,000  - \( \sigma \) 50,000  - \( \sigma \) 50,000				
@ Room Temp       Alt (Ft)         - S       14,000         - S       18,000         + 10       20,000         + 10       25,000         + S       30,000         + S       35,000         - 10       45,000         - 10       45,000         - 10       50,000         - 10       50,000         - 10       50,000         - 10       50,000	Standard	Alt Reading (Ft)	Standard	Alt Reading (Ft)
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30,000 40,000 45,000 10 10 10 10 10 10 10 10 10	2,000	+1.0	25,000	
75 35,000 75 40,000 10 45,000 10 50,000 Tested By: 73	3,000	¢\+	30,000	
10 40,000 10 45,000 10 50,000 Tested By: 73	4,000	+5	35,000	
10 45,000 10 50,000 Tested By: /2	6,000	>	40,000	
-10 50,000   50,000	8,000	0 -	45,000	
- ( O	10,000	~10	50,000	
Tested By:	12,000	01-		
The state of the s	Date: 2-9-20	Tested By:		ected By:

FORM QA-A5 (B)

UNITED INSTRUMENTS, INC.



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

Registration:

AC Serial Number: Engine Serial Number:

N741CD 40.1230

Prop Serial Number: Airframe Total Time:

L-38392-51E NS5109B 4.7 HRS

Total Time Airframe Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.7 HR

Compass Swing Performed:

Date: 0

AUGUST 05 2021

Next Due: 0

**AUGUST 2022** 

FOR TAL	1.4.7 Lis
STEER OO	60 F HRS
FOR 1001 030	120
STEER 194	240 088 117 150
181 212	059 088 117 150 240 W 300 330 241 270 301
nspectod	240 W 300 330 241 270 301 330

Static Pressure system and Primary Altimeter (G1000) have been inspected and tested in accordance with Chandard 571, Appendix B and 14 CFR 91.411:

MAY 19 2021

Stand By Altimeter:

Factory Test Date:

**FEBRUARY 09 2021** 

Next Due:

FEBRUARY 2023

Next Due:

ATC Transponder & Altitude Reporting System(s) have been tested in Accordance with CAR Standard 571,

MAY 2023 Next Due: 0

Programmed Registration: N741CD 0

N/A (U.S. Registration) Hex Code:

The ELT was tested and inspected in Accordance with CAR Standard 571, Appendix G and 14 CFR 91.207(d):

0

Battery due: **APRIL 2028** Next ELT inspection due: AUGUST 10 2021 0

ELT Programmed:

REG: N741CD HEX: N/A Country:

366 (USA) Beacon ID: ADC6499C29DBB21

Emergency Battery Pack: Replacement Due Date: APRIL 2023

Garmin G1000 NXi Installation:

Software System: 3462.01 0

Checklist File: N/A 0

Basemap Land 5.19

SafeTaxi Data: 7-OCT-2021 0 0

Terrain Data: 3.00

Obstacle Data: Expires 07-OCT-2021

Navigation Data: Expires 9-SEP-2021

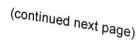
Apt Directory: Expires 7-OCT-2021

FliteCharts Data: Expires 9-SEP-2021

IFR/VFR charts: 15-JUL-2021



AUG 1 2 2021





DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROVED MANUFACTURER #161-93 Registration:
AC Serial Number:
Engine Serial Number:
Prop Serial Number:

Airframe Total Time:

N741CD 40.1230 L-38392-51E NS5109B

4.7 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 2023
Bonding System	1000	-N/A-	1000 hrs
Emergency Battery	-N/A-	2	APRIL 2023

- The following STC's are incorporated:
  - o FAA STC No. SA01918LA (AmSafe Inflatable Restraint System)
  - o FAA STC No. SA03281AT (Power Flow Systems Inc. Tuned Exhaust System)
  - FAA STC No. SA02476CH-D (Hartzell Propeller Model No. HC-C2YR-1BFP/F7497)
  - o FAA STC No. SE03232CH (Tanis Pre Heater System)
  - FAA STC No. SA03674AT (Air Conditioning Installation)
- 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 2021-16 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

Inspector (Intentionally left bla	AUG 1 2 2021  date  blank below this point)
U.S. Standard Airworthiness C  (Date) AUG 1 9 2021 , has Aircraft on behalf of FAA Farm Section AIR-8A5 on:  (Date) AUG 1 9 2021  (Print) L. Beierine (Signal	as been installed in the rmingdale/Saddle Brook MIDO

Section 1: Airframe Log LANDINGS / CYCLES AIR TIME DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT DAILY TOTAL TOTAL DATE DAILY TOTAL TOTAL MIN HOURS MIN HRS CARRIED FORWARD DIAMOND AIRCRAFT IND. D.O.T. APPROVED MAINTENANCE ORGANIZATION161-93 Diamond 40.1230 AC Serial Number: NS5109B Prop Serial Number N741CD SO073201 L-38392-51E Work Order: Engrie Serial Number Artrame Total Time 47 HRS Maintenance Performed: Stripe package installed on aircraft Negligible effect on weight and balance of rudder following stripe installation Described has been performed IAW the Applicable Standard of Airworthiness The Maintenance Date: AUG 2 0 2021 ACA DATE: 8/23/2021 Premier Aircraft Service,. Inc. MAKE: Diamond MODEL: DA 40 S/N: 40.1230 REG. NO: 741CD WORK ORDER: 9481-08-2021 A/C TSN: 13.7 TACH: 13.7 S540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393 Aircraft Service (2) INSTALLED CANOPY SUN VISORS IAW DIAMOND OAM-40-327/C AND WI-OSB-40NG-028. FILLED OUT FAA337. Airframe Entries REVISED EQUIP LIST AND WEIGHT AND BALANCE. DA Monull muces Work Order: 9481-08-2021 SIGNED: DATE: 8/23/2021 EMMANUEL VICIOSO CRS 9P RR402B Printed by EBis 3 (datcomedia.com) MAKE: Diamond MODEL: DA 40 S/N: 40.1230 REG. NO: 741CD WORK ORDER: 9487-08-2021 Fort Lauderdale, FL 33309
Phone: (954) 334-2393 Premier Aircraft Service,. Inc. DATE: 8/25/2021 A/C TSN: 17 TACH: 17 Airframe Entries (2) REPLACED LH POSITION / STROBE LIGHT WITH NEW PN :01-0771733-12 IAW: DA40 180 AMM 33-40-00 AND AC43.13-1B CHAPTER 11. OPERATIONAL CHECKED GOOD. DATE: 8/25/2021 SIGNED SAMUEL TAVAREZ JR. CRS# 9PRR402B Work Order: 9487-08-2021 Printed by EBis 3 (datcomedia.com)

PAGE TOTALS

## Section 1: Airframe Log

	T All	RTIME		LANDIN	IGS / CTCLES	
DATE	DAILY TOTAL	TOTA	MIN	DAILY TOTAL	TOTAL	DETAILS OF TASK
CARRIED	HRS MIN	HOURS	IVITI			(INSPECTION, REPAIRS & REPLACEIN
FORWARD						a REPLACEINE
[	17					

wo: WO\_147



LANDINGS / CYCLES

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Steel Aviation, Inc. 53 North Street Ext - Phillipsburg, Ohio 45354 937 332 7587

## DIAMOND AIRCRAFT IND INC, DA 40, S/N: 40.1230 N741CD TACH: 151.8

January 06, 2023 1. C/W Annual Inspection in accordance with FAR 43 Appendix D - using Diamond AMM as a guide. 2. C/W ELT Inspection IAW FAR 91.207(D).

- 3. ELT Battery Due: April 2028.
- ELT Battery Due: April 2026.
   Airworthiness Directives Due: New AD's: AD22-13-06 N/A by date of manufacture of baggage net. Recurring
- 5. Placard ordered for MSB40-096 comply with once part comes in.
- 6. MSB40-093 does not apply by date of manufacture on baggage net.
- 7. C/W 100 hour per Diamond AMM. Next due @ 251.8.
- 8. R&R L/H tire and tube with new tire and serviceable tube. Installed P/N 156E66B1 15.00x6.0-6 6PLY tube
- 9. C/W Powerflow Exhuast ICA's.
- 10. C/W Amsafe 12 month ICA's.

- 11. C/W Tanis ICA's 12 month visual inspection.
- 12. C/W AD 15-19-07 by visual inspection. Next due @ 251.8 Tach and every 110 hrs after or any maintenance is done where a clamp is move, loosened or removed.

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, Inc. under work order: WO 147.

Jeff Pleiman A/P I/A 3304319