



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 AE045374	
4. Organisation Name and Address Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wr. Neustadt, AUSTRIA			5. Work Order / Contract / Invoice ES231017			
6. Item	7. Description	8. Part No.	9. Quantity	10. Serial No.	11. Status / Work	
1	Engine Configuration A	E4A-00-000-BHY Iss. 014	1	E4-A-06518	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: AJ79612) Item 1 Fuel hose assy P/N: A24119-01 (EASA Form1: 239308). Cleaned and installed acc. AE APA_Pulsationsdämpfer-Aufbau_190618.						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> approved design data and are in condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12			14a. <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> 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 / Approval Reference Number		
13d. Name 		13e. Date (dd mmm yyyy) 20 APR 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.						

EASA Form 1 - 21 Issue 2

Freigabe: 01.Sept. 2019 / C. Prinstinger

FOQ05_Form1_rev1

ENGINE LOG

Austro Engines GmbH

E4-A

E00081EN

E4-A-06518

APRIL 20 2023

I:

r's Serial Number:

uufacture:

action Cycle:

13-12327



W4

343060315 PO: 1032719 : 40-20177
ATP AIRCRAFT TECHNICAL LOG SECTION

ENGINE LOG

- | | |
|----------------------------------|---------------------|
| 1. Make: | Austro Engines GmbH |
| 2. Model: | E4-A |
| 3. Specification: | E00081EN |
| 4. Manufacturer's Serial Number: | E4-A-06518 |
| 5. Date of Manufacture: | APRIL 20 2023 |
| 6. Aircraft Inspection Cycle: | |

13-12327



W4

343060315 PO: 1032719 : 40-20177
ATP AIRCRAFT TECHNICAL LOG SECTION



Section 3B: Record of Engine Airworthiness Directives (A/D) and Service Bulletins


DATE / /	A/D, S/B, S/I, MODS	DETAILS OF REPAIRS, ADJUSTMENTS, MODIFICATIONS	NAME/ SIGNATURE	LICENCE: AME or AMO/ACA
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DIAMOND AIRCRAFT INDUSTRIES INC.
D.O.T. APPROVED MANUFACTURER #161-93

Registration: N168
AC Serial Number: 40.NC245
Engine Serial Number: E4-A-06518
Prop Serial Number: 220554
Airframe Total Time: 3.3 HRS

- Total Time Engine Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.3 HRS
- Engine installed new on Aircraft DA 40 NG, S/N: 40.NC245
- The following STC's are incorporated:
 - No STC's incorporated.
- Bi-weekly AWD check carried out to current revision 2023-12 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

 DA QA 3
Inspector

JUN 05 2023

Date

(Intentionally left blank below this point)

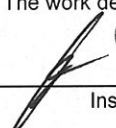
Section 3A: Engine Service and Maintenance Log



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

Registration: N168
AC Serial Number: 40.NC245
Engine Serial Number: E4-A-06518
Prop Serial Number: 220554
Airframe Total Time: 3.3 HRS

- Total Time **Engine** Brought forward from Flight Test Journey Log (DAI - Form Q-157): 3.3 HRS
- Engine installed new on Aircraft DA 40 NG, S/N: 40.NC245
- Bi-weekly AWD check carried out to current revision 2023-12 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.


Inspector



JUN 05 2023

Date

(Intentionally left blank below this point)

MAKE: DIAMOND
MODEL: DA40NG
S/N: 40.NC245
REG. NO: N168
MAKE: AUSTRO
MODEL: E4-A
SN: E4-A-06518



Aero City Maintenance
2901 East Spring St. Suite A
LONG BEACH, California 90806

W/O #: 4599
DATE: 04-18-2024
A/C Tach: 99.9
ENG TT: 99.9
TSMOH:

ENGINE Entries

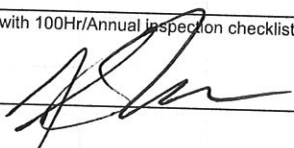
- Complied with 100Hr/Annual inspection using Diamond Aircraft DA40NG AMM chapter 5 and FAR part 43 Appendix D checklist as a guide. Engine oil drained, old oil filter removed and inspected with no defects noted. Engine serviced with Shell Diesel ultra-oil using 100Hr kit PN: E4A-52-000-KJT1.
- Complied with AD2024-05-01 par. (g) on the LH engine by replacement of inner main bearing bolts (x6) PN: E4A-10-100-202 and reassembled engine using Austro MSB-E4-042 R2 work instruction and Austro E4.08.04 R31 manual as a guide. Operation/leak check good.
- Replaced turbocharger PN: E4C-00-410-000 SN: YL 60578296 00036 (Old SN: YC 50055384 00003) with new hardware and seals as required using Diamond DA62 AMM. CH: 81-00 and Austro E4.08.04R31 MM. CH. 78/79 as a guide. Operation leak check good.
- Replaced O-Ring on High pressure pump and fuel line seals due to it leaking oil using Austro E4.08.04R31 MM Ch. 73-10 as a guide. Operation/leak check good.

I certify that this Aircraft has been inspected in accordance with 100Hr/Annual inspection checklist and was determined to be in airworthy condition.

DATE: 04-18-2024

SIGNED:

Jonathan Shea
Cert.: AP 3823821 IA



WORK ORDER: 4599

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MAKE: DIAMOND
MODEL: DA40NG
S/N: 40.NC245
REG. NO: N168
MAKE: AUSTRO
MODEL: E4-A
SN: E4-A-06518



Aero City Maintenance
2901 East Spring St. Suite A
LONG BEACH, California 90806

W/O #: 4695
DATE: 09-27-2024
A/C Tach: 120.2
ENG TT: 120.2
TSMOH:

Entries

- Performed initial piston borescope inspection on engine and reassembled engine as required using MSB-E4-043 and Austro E4.08.04R31 MM as a guide. No defects noted. Operation/leak check good. Next inspection due T: 170.2

DATE: 09-27-2024

SIGNED:

Evan Lee
Cert.: AP 3405437



WORK ORDER: 4695

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TOTALS					
PREVIOUS TOTALS					
TOTALS SINCE NEW					

CARRY FORWARD to Top of Next Page 