

# 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-00285        |
| 5. Date of Manufacture:          | October 2019       |
| 6. Aircraft Inspection Cycle:    |                    |



### Section 3A: Engine Service and Maintenance Log

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



**Registration:** N87DA  
**Airframe Total Time:** 27.8  
**Engine RH SN:** E4P-C-00285

**DIAMOND AIRCRAFT IND.  
D.O.T. APPROVED MAINTENANCE  
ORGANIZATION161-93**

**AC Serial Number:** 82.133  
**Work Order:** SO 072411  
**Engine RH TT:** 27.8

- Engine E4P-C, S/N: **E4P-C-00285**, installed on Aircraft DA 62 S/N: **62.133, RIGHT**
- 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

ACA



Date: **JAN 09 2020**

ENGINE MODEL: AE330  
ENGINE S/N (R): E4P-C-00285  
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 (R):  
FLIGHTTIME: 85.8

### Right 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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|                             |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|
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| <b>TOTALS<br/>SINCE NEW</b> |  |  |  |  |  |  |

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NAME/  
SIGNATURELICENCE:  
AMEST  
AMQIACA

MAKE: Diamond  
MODEL: DA62  
S/N: 62 133  
REG NO: N87DA  
WORK ORDER: 0144

**Premier Aircraft Sales, Inc.**

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

DATE: 8/14/2020  
A/C TSN: 122  
FLIGHTTIME: 122

**Airframe Entries**

- Replaced all brake linings P/N 066-15500

DATE: 8/14/2020

SIGNED:

Chad Cox, License: AP3782800

Work Order: 0144

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MAKE: Diamond  
MODEL: DA62  
S/N: 62 133  
REG NO: N87DA  
WORK ORDER: 0136

**Premier Aircraft Sales, Inc.**

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

DATE: 8/14/2020  
A/C TSN: 122  
FLIGHTTIME: 122

**Airframe Entries**

- Replaced pilot sun visor lens P/N R1961403
- Replaced RH coolant safety valve P/N X11-0014-00-00-00 and serviced system

DATE: 8/14/2020

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 0136

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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:

David Seastead, License: AP3492477 IA

Work Order: 0185

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ENGINE MODEL: AE330  
ENGINE S/N (R): E4P-C-00285  
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 (R): 246.4  
FLIGHTTIME: 246.4

**Right 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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Section 3A: Engine Service and Maintenance Log

| DATE<br><br>/ /    | TIME RUN |     | TIME<br>SINCE OVERHAUL |     | CYCLES       |       |
|--------------------|----------|-----|------------------------|-----|--------------|-------|
|                    | HOURS    | min | HOURS                  | min | Sub<br>Total | TOTAL |
| BROUGHT<br>FORWARD | →        |     |                        |     |              |       |

DESCRIPTION OF WORK PERFORMED  
(INSPECTION, REPAIRS, REPLACEMENT)

ENGINE MODEL AE330  
ENGINE S/N (R) E4P-C-00285  
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 (P): 188.9  
FLIGHTTIME: 188.9

- Right Engine Entries
- Replaced oil and filter. Serviced with Aeroshell Diesel Ultra
  - Inspected gearbox chip collector
  - Replaced cylinder head drain o-rings

DATE: 1/12/2021

SIGNED:   
Chad Cox, License: AP3782800

Work Order: 0254

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MAKE: Diamond  
MODEL: DA62  
S/N: 62.133  
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  
FLIGHTTIME: 188.9

- Airframe Entries
- Replaced fuel filters

DATE: 1/12/2021

SIGNED:   
David Seastead, License: AP3492477 IA

Work Order: 0254

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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
  - Replaced cylinder head drain o-rings

DATE: 1/12/2021

SIGNED:   
Chad Cox, License: AP3782800

Work Order: 0254

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MAKE: Diamond  
MODEL: DA62  
S/N: 62.133  
REG NO: N1MF  
WORK ORDER: 0280



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

DATE: 3/8/2021  
A/C TSN: 228.7  
FLIGHTTIME: 228.7

- Airframe Entries
- Replaced RH coolant safety valve X11-0014-00-00.00

DATE: 3/8/2021

SIGNED:   
David Seastead, License: AP3492477 IA

Work Order: 0280

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NAME/  
SIGNATURELICENCE:  
AME or  
AMO/ACA

ENGINE MODEL AE330  
ENGINE S/N (R): E4P-C-00285  
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  
ENG TT (R): 262  
FLIGHTTIME: 262

**Right Engine Entries**

- Replaced BPA E4A-41-300-801
- 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 (R): E4P-C-00285  
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 (R): 316.7  
FLIGHTTIME: 316.7

**Right 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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ENGINE MODEL AE330  
ENGINE S/N (R): E4P-C-00285  
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 (R): 394.3  
FLIGHTTIME: 394.3

**Right 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
- Serviced coolant system

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 (R): E4P-C-00285  
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 (R): 482.4  
FLIGHTTIME: 482.4

**Right 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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# Section 3A: Engine Service and Maintenance Log

ENGINE MODEL AE330  
ENGINE S/N (R) E4P-C-00285  
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: 554.3  
ENG TT (R): 554.3  
FLIGHTTIME 554.3

### Right Engine Entries

- Performed 100 Hour Inspection using DA82 AMM as a guide
- Changed oil and filter. Serviced engine with Aeroshell Diesel Ultra
- Inspected gearbox chip collector
- Replaced turbo drain gasket
- Replaced cylinder head drain connection o-rings and gaskets

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 AE330  
ENGINE S/N (R) E4P-C-00285  
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: 1/9/2024  
A/C TSN: 555.3  
ENG TT (R): 555.3  
FLIGHTTIME 555.3

### Right Engine Entries

- Replaced governor with new P-877-16 S/N 23G1047-KH

DATE 1/9/2024

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 1010

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ENGINE MODEL AE330  
ENGINE S/N (R) E4P-C-00285  
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: 1/9/2024  
A/C TSN: 555.8  
ENG TT (R): 555.8  
FLIGHTTIME 555.8

### Right Engine Entries

- Replaced boost pressure actuator

DATE 1/9/2024

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 1010

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ENGINE MODEL E4PC  
ENGINE S/N (R)  
E4P-C-00285  
REG NO: 1MF  
WORK ORDER  
10571-02-2024



## Premier Aircraft Service, Inc.

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

DATE: 3/20/2024  
A/C TSN: 579.1  
ENG TT (R): 579.1  
TACH: 579.1

### Right Engine Entries

- (3) REPLACED RH ENG CYLINDER HEAD ASSY WITH NEW P/N E4A-00-M02-BHY BATCH NO. RC2202358 IAW E4.08.04 MM CH 85. CHANGED ENG OIL AND SERVICED WITH 7 QTS AEROSHELL DIESEL 5W30.
- (5) REPLACED COOLANT FLUID FROM RH ENG WITH ANTIFREEZE G48 IAW DA62 MM CH 75.

DATE: 3/20/2024

SIGNED:

EMMANUEL VICIOSO  
CRS 9PRR402B

Work Order: 10571-02-2024

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TOTALS  
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ENGINE MODEL: AE330  
ENGINE S/N (R): E4P-C-00285  
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: 1/9/2024  
A/C TSN: 555.8  
ENG TT (R): 555.8  
FLIGHTTIME: 555.8

### Right Engine Entries

- Replaced wastegate actuator

DATE: 1/9/2024

**SIGNED:**

Chad Cox, License: AP3782800 IA

Work Order: 1010

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**Lufttüchtig  
Airworthiness**

ENGINE MODEL: E4P  
ENGINE S/N (R):  
E4P-C-06513  
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 (R): 0  
TACH: 605.1

**Right Engine Entries**

(9) INSTALLED NEW RH ENGINE P/N E4PC-00-000-BHY S/N E4P-C-06513 IAW E4.02.01 MM AND DA62 MM CH 71. SERVICED WITH 7 QTS OF AEROSHELL DIESEL 5W30 ENGINE OIL, 2 QTS OF SPIRAX 75W80 GEARBOX OIL AND NEW ANTIFREEZE COOLANT FLUID. REPLACED RH ECU P/N E4A-92-100-000 ISS AB1 S/N 3099 WITH NEW P/N E4A-92-100-000 ISS AD1 S/N 6708

DATE: 11/4/2024

SIGNED:

Work Order: 10813-09-2024

EMMANUEL VICIOSO  
CRS 9PRR402B

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8

**ift & Lizenz Nr.:**

**8 License no.:**

ENGINE MODEL: E4P  
ENGINE S/N (R):  
E4P-C-06513  
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 (R): 4.9  
TACH: 610

**Right Engine Entries**

(4) C/W ANNUAL INSPECTION ON RH ENGINE IAW 14 CFR PART 43 APPENDIX-D USING DA62 MM CH 5 AND AUSTRO E4.08.04 MM INSPECTION CHECKLIST AS A GUIDE. REPLACED FUEL FILTER WITH NEW P/N: WK724\_3. NO OIL CHANGED.

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:

Work Order: 10887-11-2024

JUAN VALENCIA  
CRS 9PRR402B

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