

ERA23LA285

INVESTIGATIVE PHOTOS

Section 1: Airframe Log

DATE / /	AIR TIME		LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL HRS MIN	TOTAL HOURS MIN	DAILY TOTAL HRS MIN	TOTAL	
CARRIED FORWARD					

wo: WO_672



Take Flight Aviation LLC - 49 Hanger Road - Montgomery, NY 12549 - 845/4574188

N44HH
tact: 321.0

DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.NC001
ACTT: 321.0 hobs: 491.3

October 14, 2020

1. Performed Annual inspection I/AW AC43.13 Appendix D and Diamond DA40NG Aircraft Maintenance Manual.
2. All access panels opened. And aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/AW FAR 91.207 (e). battery replacement due 08/2023.
7. Main battery removed, serviced, charged, and reinstalled.
8. All routine service item performed.
9. AD's complied with bi-weekly thru this date.
10. Removed and replaced LH flap with new as required.
11. Installed missing rudder decals on RH and LH sides as required. Installed (1) Decals - Decals on rudder.
12. Removed and replaced RH brake linings with new as required. Installed (4) 066-10500 - Brake Pads, Installed (12) 105-00200 - Brake Rivet.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_672.

James T. Markay IA [REDACTED]

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

wo: WO_1194



Take Flight Aviation LLC - 49 Hanger Road - Montgomery, NY 12549 - 845/4574188

Airframe (Annual) - page 1 of 1

N44HH
hobs: 740.4

DIAMOND AIRCRAFT IND INC, DA 40 NG, S/N: 40.NC001
tact: 490.4

June 10, 2022

1. Performed Annual inspection checklist I/AW 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour, Installed P/N LN94-40060 - Split Pin Rev/Lot: RC2006752, Installed P/N 14059 - RTV (High Temp. Red).
2. All access panels opened, aircraft placed on jacks.
3. Lubricated all flight controls, and checked control cable tensions.
4. Removed wheel assemblies for inspection.
5. Inspected and reinstalled wheel bearing.
6. ELT inspected and tested I/AW FAR 91.207 (d).
7. Main battery removed, serviced, charged, and reinstalled. Inspected ECU backup batteries as required.
8. All routine service items performed.
9. Complied with Beringer brake STC ICAs as required.
10. All ADs checked bi-weekly thru this date.
11. Re-adhered head liner panels with velcro as required. Installed (8 ft) P/N Velcro - Velcro.
12. Re-adhered rear seat cushion with adhesive glue as required.
13. Removed and replaced broken rudder mount bracket with new unit as required. Ops. checked good. Installed P/N DA4-2723-60-00 - Bottom Rudder Bracket Rev/Lot: RC2201141. Installed (7) P/N DIN965-M6-ZP - M6 Zinc Plated Locknut Rev/Lot: RC2101191.
14. Cowling and firewall heat paint peeling. Scraped and cleaned cowls as required, applied new heat paint to cowling and firewall as required. Installed (2) P/N HENSOTHERM2K - Fire Paint Base, Installed P/N HENSOTOP84A - Fire Paint Top Coat.
15. Removed and replaced worn L/H tire with new unit as required. Installed P/N 156E06-1 Tire - 15x6.00-6 10 Ply Tire.
16. Removed and replaced worn L/H inner main bearing and race as required. Installed P/N 13889-20629 - Wheel bearing, Installed P/N 08125-20629 - Bearing Race.
17. Removed and replace worn R/H tire with new unit as required. Installed P/N 156E06-1 Tire - 15x6.00-6 10 Ply Tire.
18. Removed and replaced worn R/H inner race and bearing with new units as required. Installed P/N 13889-20629 - Wheel bearing, Installed P/N 08125-20629 - Bearing Race.
19. Removed and replaced corroded taxi / landing light washers as required. Installed (12) P/N A3135-8 - Washer.
20. Replaced missing cowling quarter-turn with new as required. Installed P/N 214-16N - CAMLOC 4002 Rev/Lot: 72-19162, Installed P/N 4055-70 - Camloc Bolt.
21. Removed and replaced with new as required. Installed (2) P/N DA4-2560-91-00 - EMERGENCY BATTERY PACK.

I certify that this airframe was inspected in accordance with an annual inspection, and that this airframe has been determined airworthy and approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_1194.

James T. Markay IA [REDACTED]

Photograph 1 - Airframe logbook

WO_1194

TF

Diamond

TAKE FLIGHT AVIATION LLC

Engine (Annual) - page 1 of 1

Take Flight Aviation LLC - 49 Hanger Road - Montgomery, NY 12549 - 845431188

June 10, 2022

NAME/
SIGNATURE

LICENCE:
AREA of
AMDIACA

NI4HH

hobbs: 740.4

tach: 490.4

1. Performed Annual engine inspection IAW 14 CFR, part 43, Appendix D, using Austro Engines E4 Manual and Diamond AMM checklist for reference. Installed (7) P/N SW30LT - Aeroshell, installed P/N HU615/3x - Oil filter, installed P/N WK724-3 - Fuel filter, installed (2) P/N 11-08417 - AMPHENOL RF BNC FEMALE TO FEMALE ADAPTER.

2. Drained oil, retained sample for analysis. Removed filter, inspected with no contamination noted. Installed new filter, safety wired and added 7qts Aeroshell Ultra Diesel oil.

3. Removed and replaced leaking turbo oil return line O-ring with new as required. Leak stopped successfully. Installed P/N OR_7.8X32-ACM70 - O-Ring Rev/Lot: RC2019045.

4. Tightened alternator belt as required.

5. Applied RTV to between coolant line and alternator to prevent further chafing.

6. Applied RTV to the coolant line to the starter to prevent chafing as required.

7. Removed and replaced leaking valve cover hose with new as required. Installed P/N DS-HD1-28-0430-30-30 - Hose, Drain, Oil Rev/Lot: RC2105396.

8. All routine service items performed.

9. Inspected engine coolant tank and pressure checked as required.

10. Visually inspected turbo charger and lubricated as required.

11. Inspected exhaust system as required.

12. Examined all belts and wiring with no defect noted.

13. All ADs checked bi-weekly thru this date.

I certify that this engine has been inspected in accordance with an annual inspection, and that this engine has been determined airworthy and approved for return to service. Details of work performed are on file with Take Flight Aviation LLC under work order: WO_1194.

James T. Markey IA [REDACTED]

THIS PAGE
TOTALS

PREVIOUS
TOTALS

TOTALS
SINCE NEW

CARRY FORWARD to Top of Next Page

Photograph 2 - Engine logbook