

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE LOG

- | | |
|----------------------------------|---------------------|
| 1. Make: | Austro Engines GmbH |
| 2. Model: | E4P-C |
| 3. Specification: | E00081EN |
| 4. Manufacturer's Serial Number: | E4P-C-06484 |
| 5. Date of Manufacture: | JUNE 07 2024 |
| 6. Aircraft Inspection Cycle: | |



Section 3A: Engine Service and Maintenance Log

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

Registration: N157J
AC Serial Number: 62 C090
LH Engine Serial Number: E4P-C-06484
RH Engine Serial Number: E4P-C-06483
LH Prop Serial Number: 241109
RH Prop Serial Number: 241110
Airframe Total Time: 40 HRS

- **LH Engine** Total Time brought forward from Production Test Flight Journey Log (DAI - Form Q-224) 47 HRS
- LH Engine installed new on Aircraft DA 62, S/N: 62.C090
- **Bi-weekly AWD check carried out to current revision 2024-23 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

NOV 28 2024
date

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Aircraft Reg: N157J
Work Order: S0075480

Date: August 19, 2025

AMO 161-93

	Make	Model	SN	TSN:	
Airframe	Diamond	DA 62	62.C090	TSN:	28.4 Hrs.
LH Engine	Austro	E4P-C	E4P-C-06484	TSN:	28.4 Hrs.
RH Engine	Austro	E4P-C	E4P-C-06483	TSN:	28.4 Hrs.
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241109	TSN:	28.4 Hrs.
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241110	TSN:	28.4 Hrs.

The following work has been performed:

- LH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO 161-93 Form One Tracking # RO-5016:
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00600 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: ORZK, #2 SN: ORYZ, #3 SN: 0A20, #4 SN: ORWL
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's & FAA AD's:
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6.2
- LH Engine, propeller, and propeller governor removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine oil replaced with new. Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant.
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod replacement and engine reinstallation:
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak check. Found serviceable.
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance reading: 0.111 IPS @ 2000 RPM.
 - Replaced turbocharger exhaust stud (lower inboard) PN: E4A-41-111-802.
 - Replaced turbo charger oil return line lower banjo bolt PN: E4A-55-000-801.

An Independent Inspection has been carried out on the engine/flight controls effected by the work performed.

Signature: [Signature]

ACA:

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature: [Signature]

ACA:



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