

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

1. Approving Competent Authority / Country Austro Control GmbH Austria		AUTHORISED RELEASE CERTIFICATE EASA FORM 1 Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wr. Neustadt, AUSTRIA			3. Form Tracking Number AE036207
4. Organisation Name and Address		5. Work Order / Contract / Invoice ES210622			
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-06060	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: AJ58478) Item 1 Fuel hose assy P/N: A24119-01 (EASA Form1: 230034). 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	
13d. Name 		13e. Date (dd mmm yyyy) 10 MAR 2021		14c. Certificate / Approval Reference Number	
		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-06060 |
| 5. Date of Manufacture: | MARCH 10 2021 |
| 6. Aircraft Inspection Cycle: | |



Section 3A: Engine Service and Maintenance Log



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

Registration: N275SB
AC Serial Number: 40.NC137
Engine Serial Number: E4-A-06060
Prop Serial Number: 210282
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.NC137
- Bi-weekly AWD check carried out to current revision 2021-09 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

[Signature]
Inspector

MAY 10 2021
Date

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ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0417



Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 9/8/2021
A/C TSN: 90.3
ENG TT: 90.3
HOBBS: 108.7

Engine Entries

- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox magnetic chip collector

DATE: 9/8/2021

SIGNED: *[Signature]*

David Seastead, License: AP3492477 IA

Work Order: 0417

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ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0430



Premier Aircraft Service, Inc.
3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 9/10/2021
A/C TSN: 90.3
ENG TT: 90.3
FLIGHTTIME: 90.3

Engine Entries

- MSB-E4-034/2 - Ran engine and reinspected new HPP gear
- MSB-E4-035 - Inspected HPP gear

DATE: 9/10/2021

SIGNED: *[Signature]*

Chad Cox, License: AP3782800 IA

Work Order: 0430

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TOTALS

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TOTALS

TOTALS
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NAME/
SIGNATURELICENCE:
AME or
AMO/ACAENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0430**Premier Aircraft Service, Inc.**3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345DATE: 9/8/2021
A/C TSN: 90.3
ENG TT: 90.3
FLIGHTTIME: 90.3**Engine Entries**

- MSB-E4-034 Replaced HPP spur gear with new E4A-30-000-201 S/N 2461

DATE: 9/8/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0430

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ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0517**Premier Aircraft Service, Inc.**3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345DATE: 3/7/2022
A/C TSN: 203.3
ENG TT: 203.3
HOBBS: 240.4**Engine Entries**

- Performed 100 Hour Inspection using DA40NG AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox magnetic chip collector

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 3/7/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0517

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ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0676**Premier Aircraft Service, Inc.**3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345DATE: 10/28/2022
A/C TSN: 311.3
ENG TT: 311.3
HOBBS: 363.8**Engine Entries**

- Performed 300hr Gear oil and filter change
- Performed 300hr Injector Cover Zonal Inspection
- Performed 300hr Alternator Inspection
- MSB-E4-003/27 (MSB40NG-002/17) updated FADEC software to VC33_1_87_25

Revised

DATE: 10/28/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0676

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Section 3A: Engine Service and Maintenance Log

ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0676



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 10/28/2022
A/C TSN: 311.3
ENG TT: 311.3
HOBBS: 363.8

Engine Entries

- Replaced oil and filter. Serviced with Aeroshell Diesel Ultra
- Inspected gearbox chip collector
- Performed 300hr gearoil and filter change
- Performed 300hr Injector Cover Zonal Inspection
- Performed 300hr Alternator Inspection
- MSB-E4-003/27 (MSB40NG-002/17) updated FADEC software to VC33_1_07_25

DATE: 10/28/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0676

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ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 0759



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/5/2023
A/C TSN: 353.9
ENG TT: 353.9
HOBBS: 414.4

Engine Entries

- Performed 100 Hour Inspection using DA40NG AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox magnetic chip collector

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 4/5/2023

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0759

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Reg.# N275SB Make: Diamond DA 40 NG Serial:
40NC137

Date: Nov 3, 2023 Tach Time: 488.9

Removed and replaced firewall fuel filter.

P/N: WK724_3 Pressurized fuel system with no leaks
Noted.

Timothy Blount A&P 3406065

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TOTALS

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Engine. Model: E4-A Serial No. E4P-A-06060
Date: Nov 3, 2023 Tach Time: 488.9

Performed engine oil and filter change. Serviced engine with 7 quarts of AeroShell Diesel Ultra.

Filter P/N: E4A-52-300-KIT. Ground ran engine with No leaks noted.



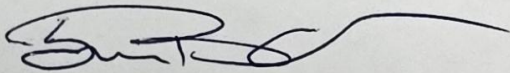
Timothy Blount A&P 3406065

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

Engine Model: E4-A Serial No: E4P-A-06060
Date: Nov 30, 2023 Tech Time: 488.9

Complied with Austro Engine SERVICE BULLETIN RSB-E4-028/3 By replacing the FPS with new sensor P/N: APE-00284-90. IAW Maintenance Manual- Doc. No: E4.08.04 and MM Temporary Revision MM-TR-MDC-E4-618. No change in weight & balance. Ops check good. No leaks noted.



Timothy Blount A&P 3406065

ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 1057

Premier
Aircraft Service

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

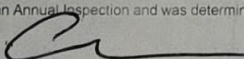
DATE: 6/3/2024
A/C TSN: 476.5
ENG TT: 476.5
HOBBS: 564.8

Engine Entries

- Performed 100 Hour Inspection using DA40NG AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox magnetic chip collector
- AD 2023-20-03 Removed engine and reinstalled after MSB-E4-039/2 terminating action performed by Aerotec Engines

certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 6/3/2024

SIGNED: 

Chad Cox, License: AP37628001A

Work Order: 1057

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Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES		DESCRIPTION OF WORK PERFORMED: (INSPECTION, REPAIRS, REPLACEMENT)
	HOURS	min	HOURS	min	Sub Total	TOTAL	
BROUGHT FORWARD							

ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060
REG. NO: N275SB
WORK ORDER: 1215



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 9/23/2024
A/C TSN: 540.8
ENG TT: 540.8
HOBBS: 639.9

Engine Entries

- AD 2024-19-10 Inspected pistons IAW MSB-E4-043

DATE: 9/23/2024

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 1215

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JAN 26, 2025	ENG TT	571.1	CHANGED OIL AND FILTER. SERVICED
	HOBBS	676.4	ENGINE W/ 7 QT W/ AEROSHELL DIESEL ULTRA
			BY OWNER: HS BERWICK

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
ENGINE MAKE: AUSTRO ENGINE
ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060



3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106

W/O #: 1357
DATE: 03-05-2025
ENG TT: 576.2
Tach: 576.2
Hobbs: 682.5

Engine Entries

- AD 2024-19-10 Inspected pistons IAW MSB-E4-043

DATE: 03-05-2025

SIGNED:

Chad Cox
License: AP3782800 IA

WORK ORDER: 1357

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Engine. Model: E4-A Serial No. E4P-A-06060
Date: Dec 3, 2024 Tach Time: 561.8

Removed Turbo Charger Waste Gate Actuator and Vacuum manifold and replaced them with new parts supplied by Diamond Service Center in Dallas TX, Ground Ops checks good. No leaks noted. List of replaced parts:

- P/N: 1(ea) AEP-00361 Restrictor
- P/N: 1(ea) E4A-41-100-801 Circlip, Spring loaded
- P/N: 1 (ea) E4A-41-120-000 Wastegate Actuator
- P/N: 1(ea) E4A-41-300-801 Boost Pressure Actuator
- P/N: 5 (ea) E4A-41-300-803 Oetiker Clamp

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Timothy Blount A&P 3406065

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060



3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106

W/O #: 1496
DATE: 07-10-2025
ENG TT: 604.8
Tach: 604.8
Hobbs: 717.0

Engine Entries

AD 2024-19-10 Inspected pistons IAW MSB-E4-043

DATE: 07-10-2025

SIGNED: 

Chad Cox
License: AP3782800 IA

WORK ORDER: 1496

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MAKE: Diamond
MODEL: DA40NG
S/N: 40.NC137
REG. NO: N275SB
ENGINE MODEL: AE300
ENGINE S/N: E4-A-06060



3804 Falcon Way W
Hangar 18S
Fort Worth TX 76106

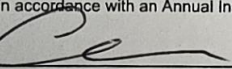
W/O #: 1488
DATE: 07-08-2025
ENG TT: 604.8
Tach: 604.8
Hobbs: 717.0

Engine Entries

Performed 100 Hour Inspection using DA40NG AMM as a guide
Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
Changed gearbox oil. Serviced with Shell Spirax S6 GXME
Inspected gearbox chip collector
Performed 600hr TVD inspection
Performed 600hr HPP replacement with new E4A-30-000-BHY S/N 24-02-16-01199
Performed 600hr WGA clip replacement
Performed 600hr coolant change
Performed 300hr alternator inspection
Performed 300hr gearbox oil filter replacement
Performed 300hr injector cover zonal inspection

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 07-08-2025

SIGNED: 

Chad Cox
License: AP3782800 IA

WORK ORDER: 1488

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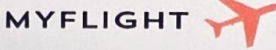
Section 3A: Engine Service and Maintenance Log

DATE / /	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD	→					

DESCRIPTION OF WORK PERFORMED
(INSPECTION, REPAIRS, REPLACEMENT)

01801 (10-07-2025)

MAKE: DIAMOND AIRCRAFT INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC137
REG. NO: N275SB
ENGINE MAKE: AUSTRO
ENGINE MODEL: E4-A
ENGINE SN: E4-A-06060



400 Herdon Ave
Orlando, FL 32803

Page 1 / 2
W/O #: 01801
DATE: 10-07-2025
A/C TT: 642.8
A/C Tach: 642.8
ENG TT: 642.8

Entries

- 2 -PERFORMED POWER EVALUATION BEFORE REPLACEMENT IAW AE300 E4 MM CH. 05-60-50.
-REMOVED ENGINE FOR PISTON-CONROD REPLACEMENT IAW AE300 E4 MM CH. 85-30-50(A).
- 3 -REMOVED AND REPLACED PISTON-CONRODS WITH NEW, P/N: E4A-72-300-000 (KIT SN: 00597), IAW AE300 E4 MM CH. 85-30-50(B). *039-14*
MSB-E4-043 IS NO LONGER APPLICABLE AND THE TERMINATING ACTION HAS BEEN COMPLIED WITH. NO FURTHER ACTION IS NEEDED AT THIS TIME.
- 4 -REINSTALLED ENGINE IAW AE300 E4 MM AND INSTALLATION MANUAL.
-PERFORMED ENGINE BREAK-IN PROCEDURE AND POWER EVALUATION AFTER PISTON-CONROD REPLACEMENT IAW AE300 E4 MM CH. 05-60-00.
-SERVICED ENGINE WITH 7L AEROSHELL DESIEL ULTRA 5W-30.
-REPLACED OIL FITLER AND O-RINGS WITH NEW.
-REPLACED GEARBOX OIL WITH NEW SPIRAX 75W-80.
-REPLACED GEARBOX SEALING O-RINGS WITH NEW.
-REPLACED COOLANT WITH FRESH NEW FLUID.
- 5 -REPLACED CRANKCASE CRANKSHAFT ASSEMBLY P/N: E4A-00-M03-000 WITH NEW S/N: 00025 IAW AE300 E4 MM CH. 85-30-50(D).
-REPLACED OIL PUMP CHAIN WITH NEW.
-REPLACED OIL PUMP CHAIN AND TIMING CHAIN GUIDES WITH NEW.
-REPLACED TIMING CHAIN WITH NEW. NEXT INSPECTION DUE @ 1642.8HRS TT UNLESS A WINDMILL RESTART OCCURS PER AD 2020-14-07.

01801 (10-07-2025)

Page 2 / 2

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 10-07-2025
SIGNED: *Landon Moore*
Landon Moore
A&P: 4916802

WORK ORDER: 01801
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01805 (10-07-2025)

Page 1 / 1

MAKE: DIAMOND AIRCRAFT INDUSTRIES
MODEL: DA-40 NG
S/N: 40.NC137
REG. NO: N275SB
ENGINE MAKE: AUSTRO
ENGINE MODEL: E4-A
ENGINE SN: E4-A-06060



400 Herdon Ave
Orlando, FL 32803

W/O #: 01805
DATE: 10-07-2025
A/C TT: 642.8
A/C Tach: 642.8
ENG TT: 642.8

Entries

- 1 -REMOVED AND REPLACED FLYWHEEL P/N: E4A-73-300-000 S/N: 04670 WITH NEW S/N: 09652 IAW AE300 E4 MM CH. 85-10-50. OPS CHECK GOOD. NO DISCREPANCIES NOTED.

I certify that this aircraft has been inspected for the work preformed above and was determined to be in airworthy condition, and returned to service.

DATE: 10-07-2025
SIGNED: *Landon Moore*
Landon Moore
A&P: 4916802

WORK ORDER: 01805
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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

MAY 13, 2026 ENG TT: 681.1 CHANGED ENGINE OIL & FILTER
 HOBBS: 807.3 SERVICED ENGINE W/ 7 L
 AEROSHELL DIESEL ULTRA
 BY OWNER: H.S. BERNICK

MAKE: Diamond
 MODEL: DA40NG
 S/N: 40.NC137
 REG. NO: N275SB
 ENGINE MODEL: AE300
 ENGINE S/N: E4-A-06060



3804 Falcon Way W
 Hangar 18S
 Fort Worth TX 76106

W/O #: 1794
 DATE: 08-03-2026
 ENG TT: 720.2
 Tach: 720.2
 Hobbs: 851.7

Engine Entries

Performed 100 Hour Inspection using DA40NG AMM as a guide
 Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
 Changed gearbox oil. Serviced with Shell Spirax S6 GXME
 Inspected gearbox chip collector

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 08-03-2026

SIGNED:

David Seastead
 License: AP3492477 IA

WORK ORDER: 1794

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