







OF WORK PERFORMENT) Engine Tach: TT Adjust: Total Time: ed by Diamond Technician. Ire fuel bypass valve with installed new clamps . Ground run good and 11/12/2021 Engine 694.5 694.5 shell Diesel Ultra arbox service: and leak check nnual inspection 9/2021

Blue Line Technical Services, LLC Engine BOHN CAL SERVICES Model DA40NG Serial No: Diamond 40.NC111 794.2 Tach: Make: N471BL Eng Model: E4-A Eng Serial: Reg. No: E4-A-05084 TT Adjust: WORK PERFORMED: SNEW 794.2 Hobbs: 896.2 794.2 **Total Time:** 100/200hr and Annual inspection. Drained engine oil, pulled sample. Serviced engine with 7 liters of Aeroshell Diesel Ultra and using 100 hr kit (P/N: E4A-52-000-KIT). Replaced Fuel filter (P/N: WK724-3). Performed 100hr gearbox service: drained and strained gearbox oil and cleaned oil filter. Topped off coolant with G48. Ground run and leak check good. All ADs checked for compliance. I certify that this engine has been inspected IAW a 100/200hr and Annual

AD 20-14-07 fuel injectors due at 900TT; no windmill starts reported.

Robert T Robinson III A&P/IA
Name/ Certificate No.

Signature

1/28/2022

Date

Registration #: N471BL

Manufacturer: Austro Engines

Serial No: E4-A-05084

Part/Model No: E4A Work Order No: 120



inspection and per FAR 43 App. D and Austro MM and was determined to be in airworthy condition.

TACH: 893.10 HOBBS: 1,033.50

A/C Total Time: 893.10 Aircraft Serial No: 40.NC111

Date: 03/24/2022

- 100/300/900hr and Annual inspection. Drained engine oil, pulled sample. Serviced engine with 7 Lts of Aeroshell Ultra Diesel and using 100hr kit (P/N: E4A-52-000-KIT). Replaced fuel filter (P/N: WK724-3). Performed 300hr gearbox service: drained oil and using 100hr kit (P/N: E4A-52-000-KIT). Replaced fuel filter (P/N: E4A-70-000-806). Topped off coolant with G48. Ground run serviced with Spirax GSX 75W-80 and replaced filter with new (P/N: E4A-70-000-806). Topped off coolant with G48. Ground run and leak check good. Checked all ADs for compliance. I certify this engine has been inspected IAW a 100/300/900hr and Annual inspection per FAR 43 App. D and Austro MM and was determined to be in an airworthy condition.
- Inspection per FAR 43 App. D and Additional and Was determined to be in an analytically condition.

 AD 20-14-07 C/W by replacing fuel injectors with new (P/N: E4A-35-100-000) using new gaskets (P/N: E4A-03-000-801) and new screws (P/N: E4A-03-000-201). Next due at 1793.1 TT.
- Replaced ring terminal at secondary alternator voltage regulator 100A fuse connection.
- Screw stripped threads during fuel injector replacement. Consulted with manufacturer, and no repair is approved. Removed old Daimler cylinder head and associated parts. Installed Austro cylinder head (P/N: E4A-00-M02-BHY, S/N: 01182) with new exhaust camshaft (P/N: E4A-23-30A-00, S/N: 00083) and new intake camshaft (P/N: E4A-23-40A-000) with all associated parts to perform camshaft (P/N: E4A-23-30A-00, S/N: 00083) and new intake camshaft (P/N: E4A-95-R15-000). Ground run good.

THE AIRCRAFT, AIRFRAME, ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH AND CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED WITH RESPECT TO WORK PERFORMED AT THIS TIME IN RETURN TO SERVICE.

Pertinent details of maintenance are held in this Maintenance Facility under Work Order No 120 dated .

Date: 03/24/7022 Signa

AP Number: ATP / IA

Work Order: 120

03/26/2022

13:34