

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE LOG

- | | |
|----------------------------------|--------------------|
| 1. Make: | Austro Engine GmbH |
| 2. Model: | E4P-C |
| 3. Specification: | EASA.E.200 |
| 4. Manufacturer's Serial Number: | E4P-C-00284 |
| 5. Date of Manufacture: | October 2019 |
| 6. Aircraft Inspection Cycle: | |



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)



DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93

Registration: N87DA
Airframe Total Time: 27.8
Engine LH SN: E4P-C-00284

AC Serial Number: 62.133
Work Order: SO 072411
Engine LH TT: 27.8

- Engine E4P-C, S/N: E4P-C-00284, installed on Aircraft DA 62 S/N: 62.133, LEFT
- Total Time Engine brought forward: 27.8 hrs.
- EECU software installed: VC33_2P_06_23
- Engine and documentation inspected for Major Mod's and/or STC's incorporated, none found.
- All applicable Airworthiness Directives, Service Bulletins complied with.
- AWD Bi-weekly checked thru 2020-01.
- Refer to Austro MM E4.08.04, latest revision for component inspection/exchange intervals
- Next inspection due: 100 hr inspection

The Maintenance Described has been performed IAW the Applicable Standard of Airworthiness



Date: JAN 09 2020



DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93

Registration: N87DA
Airframe Total Time: 32.8
Engine LH SN: E4P-C-00284
Engine LH TT: 32.8
Prop LH SN: 190283
Prop LH TT: 32.8

AC Serial Number: 62.133
Work Order: SO 072411
Engine RH SN: E4P-C-00285
Engine RH TT: 32.8
Prop RH SN: 190284
Prop RH TT: 32.8

- Replaced LH engine propeller governor PN: P-877-16
 - Removed SN: 19G557-I/G TTSN: 32.8 hrs
 - Installed SN: 19G919-I/G TTSN: 0.0 hrs
 - Ground run and leak check carried out. Found serviceable.
- Replaced LH engine gearbox temperature sensor. Installed PN: E4A-40-000-806.

The Maintenance Described has been performed IAW the Applicable Standard of Airworthiness



Date: FEB 03 2020

END.

ENGINE MODEL: AE330
ENGINE S/N (L): E4P-C-00284
REG NO: N87DA
WORK ORDER: 0122



Premier Aircraft Sales, Inc.

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

DATE: 7/8/2020
A/C TSN: 85.8
ENG TT (L):
FLIGHTTIME: 85.8

Left Engine Entries

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

DATE: 7/8/2020

SIGNED:

Chad Cox, License: AP3782800

Work Order: 0122

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ENGINE MODEL: AE330
ENGINE S/N (R): E4P-C-00285
REG NO: N87DA
WORK ORDER: 0185



Premier Aircraft Service, Inc.

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

DATE: 9/24/2020
A/C TSN: 139.1
ENG TT (R): 139.1
FLIGHTTIME: 139.1

Right Engine Entries

- Replaced cylinder head drain connection o-rings.

DATE: 9/24/2020

SIGNED:

Chad Cox, License: AP3782800

Work Order: 0185

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ENGINE MODEL: AE330
ENGINE S/N (L): E4P-C-00284
REG. NO: N1MF
WORK ORDER: 0254



Premier Aircraft Service, Inc.

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

DATE: 1/12/2021
A/C TSN: 188.9
ENG TT (L): 188.9
FLIGHTTIME: 188.9

Left Engine Entries

- Replaced oil and filter. Serviced with Aeroshell Diesel Ultra
- Inspected gearbox chip collector

DATE: 1/12/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0254

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ENGINE MODEL: AE330
ENGINE S/N (L): E4P-C-00284
REG. NO: N1MF
WORK ORDER: 0255



Premier Aircraft Service, Inc.

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

DATE: 1/12/2021
A/C TSN: 188.9
ENG TT (L): 188.9
FLIGHTTIME: 188.9

Left Engine Entries

- Replaced cylinder head drain o-rings

DATE: 1/12/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0255

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ENGINE MODEL: AE330
ENGINE S/N (L): E4P-C-00284
REG. NO: N1MF
WORK ORDER: 0297



Premier Aircraft Service, Inc.

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

DATE: 4/1/2021
A/C TSN: 246.4
ENG TT (L): 246.4
FLIGHTTIME: 246.4

Left Engine Entries

- Performed 100 Hour Inspection using DA62 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox chip collector

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

DATE: 4/1/2021

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0297

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ENGINE MODEL: AE330
ENGINE S/N (L): E4P-C-00284
REG. NO: N1MF
WORK ORDER: 0313



Premier Aircraft Service, Inc.

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

DATE: 4/19/2021
A/C TSN: 262.8
ENG TT (L): 262.8
FLIGHTTIME: 262.8

Left Engine Entries

- MSB-E4-029 installed BPA restrictor AEP-00361

DATE: 4/19/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0313

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ENGINE MODEL: AE330
ENGINE S/N (L): E4P-C-00284
REG. NO: N1MF
WORK ORDER: 0386



Premier Aircraft Service, Inc.

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

DATE: 7/26/2021
A/C TSN: 316.7
ENG TT (L): 316.7
FLIGHTTIME: 316.7

Left Engine Entries

- Replaced oil and filter. Serviced with Aeroshell Diesel Ultra
- Inspected gearbox chip collector

DATE: 7/26/2021

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0386

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Section 3A: Engine Service and Maintenance Log

ENGINE MODEL AE330
ENGINE S/N (L) E4P-C-00284
REG NO N1MF
WORK ORDER 0568



Premier Aircraft Service, Inc.

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

DATE: 4/28/2022
A/C TSN: 394.3
ENG TT (L): 394.3
FLIGHTTIME: 394.3

Left Engine Entries

- Performed 100 Hour Inspection using DA62 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- 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: 4/28/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0568

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ENGINE MODEL AE330
ENGINE S/N (L) E4P-C-00284
REG NO N1MF
WORK ORDER 0843



Premier Aircraft Service, Inc.

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

DATE: 5/12/2023
A/C TSN: 482.4
ENG TT (L): 482.4
FLIGHTTIME: 482.4

Left Engine Entries

- Replaced oil and filter. Serviced with Aeroshell Diesel Ultra
- Inspected gearbox chip collector
- Serviced coolant system

DATE: 5/12/2023

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0843

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ENGINE MODEL AE330
ENGINE S/N (L) E4P-C-00284
REG NO N1MF
WORK ORDER 1010



Premier Aircraft Service, Inc.

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

DATE: 12/22/2023
A/C TSN: 554.8
ENG TT (L): 554.8
FLIGHTTIME: 554.8

Left Engine Entries

- Performed 100 Hour Inspection using DA62 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox chip collector
- Replaced HPP o-ring DIN3771_44X3_ACM70

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

DATE: 12/22/2023

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 1010

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ENGINE MODEL: E4PC
ENGINE S/N (L):
E4P-C-00284
REG NO: 1MF
WORK ORDER:
10619-03-2024



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 4/2/2024
A/C TSN: 579.8
ENG TT (L): 579.8
TACH: 579.8

Left Engine Entries

(3) REPLACED LH ENGINE INJECTOR COVER OIL RETURN LINE BANJO BOLT SEAL WITH NEW P/N DIN7603-A10X13.
5-AL IAW E4-08-04 MM CH 70-20.

DATE: 4/2/2024

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 10619-03-2024

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TOTALS

PREVIOUS
TOTALS

TOTALS
SINCE NEW

CARRY FORWARD to Top of Next Page

ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00284
REG. NO: 37ES
WORK ORDER:
10813-09-2024



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 11/4/2024
A/C TSN: 605.1
ENG TT (L): 605.1
TACH: 605.1

Left Engine Entries

(2) CW 600 HR FLYWHEEL REPLACEMENT-LH ENG. REMOVED PIN E4A-73-300-000_AB.1 S/N 03784. INSTALLED NEW P/N E4PB-73-000-000-KIT S/N 07866. REPLACED GEARBOX OIL WITH 2 QTS OF SPIRAX 75W80 AND NEW GEARBOX FILTER. ALL WORK DONE IAW E4.08.04 CH 85-10. OPS CHECKED GOOD.
(4) CW 600 HR HP FUEL PUMP REPLACEMENT ON LH ENGINE. REMOVED HPP P/N E4A-30-000-BHY S/N 12-04-12-03-00155. INSTALLED NEW HPP P/N E4A-30-000-BHY S/N 23-02-08-02-00202 IAW E4.08.04 MM CH: 73-10-03. LEAK CHECKED GOOD.

DATE: 11/4/2024

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 10813-09-2024

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ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00284
REG. NO: 37ES
WORK ORDER:
10887-11-2024



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 12/2/2024
A/C TSN: 610
ENG TT (L): 610
TACH: 610

Left Engine Entries

(3) CW ANNUAL/300 HR INSPECTION ON LH ENGINE IAW 14 CFR PART 43 APPENDIX-D USING DA62 MM CH 5 AND AUSTRO E4.08.04 MM INSPECTION CHECKLIST AS A GUIDE. CHANGED ENG OIL AND OIL FILTER WITH KIT P/N: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED FUEL FILTER WITH NEW P/N: WK724_3. REPLACED GEARBOX FILTER WITH P/N: E4A-70-000-806.
(38) REPLACED LH ENG AIR FILTER WITH NEW P/N: RU-1620 IAW DA62 MM CH 71-60.
(39) CW 300 HR ALTERNATOR BRUSH INSPECTION ON LH ENGINE IAW AUSTRO E4.08.04 CH: 24-31. FOUND WITHIN SPECS.
(41) CW 600 HR WASTEGATE CIRCLIP INSPECTION ON LH ENGINE. REPLACED WASTEGATE CIRCLIP WITH NEW P/N: E4A-41-100-801 IAW E4.08.04 CH: 81
(50) REPLACED LH ENG CYLINDER HEAD OIL RETURN LINE SEALS WITH NEW P/N: DIN7803-14X18X2.0 AND OR_7.8X3.2-ACM70 IAW E4-08-04 MM CH 79-20.
(57) REPLACED LH TURBO CHARGE HOSE O-RING WITH NEW P/N DIN3771-46.2X3.55 IAW DA62 MM CH 81-00. LEAK CHECKED GOOD.
(59) REPLACED LH ENGINE OIL SEPARATOR CORRUGATED HOSE WITH NEW P/N: E4A-53-000-501 IAW AUSTRO E4.08.04 MM CH: 79-20-00. LEAK CHECKED GOOD.

I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 12/2/2024

SIGNED:

JUAN VALENCIA
CRS 9PRR402B

Work Order: 10887-11-2024

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MAKE: Diamond
MODEL: DA-62
S/N: 62.133
REG. NO: 37ES
MODEL-L: E4P
ENGINE S/N-L: E4P-C-00284



Premier Aircraft Service, Inc.

5540 NW 23rd Avenue Hangar 14
Fort Lauderdale, FL 33309

W/O #: 11180-08-2025
DATE: 08-20-2025
ENG TT - L: 693.9
Tach: 693.9

Entries

2 REMOVED AND REPLACED LH ENGINE WASTE ACTUATOR PN: E4A-41-120-000, RESTRICTOR PN: AEP-00361, BOOST PRESSURE ACTUATOR PN: E4A-41-300-801 AND NEW WASTEGATE ACTUATOR SPRING CLIP IAW AUSTRO E4 SERIES ENGINE M/M CH 81. OP0S CHECKED GOOD.

DATE: 08-20-2025

SIGNED:

Samuel Tavaréz
License: A&P 3521895

WORK ORDER: 11180-08-2025

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