

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

Section 3A: Engine Service and Maintenance Log



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

Registration: N457SA
AC Serial Number: 40.NC267
Engine Serial Number: E4-A-06627
Prop Serial Number: 211596
Airframe Total Time: 3.2 HRS

- Total Time Engine Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.2 HRS
- Engine installed new on Aircraft DA 40 NG, S/N: 40 NC267
- Bi-weekly AWD check carried out to current revision 2023-22 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

DA
Q 8
Inspector

OCT 30 2023
Date

(Intentionally left blank below this point)

wo: WO_650



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

N457SA

TACH: 80.0

AUSTRO, E4-A, S/N: E4A-06627

January 21, 2025

1. C/W Annual Inspection I/A/W Austro MM 05-20-00.
2. C/W engine oil service I/A/W Austro MM 12-10-00,a , cut open oil filter, NDN Installed P/N E4A-52-000-KIT - DIAMOND 100HR MAINT. KIT, Installed (7) P/N AEROSHELL DIESEL ULTRA - DIESEL PISTON OIL, 1L.
3. C/W coolant system service, I/A/W Austro MM 12-10-00,c.
4. C/W engine gearbox service I/A/W Austro MM 12-10-00,b. NDN. Installed (2) P/N TORRO_60-80_9_W1 - TORRO HOSE CLAMP, DIAMOND, Installed P/N SPIRAX GXME 75W-80 1L - GEARBOX OIL, DIAMOND, 1L BOTTLE.
5. 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.
6. AD 24-19-10 due at 100 hours time in service then each 50 hours after.
7. AD 24-05-01 P/C/W per MSB-E4-042 see airframe logbook entry dated 2/15/2024.

I certify that this ENGINE 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_650.

Jeff Pleiman A/P I/A 3304319

[Signature]

wo: WO_444

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

N457SA
TACH: 20.1

AUSTRO, E4-A, S/N: ENGINE S/N E4A-06627

February 15, 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 (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 14X18 - Oil return line sealing ring (oil sump), Installed P/N E4A-05-000-104 - GASKET, Installed (2) P/N DIN 7603 12X16 AL - Oil backflow line sealing rings, Installed P/N E4A-52-000-KIT - DIAMOND 100HR MAINT. KIT, Installed (6) P/N AEROSHELL DIESEL ULTRA - DIESEL PISTON OIL, 1L, Installed P/N DIN 7603 14X20 Cu - oil drain plug sealing ring.
3. C/W WI-RDC-E4-077 Post maintenance Engine ground run I/A/W Austro MM 71-00-01.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order WO_444.

Danny Potter A/P I/A 3176242

wo: WO_743

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

N457SA
HOBBS: 127.1Austro, E4-A, S/N: E4A-06627
TACH: 98.3

June 12, 2025

1. R&R PROP Removed P/N MTV -6-R/190-69 - DA 40 MT PROP (TO BE REPAIRED), Installed P/N MTV -6-R/190-69 - DA 40 MT PROP (OVERHAULED) S/N: 220562.
2. C/W ENGINE DATA Download and sent to Austro.
3. Per SI-E4-20 R&R GEARBOX I.A.W. Austro MM 85-10-00 Removed P/N E4A-70-000-000 - AUSTRO GEAR BOX (QUARANTINE) S/N: 5581, Installed P/N E4A-70-000-000-AP - Gearbox w/ Adaptor Plate S/N: 07202.
4. Per SI-E4-20 R&R TVD I.A.W. Austro MM 85-10-00 Removed P/N E4A-73-300-000_AB.1 - OLD TVD (QUARANTINE) S/N: 07404, Installed P/N E4A-73-400-000 - Fly Wheel S/N: 00214.
5. Per SI-E4-20 R&R Engine mounts with new, I.A.W Diamond DA40NG AMM CH. 71-20-00. Installed P/N D64-7126-14-70_02 - LH Fwd Engine Shock mount, Installed P/N D64-7126-14-71_02 - RH Fwd Engine shock mount, Installed P/N D64-7106-13-00_01 - Engine Shock Mount Rear, Installed P/N D44-7106-14-00_01 - Engine Shock Mount Rear.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_743.

Danny Potter A/P I/A 3176242

wo: WO_770

Engine - page 1 of 1



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

N457SA
HOBBS: 127.1Austro, E4-A, S/N: 06627
TACH: 98.3

June 16, 2025

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 E4A-06627: Installed P/N E4A-72-300-KIT - AUSTRO PISTON KIT S/N: 00071, Installed P/N E4A-00-M01-KIT - CORE REPLACEMENT KIT, Installed P/N E4A-04-000-003 - Gasket, Exhaust, DA 62, Installed (7) P/N AER1039 - AEROSHELL OIL DIESEL ULTRA 5W30, Installed (2 L) P/N Glystantin G48 - Engine Coolant, Diamond, 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 DIN3017-A-10-16x7,5-W2 - Hose Clamp, Vent line, DA40.
3. C/W CA-CR test NDN.
4. C/W Austro MM 5-60-00 PARA 6 Break in procedure NDN.
5. C/W Austro MM 5-60-00 PARA 5 Power Evaluation POST maintenance NDN.

With respect to the work performed, this Engine is approved for return to service. Details of work performed are on file with Steel Aviation under work order: WO_770.

Alex Wooten A&P 5089369

wo: WO_444

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N457SA

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June 12, 2025

N457SA

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TACH: 98.3

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