

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

1. Approving Competent Authority / Country Austro Control GmbH Austria	2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1	3. Form Tracking Number AE046318
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4. Organisation Name and Address Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wr. Neustadt, AUSTRIA	5. Work Order / Contract / Invoice ES231959
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6. Item	7. Description	8. Part No.	9. Quantity	10. Serial No.	11. Status / Work
1	E4PC Engine	E4PC-00-000-BHY Iss. 008	1	E4P-C-06317	New

12. Remarks

General The engine conforms to the type design approved by Canadian Department of Transport Type Certificate IE-68.

General The engine complies with the applicable airworthiness directives.

Item 1 The engine conforms to EASA TCDS E.200 Issue 12; Damper assy P/N: D44-7306-30-00_1 (EASA Form1: AJ82505)

Item 1 Fuel hose assy P/N: A24119-01 (EASA Form1: 240603). Cleaned and installed acc. AE APA_Pulsationsdämpfer-Aufbau_190618.

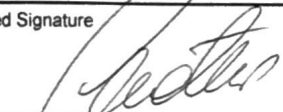

13a. Certifies that the items identified above were manufactured in conformity to:

approved design data and are in condition for safe operation

non-approved design data specified in block 12

14a. Part-145.A.50 Release to Service Other regulation specified in block 12

Certifies that unless otherwise specified in block 12 the work identified in block 11 and described in block 12 was accomplished in accordance with Part-145 and in respect to that work, the items are considered ready for release to service.

13b. Authorised Signature 	13c. Approval /Authorisation Number AT.21G.0010	14b. Authorised Signature	14c. Certificate / Approva Reference Number
13d. Name 	13e. Date (dd mmm yyyy) 28 JUL 2023	14d. Name	14e. Date (dd mmm yyyy)

USER / INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

ENGINE LOG

- | | |
|----------------------------------|---------------------|
| 1. Make: | Austro Engines GmbH |
| 2. Model: | E4P-C |
| 3. Specification: | E00081EN |
| 4. Manufacturer's Serial Number: | E4P-C-06317 |
| 5. Date of Manufacture: | JULY 28 2023 |
| 6. Aircraft Inspection Cycle: | |



Engine Service and Maintenance Log



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

Registration: N456SA
AC Serial Number: 62.C066
LH Engine Serial Number: E4P-C-06317
RH Engine Serial Number: E4P-C-06299
LH Prop Serial Number: 231292
RH Prop Serial Number: 231291
Airframe Total Time: 5.8 HRS

- **LH Engine** Total Time brought forward from Production Test Flight Journey Log (DAI - Form Q-224): 5.8 HRS
- LH Engine installed new on Aircraft DA 62, S/N: 62.C066
- Bi-weekly AWD check carried out to current revision 2023-26 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

[Signature]
Inspector

DEC 18 2023

date

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wo: WO_420

Engine L - page 1 of 1



Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

N456SA

S/N: ENGINE-L SN TBD *E4P-C-06317*

February 13, 2024

1. C/W WI-RDC-E4-077 Pre maintenance Engine ground run I/A/W Austro MM 71-00-01.
2. C/W MSB-E4-042 I/A/W WI-RDC-E4-077. Installed P/N E4A-05-000-003 - Gasket for oil sump, Installed (6) P/N E4A-10-100-202 - Main bearing screw, Installed P/N DIN3771-16X3-ACM70 - O-ring 16x3 ACM, Installed (2) P/N DIN 7603 14X8 Cu - Oil return line sealing ring (oil sump), Installed P/N E4A-05-000-104 - GASKET, Installed (2) P/N O-RING 7,8X3,2 ACM 70 - O-ring for oil return line, Installed (2) P/N DIN 7603 12X16 AL - Oil backflow line sealing rings, Installed P/N DIN 7603 14X20 Cu - oil drain plug sealing ring, Installed P/N E4A-52-000-KIT - DIAMOND 100HR MAINT. KIT, Installed (6) P/N AEROSHELL DIESEL ULTRA - DIESEL PISTON OIL, 1L.
3. R&R Exhaust Pipe I/A/W Diamond AMM 78-00.
4. R&R Air intake hose I/A/W Diamond AMM 81-00.
5. Drain/Fill coolant system I/A/W Diamond AMM 75-00.
6. C/W WI-RDC-E4-077 Post maintenance Engine ground run I/A/W Austro MM 71-00-01.
7. C/W E4FCT_00_VC33_07_26 SW UPDATE.

With respect to the work performed, this engine L/H is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_420.

Danny Potter A/P I/A 3176242 *[Signature]*

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PREVIOUS TOTALS
TOTALS SINCE NEW

CARRY FORWARD to Top of Next Page

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

wo: WO_560

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N456SA
TACH: 106.7

AUSTRO, S/N: ENGINE-L S/N E4P-C-06317

August 23, 2024

1. C/W Pre maintenance Engine ground run I/A/W Austro MM71-00-01.
2. C/W AUSTRO INSPECTION 100 hour CHECK LIST I/A/W AUSTRO MM 5-00-00.
3. C/W gearbox service I/A/W Austro MM 85-10-00 para 4.K(a), para 4.E. para 4.G, para 4.K(b). Installed P/N DIN-3771-26X2-FPM75 - O-RING, GEARBOX FILTER CAP.
4. C/W engine oil service I/A/W Austro MM 79-20-00 Paragraph 5.A, 79-20-00 Paragraph 3, 79-20-00 para 5.B. 7 INSPECTED OIL FILTER NDN. Installed P/N E4A-52-000-KIT - DIAMOND 100HR MAINT. KIT, Installed (6) P/N AEROSHELL DIESEL ULTRA - DIESEL PISTON OIL, 1L.
5. C/W wastegate controller inspection / check I/A/W AUSTRO AMM SECTION 81-20-00 para 5.C. Installed P/N E4A-41-120-816 - CLAMP, WASTEGATE HOSE, DIAMOND DAXX.
6. C/W FUEL SYSTEM SERVICE I/A/W Diamond MM CH. 28-20-00 Part 4 A&B. Installed P/N WK724-3 - DIAMOND FUEL FILTER.
7. C/W Post maintenance Engine ground run I/A/W Austro MM71-00-01.

With respect to the work performed, this engine L/H is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_560.

Jeff Pleiman A/P I/A 3304319

wo: WO_632

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N456SA
TACH: 135.9

AUSTRO, S/N: ENGINE-L S/N E4P-C-06317

November 26, 2024

1. C/W Pre maintenance Engine ground run I/A/W Austro MM71-00-01.
2. 100 Hour inspection complied with 30 hours ago @ 106.7. Next due 206.7.
3. C/W ECU download I/A/W Austro MM 76-10-00.
4. C/W Post maintenance Engine ground run I/A/W Austro MM71-00-01.
5. C/W AD 24-19-10 & MSB-E4-043/0 Borescope piston IAW MSB accomplishment/instructions and Austro AMM Installed P/N MSB-E4-043-KIT - piston borescope kit.

I certify that this ENGINE LH 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 under work order: WO_632.

Jeff Pleiman A/P I/A 3304319

wo: WO_834

Engine L - page 1 of 1



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N456SA

AUSTRO, S/N: ENGINE-L S/N E4P-C-06317

August 19, 2025

TACH: 251.6

1. C/W Austro MM 5-60-00 PARA 5 Power Evaluation.
2. C/W terminating action of AD 24-19-10 I/A/W MSB-E4-039/4 ON S/N E4P-C-06317 Installed P/N E4A-72-300-KIT - AUSTRO PISTON KIT S/N: 00436, Installed P/N E4A-00-M01-KIT - CORE REPLACEMENT KIT, Installed (7) P/N AER1039 - AEROSHELL OIL DIESEL ULTRA 5W30, Installed (2 L) P/N Glysantin G48 - Engine Coolant, Diamond, Installed P/N DIN3017-A-10-16x7,5-W2 - Hose Clamp, Vent line, Installed (2) P/N TORRO_60-80_12_W1 - HOSE CLAMP, DIAMOND, Installed (2) P/N TORRO_12-22_9_W1 - HOSE CLAMP, DIAMOND, Installed P/N E4A-04-000-003 - Gasket, Exhaust, DA 62, Installed (2) P/N TORRO_20-32_12_W1 - HOSE CLAMP, DIAMOND, Installed P/N TORRO_30-45_9_W1 - HOSE CLAMP, DIAMOND, Installed P/N E4A-16-000-802 - Camshaft locator.
3. Removed Cylinder head S/N 02502, Sent to PCS Engines for cleaning and inspection under work order 02502. Reinstalled Cylinder Head S/N 02502.
4. C/W CA-CR test NDN.
5. C/W Austro MM 5-60-00 PARA 6 Break in procedure NDN.
6. C/W Austro MM 5-60-00 PARA 5 Power Evaluation POST maintenance NDN.

With respect to the work performed, this engine L/H is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_834.

Alex Wooten A&P 5089369

wo: WO_1002

LH ENGINE ANNUAL - page 1 of 1



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N456SA

AUSTRO, S/N: ENGINE-L S/N E4P-C-06317

January 16, 2026

TACH: 304.5

1. C/W Pre maintenance Engine ground run I/A/W Austro MM71-00-01.
2. C/W Austro Engine 300 hour inspection checklist I/A/W AUSTRO MM 5-00-00.
3. C/W ECU download I/A/W Austro MM 76-10-00.
4. C/W gearbox service I/A/W Austro MM 85-10-00 para 4.K(a), para 4.E. para 4.G, para 4.K(b).
5. C/W engine oil service I/A/W Austro MM 79-20-00 Paragraph 5.A, 79-20-00 Paragraph 3, 79-20-00 para 5.B. 7 INSPECTED OIL FILTER NDN. Installed (7) P/N AER1039 - AEROSHELL OIL DIESEL ULTRA 5W30, Installed P/N E4A-52-000-KIT - DIAMOND 100HR MAINT. KIT.
6. C/W wastegate controller inspection / check I/A/W AUSTRO AMM SECTION 81-20-00 para 5.C.
7. C/W Fuel System Service I/A/W Diamond MM CH. 28-20-00 Part 4 A&B. Installed P/N DIN7603A-8X11.5AL - Sealing Washer, Alum 8x11.5, Installed P/N WK724-3 - DIAMOND FUEL FILTER.
8. C/W Post maintenance Engine ground run I/A/W Austro MM71-00-01.

I certify that this ENGINE L/H 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 under work order: WO_1002.

Jeff Pleiman A/P I/A 3304319

