

N844LA
DIAMOND AIRCRAFT IND INC DA 40 NG
SN: 40.NC194

Maintenance Log

December 08, 2025



Take Flight Aviation LLC · 49 Hangar Road · Montgomery, NY 12549 · 8454574188

N844LA**Diamond, DA40NG, S/N: 40.NC194****December 05, 2025**

Hobbs: 443.9

Tach: 333.9

1. Performed Annual inspection checklist I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG Aircraft Maintenance Manual. Installed P/N E4A-52-000 - kit-100 hour.
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/A/W FAR 91.207 (d). P/N: A3-06-2749-1 S/N: 323-03399 Battery P/N: 452-6504-1 S/N: 394934-017 Exp: 04/2028.
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 applicable ADs checked bi-weekly thru this date.
11. Removed and replaced ECU back up batteries with new as required. Installed (2) P/N NP7-12 F2 Terminal - NP7-12 F2 Terminal.
12. Removed propeller and sent to M&T propellers for repair. Received propeller and re-installed as required. Details of the repair can be found on M&T work order 25-558MT.

I certify that this airframe was inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC., and that this airframe has been determined airworthy and approved for return to service.

James T. Markey A&P 3166872

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N844LA**M&T, MTV-6-R/190-69, S/N: 220119****December 05, 2025**

Hobbs: 443.9

Tach: 333.9

1. Performed annual propeller inspected I/A/W 14 CFR, part 43, Appendix D, using Diamond DA40-NG AMM and MT Propeller Maintenance Manual as reference.
2. All routine service items performed.
3. All applicable ADs checked bi-weekly thru this date.
4. Removed propeller and sent to M&T propellers for repair. Received propeller and re-installed as required. Details of the repair can be found on M&T work order 25-558MT.

I certify that this propeller has been inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC., and that this propeller has been determined airworthy and is approved for service.

James T. Markey A&P 3166872

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N844LA**Austro, E4A, S/N: E4-A-06293****December 05, 2025**

Hobbs: 443.9

Tach: 333.9

1. Performed Annual engine inspection I/A/W 14 CFR, part 43, Appendix D, using Austro Engines E4 Manual and Diamond AMM checklist for reference. Installed P/N HU615/3x - Oil filter, Installed (7) P/N 5W30LT - Aeroshell.
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. Installed P/N Blackstone Kit - Oil Analysis.
3. All routine service items performed. Installed (1 gal) P/N SPIRAX-S6-GXME75W - Gearbox Oil, Installed P/N WK724-3 - Fuel filter.
4. Inspected engine coolant tank and pressure checked as required.
5. Visually inspected turbo charger and lubricated as required.
6. Inspected exhaust system as required.
7. Examined all belts and wiring with no defect noted.
8. All applicable ADs checked bi-weekly thru this date.
9. Removed engine to facilitate piston replacement. Dis-assembled engine and removed time limited pistons and installed kit E4A-72-300-KIT and core replacement kit P/N: E4A-00-M01-KIT. Engine re-assembled, re-installed and serviced to proper level with oil, coolant and gearbox fluid. All work done IAW Austro maintenance manual and Diamond DA40 Maintenance manual. Piston kit installed S/N: 00831 Installation of this kit terminates the repetitive inspection called out in AD2024-19-10 and AD2025-02-12. Installed (2) P/N Zerex-G48 - Zerex G48.

I certify that this engine has been inspected in accordance with an Annual Inspection at Take Flight Aviation, LLC., and that this engine has been determined airworthy and approved for return to service.

James T. Markey A&P 3166872

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