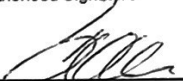



AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

1. Applicant, Competent Authority / Country Austro Control GmbH Austria		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Trace Number AE042166	
4. Organisation Name and Address Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wr. Neustadt, AUSTRIA				5. Work Order / Contract / Invoice ES221365		
6. Item	7. Description	8. Part No.	9. Quantity	10. Serial No.	11. Status / Work	
1	Engine Configuration A	E4A-00-000-BHY Iss. 011	1	E4-A-06278 RC 2203579	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: AJ69160) Item 1 Fuel hose assy P/N: A24119-01 (EASA Form1: 233489). Cleaned and installed acc. AE APA_Pulsationsdämpfer-Aufbau_190618.						
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other regulation specified in block 12			
<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			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) 09 MAY 2022	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: | E4-A |
| 3. Specification: | E00081EN |
| 4. Manufacturer's Serial Number: | E4-A-06278 |
| 5. Date of Manufacture: | MAY 09 2022 |
| 6. Aircraft Inspection Cycle: | |



Section 3A: Engine Service and Maintenance Log


ED:



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

Registration: N952DW
AC Serial Number: 40.NC190
Engine Serial Number: E4-A-06278
Prop Serial Number: 220123
Airframe Total Time: 4.4 HRS


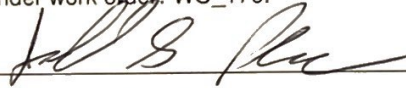
- Total Time Engine Brought forward from Flight Test Journey Log (DAI - Form Q-157): 4.4 HRS
- Engine installed new on Aircraft DA 40 NG, S/N: 40.NC190
- Bi-weekly AWD check carried out to current revision 2022-13 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

 **DA QA 3**
Inspector

JUN 22 2022


Date

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wo: WO_176	Engine · page 1 of 1
 Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587	
N952DW TACH: 84.0	S/N: E4-A-06278
February 10, 2023	
1. R&R OIL FILTER No abnormalities noted. Installed P/N E4A-52-000-KIT - DIAMOND 100HR MAINT. KIT. 2. R&R FUEL FILTER Installed P/N WK724-3 - DIAMOND FUEL FILTER. 3. C/W 100 GEARBOX SERVICE NDN. 4. C/W 100 ENGINE SERVICE. 5. C/W MSB-E4-039/0.	
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_176.	
Jeff Pleiman A/P I/A 3304319 	

wo: WO_178	Engine · page 1 of 1
 Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587	
N952DW TACH: 84.0	S/N: E4-A-06278
February 10, 2023	
Installed Tanis Pre-heater IAW Installation instructions TNP3001, C/W STC SE03232CH Installed P/N TSP4CYL-3001-115 - TANIS PRE HEATER, AUSTRO-AE300 S/N: 58746. Form 337 Added to A/C permanent records.	
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_178.	
Jeff Pleiman A/P I/A 3304319 	

THIS PAGE TOTALS						
PREVIOUS TOTALS						
TOTALS SINCE NEW						

CARRY FORWARD to Top of Next Page 

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

wo: WO_308

Engine Annual - page 1 of 1



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

N952DW**Austro, E4-A, S/N: E4-A-06278****August 21, 2023**

TACH: 158.6

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 L) 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.
5. C/W FUEL STYSTEM SERVICE I/A/W Diamond MM CH. 28-20-00 Part 4 A&B. Installed P/N WK724-3 - DIA-MOND FUEL FILTER.
6. Installed new 16-27-12W clamp onto coolant hose @ gear box to lower exchanger . 5nm torque. Installed P/N SGTs_16-27_12_W1C7 - HOSE CLAMP, DIAMOND.
7. Removed and replaced air filter with new. And installed with new clamps. Installed (2) P/N TORRO_60-80_9_W1 - TORRO HOSE CLAMP, DIAMOND, Installed P/N RU-1620 - AIR FILTER.
8. C/W MSB40NG-002/17 verified correct software is installed.
9. C/W MSB-E4-039 by draining oil and sending sample in.

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_308.

Jeff Pleiman A/P I/A 3304319

wo: WO_546

Engine Annual - page 1 of 1



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

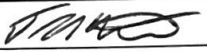

N952DW**Austro, E4-A, S/N: E4-A-06278****August 16, 2024**

TACH: 205.8

1. C/W Annual Inspection I/A/W Austro MM 05-20-00 Installed P/N E4A-41-120-816 - CLAMP, WASTEGATE HOSE, DIAMOND DAXX, Installed (2) P/N E4A-21-300-803 - Clamp.
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 DIN3771-26X2-FPM75 - O-RING.
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, Installed P/N DIN7603A-8X11.5AL - Sealing Washer, Alum 8x11.5.
6. MSB40NG-002/18 MSB-E4-003 REV.30 SOFTWARE FOR E4-A.
7. MSB-E4-039 & AD 23-20-03 Complied with by taking oil sample and sending it in. Recurring oil sample due every 50 hours.
8. MSB-E4-042/1 & AD 24-05-01 N/A by engine serial number not listed in the service bulletin.

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_546.

Jeff Pleiman A/P I/A 3304319

	NAME/ SIGNATURE	LICENCE: AME or AMO/ACA
Stone		
		

AIRFRAME TECHNICAL RECORD

Section 3: Engine Log

This engine log is a part of the permanent technical record for the engine described at the front of this log. Only information that is directly applicable to the engine should be entered into this log. Information relating to the airframe, propellers, or other components having their own permanent technical records, should be entered into separate records. Entries may be made either by writing directly in the log pages, or by completion of separate printed reports, which are then pasted, stapled, or otherwise permanently attached to the applicable sections of the logbook.

Users may adopt different date formats to conform to local convention. Upon commencing a new page, enter an example of the date format to be used in the space provided at the top of each date column. For example:

dd-mm-yyyy	(European format)
mmm dd,yyyy	("Microsoft" format)
yyyy.mm.dd	(military format)

Every effort must be made to remove the inherent ambiguity in dates such as "04/03/06" where the year or month is not immediately apparent. All date entries on that page must then conform to the format indicated. When an entry takes up more than one row, draw a line through the unused cells of the affected rows to prevent the entry of unrelated information.

Maintenance may be recorded directly in this log, together with the applicable maintenance release, or it may be first recorded and certified in the aircraft journey log, and then transcribed into this log no later than thirty days following the events concerned. Where maintenance is originally certified in the journey log, there is no need for a second maintenance release when the details are transcribed into this log, but the name of the person making the transcription must be entered. Persons who transcribe entries are not responsible for the work described, but only for the accuracy of the transcription.

If an entry made in this technical record is *signed* and an *A&P or AME* licence number or an Aircraft Certifying Authority (ACA) reference and AMO number are added adjacent to the signature, the entry constitutes a maintenance release indicating that the maintenance task described has been performed in accordance with the applicable airworthiness requirements.

On bringing this log into use, enter the appropriate volume number, the date, and other applicable information relating to the aircraft in the spaces provided.

Maintenance Task Entry:

Section 3A: Record of maintenance and elementary work

For each maintenance task performed on the engine (including the accomplishment of **Airworthiness Directives** and the removal and installation of items such as propellers, that have their own permanent technical records) enter the date, total air time, total cycles, and a brief description of the task, in the appropriate cells in the first part (Part A) of this log. Where information is transcribed from another record, the name of the person transcribing the information should be printed (not signed) in the signature cell, and a line struck through the "AME or AMO/ACA" cell.

Where the information is being recorded for the first time in this log, and relates to a task that requires a maintenance release, the person issuing the release must sign in the signature cell, and add his *A&P or AME* licence number, or where applicable, the ACA licence and AMO number, in the "AME or AMO/ACA" cell.

Section 3B: Record of Engine Airworthiness Directives

Applicable *Engine Airworthiness Directives*, airworthiness limitations, and equivalent mandatory requirements are recorded in a separate section (3B) in the latter part of this volume

