

LH

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE LOG

1. Make:	Austro Engine GmbH
2. Model:	E4P-C
3. Specification:	E00081EN
4. Manufacturer's Serial Number:	E4P-C-00013
5. Date of Manufacture:	October 20, 2015
6. Aircraft Inspection Cycle:	



DIAMOND AIRCRAFT IND.
D.O.T. APPROVED
MAINTENANCE
ORGANIZATION 161-93
Diamond Aircraft Work Order:
SO 071823

Registration: N833ME
AC Serial Number: 62 015
Airframe Total Time: 164.0 Hrs
LH Engine SN: E4P-C-00013
LH Engine TSN: 164.0 Hrs
LH Prop SN: 150620
LH Prop TSN: 164.0 Hrs
RH Engine SN: E4P-C-00014
RH Engine TSN: 164.0 Hrs
RH Prop SN: 150622
RH Prop TSN: 164.0 Hrs

LH Engine: E4P-C-00013

Routine Maintenance:

- 100 hr Engine Inspection Carried out IAW DA 62 AMM Ch 05, and Austro Engine MM E4.08.04
- Engine Oil Serviced per AE MM Chapter 05-20-00
- Fuel filter replaced with new.
- Replaced induction air filter
- Replaced gearbox oil and filter

Non-Routine Maintenance:

- Replaced gearbox filter cap o-ring
- Replaced LH/RH FWD engine shock mounts

AWD/SB Compliance:

- Austro MSB-E4-022/3 – Waste gate controller inspected. Replacement Due at 250 Hr. TTAF.
- Austro MSB-E4-024/1 – Turbo waste gate circlip replaced at this time with PN: E4A-41-100-8C1.
- FAA AD 2018-07-16 – Waste gate controller requires replacement at 250 Hr. TTAF. Circlip replaced at this time.
- Replaced turbo charger v-clamp and added 0.6mm shim PN: DS-SW1-690-530-006C1 as per WI-RSB 62-010/1.
- FAA Bi-Weekly Review 2018-13 complied with

Dual Inspection Carried out on all Engine Controls affected by Work Performed

ACA

Date: JUL 03 2018

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

ACA

Date: JUL 03 2018

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

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)



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 • 510 782-6591

ENGINE ENTRY

WORK ORDER: 2418 AIRCRAFT: N833ME TACH: 217.0 TSOH: N/A TTE: 217.0
L/H ENGINE MODEL: Austro E4P-C S/N: E4P-C-00013

DATE: 07/29/2019

Resealed turbocharger banjo fitting using new gaskets (1EA P/N: E4A-05-000-103 & E4A-05-000-104, 2EA P/N: DIN7603-A14X18). Completed all 100 hour servicing using service kit (P/N: DA42-AE-100KIT). Drained and sampled oil. Removed and replaced oil filter with new. Examined old oil filter element, no contaminants found. Serviced engine with 6.5 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Inspected and reinstalled gearbox oil filter. Serviced gearbox using removed oil and topped off with new Shell Spirax S6 GXME 75W80 oil. Replaced fuel filter. Pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Downloaded ECU engine log file and event recorder. C/W AD 2018-07-16 "waste gate control rod" by installation of waste gate actuator fail safe bridge (P/N: AEP-00265-000) per Austro SI-E4-011 approved AMOC to the AD and terminating action to the repetitive actuator replacement. Improved circlip previously installed per Austro MSB-E4-022/5. No further action required. If the engine experiences an in-flight windmilling restart AD 2018-18-02 "timing chain failure" will be due within 110 flight hours of the event or before the timing chain reaches 945 hours in service, whichever occurs later. Verified AD's current through FAA AD biweekly 2019-15. All work completed in accordance with the Diamond DA 62 Maintenance Manual, the Austro E4 Maintenance Manual and temporary revision MM-TR-MDC-E4-422c. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P / IA 3212565

ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
9268-02-2021

Premier
Aircraft Service

Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 4/19/2021
A/C TSN: 280.5
ENG TT (L): 280.5
TACH: 280.5

Left Engine Entries

(12) UPDATED LH ECU SOFTWARE TO VERSION#24 IAW AE300 WIZARD. ENGINE RUN UP CHECKED GOOD.

DATE: 4/19/2021

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 9268-02-2021

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TOTALS

PREVIOUS
TOTALS

TOTALS
SINCE NEW

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ENGINE MODEL E4P
ENGINE S/N (L)
E4P-C-00013
REG. NO. 833ME
WORK ORDER:
9454-07-2021



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/6/2021
A/C TSN: 289.8
ENG TT (L): 289.8
TACH: 289.8

LICENCE:

AME or
AMO/ACA

Left Engine Entries

- (3) C/W ANNUAL INSPECTION ON LH ENGINE IAW 14 CFR PART 43 APPENDIX-D USING DA62 MM CH 5 AND AUSTRO E4 08.04 MM 300 HR INSPECTION CHECKLIST AS A GUIDE. CHANGED ENG OIL AND OIL FILTER WITH KIT PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED FUEL FILTER WITH NEW PN: WK724_3. REPLACED GEARBOX FILTER WITH PN: E4A-70-000-806.
(26) C/W 5 YR V-RIBBED BELT REPLACEMENT ON LH ENG IAW: AUSTRO E4 08.04 MM CH 85-40-00.
(29) C/W 300 HR ALTERNATOR BRUSH INSPECTION ON LH ENGINE IAW: AUSTRO E4 08.04 MM CH 24-31-00.
(31) C/W 300 HR LH ENG TWO-MASS FLYWHEEL INSPECTION. REPLACED TWO-MASS FLYWHEEL AND HUB ASSY. PN OFF: E4A-300-000_030 SN OFF: 1310. PN ON: E4A-73-300-000_030 SN ON: 04701 IAW: AUSTRO E4 08.04 MM CH 85-10-00.
(38) C/W MSB-E4-026/1 LH ENGINE HARNESS INSPECTION.
(40) C/W MSB-E4-029/1 INSTALLATION OF PRESS VALVE HOSE RESTRICTOR- LH ENG.
(42) C/W MSB-E4-031/1 OIL PUMP REPLACEMENT- LH ENG. N/A BY S/N.
(44) C/W MSB-E4-034 HP FUEL PUMP GEAR INSP- LH ENG. N/A BY S/N.
(46) C/W MSB-E4-035 CYL HEAD ASSY AND HP FUEL PUMP GEAR- LH ENG. N/A BY P/N.
(55) REPLACED LH ENG COOLANT TANK CAP WITH NEW P/N 11000118 AND ADJUSTED LOCKING TABS. PRESSURE TESTED IAW DA62 AMM CH 75.
(56) REMOVED, CLEANED AND RE INSTALLED LH ENGINE OIL BREATHER DRAIN ADAPTER IAW: DA62 AMM 71-70-00.

2 of 2

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

DATE: 10/6/2021

SIGNED:

Work Order: 9454-07-2021

EMMANUEL VICIOSO
CRS 9PRR4028

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ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
10031-11-2022



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/20/2023
A/C TSN: 371.5
ENG TT (L): 371.5
TACH: 371.5

Left Engine Entries

- (3) C/W 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 PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED GEARBOX FILTER WITH PN: WK724_3. REPLACED GEARBOX OIL ANALYSIS AN (32) MSB-E4-039 OIL ANALYSIS AN (46) REPLACED SEALS ON LH ENG (49) PAINTED AND INSTALLED HEAD GASKET ON LH ENG CH 51-00.

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

DATE: 1/20/2023

SIGNED:

EM

CR

ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
10683-05-2024



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 5/16/2024
A/C TSN: 433.8
ENG TT (L): 433.8
TACH: 433.8

Left Engine Entries

- (6) REPLACED LH ENGINE OIL PRESSURE SENSOR WITH NEW P/N: E4A-52-100-801 IAW AUSTRO E4 08.04 MM CH: 79-30-00. OPS CHECKED GOOD.

ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
10550-02-2024



DATE: 5/16/2024

SIGNED:

DENNIS ALLARD
CRS 9PRR4028

Work Order: 10683-05-2024

Printed by EBis 3 (datcomedia.com)

Left Engine Entries

- (3) C/W ANNUAL 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 PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED GEARBOX FILTER WITH PN: E4A-70-000-806.
(31) REPLACED LH HPP O-RING WITH NEW P/N DIN3771_44X3_ACM70 IAW E4 08.04 MM CH 73-10. LEAK CHECKED GOOD.
(32) REPLACED LH ENGINE TURBO OIL FEED LINE BANJO SEALS WITH NEW P/N: DIN7603-14X18X2.0 IAW AUSTRO E4 08.04 MM CH: 79-00. LEAK CHECKED GOOD.
(34) REPLACED LH TURBOCHARGER SYSTEM WITH NEW P/N: E4C-00-410-BHY S/N: YL6057829600051 IAW E4 08.04 MM CH: 81-20-00. OPS CHECK GOOD.
(43) REPLACED LH COOLANT LEVEL SENSOR WITH NEW P/N: D4D-9075-26-26 IAW DA62 MM CH: 75-00-00. OPS CHECK GOOD.

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

DATE: 5/1/2024

SIGNED:

Work Order: 10550-02-2024

JUAN VALENCIA
CRS 9PRR4028

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ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
10031-11-2022



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 10/6/2021
A/C TSN: 288.8
ENG TT (L): 288.8
TACH: 288.8

LICENCE:
AMEor
AMO/ACA

Left Engine Entries

- (3) C/W ANNUAL INSPECTION ON LH ENGINE IAW 14 CFR PART 43 APPENDIX-D USING DA62 MM CH 5 AND AUSTRO E4.08.04 MM 300 HR INSPECTION CHECKLIST AS A GUIDE. CHANGED ENG OIL AND OIL FILTER WITH KIT PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED FUEL FILTER WITH NEW PN: WK724_3. REPLACED GEARBOX FILTER WITH PN: E4A-70-000-806.
- (26) C/W 5 YR V-RIBBED BELT REPLACEMENT ON LH ENG IAW AUSTRO E4.08.04 MM CH 85-40-00.
- (29) C/W 300 HR ALTERNATOR BRUSH INSPECTION ON LH ENGINE IAW AUSTRO E4.08.04 MM CH 24-31-00.
- (31) C/W 300 HR LH ENG TWO-MASS FLYWHEEL INSPECTION. REPLACED TWO-MASS FLYWHEEL AND HUB ASSY PN OFF E4A-300-000_030 SN OFF 1310 PN ON E4A-73-300-000_030 SN ON 04701 IAW AUSTRO E4.08.04 MM CH 85-10-00.
- (38) C/W MSB-E4-026/1 LH ENGINE HARNESS INSPECTION.
- (40) C/W MSB-E4-029/1 INSTALLATION OF PRESS VALVE HOSE RESTRICTOR- LH ENG.
- (42) C/W MSB-E4-031/1 OIL PUMP REPLACEMENT- LH ENG. N/A BY S/N.
- (44) C/W MSB-E4-034 HP FUEL PUMP GEAR INSP- LH ENG. N/A BY S/N.
- (46) C/W MSB-E4-035 CYL HEAD ASSY AND HP FUEL PUMP GEAR- LH ENG. N/A BY P/N.
- (55) REPLACED LH ENG COOLANT TANK CAP WITH NEW P/N 11000118 AND ADJUSTED LOCKING TABS. PRESSURE TESTED IAW DA62 AMM CH 75.
- (56) REMOVED, CLEANED AND RE INSTALLED LH ENGINE OIL BREATHER DRAIN ADAPTER IAW: DA62 AMM 71-70-00.

2 of 2

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

DATE: 10/6/2021

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 9454-07-2021

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
10031-11-2022



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 1/20/2023
A/C TSN: 371.5
ENG TT (L): 371.5
TACH: 371.5

Left Engine Entries

- (3) C/W 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 PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED FUEL FILTER WITH NEW PN: WK724_3. REPLACED GEARBOX FILTER WITH PN: E4A-70-000-806.
- (32) MSB-E4-039 OIL ANALYSIS AND PISTON REPLACEMENT ON LH ENGINE- N/A BY S/N.
- (46) REPLACED SEALS ON LH ENGINE TURBO OIL RETURN LINE IAW AUSTRO E4-08-04 MM CH 79-20.
- (49) PAINTED AND INSTALLED HEAT SHIELD ON LH ENGINE VALVE COVER IAW E4-08-04 MM CH 85-10 AND DA62 MM CH 51-00.

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

DATE: 1/20/2023

SIGNED:

EMMANUEL VICIOSO
CRS 9PRR402B

Work Order: 10031-11-2022

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: E4P
ENGINE S/N (L):
E4P-C-00013
REG. NO: 833ME
WORK ORDER:
10550-02-2024



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 5/1/2024
A/C TSN: 427.1
ENG TT (L): 427.1
TACH: 427.1

Left Engine Entries

- (3) C/W ANNUAL 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 PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED FUEL FILTER WITH NEW PN: WK724_3. REPLACED GEARBOX FILTER WITH PN: E4A-70-000-806.
- (31) REPLACED LH HPP O-RING WITH NEW P/N DIN3771_44X3_ACM70 IAW E4.08.04 MM CH 73-10. LEAK CHECKED GOOD.
- (32) REPLACED LH ENGINE TURBO OIL FEED LINE BANJO SEALS WITH NEW P/N: DIN7603-14X18X2.0 IAW AUSTRO E4.08.04 MM CH: 79-00. LEAK CHECKED GOOD.
- (34) REPLACED LH TURBOCHARGER SYSTEM WITH NEW P/N: E4C-00-410-BHY S/N: YL6057829600051 IAW E4.08.04 MM CH: 81-20-00. OPS CHECK GOOD.
- (43) REPLACED LH COOLANT LEVEL SENSOR WITH NEW P/N: D4D-9075-26-26 IAW DA62 MM CH: 75-00-00. OPS CHECK GOOD.

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

DATE: 5/1/2024

SIGNED:

JUAN VALENCIA
CRS 9PRR402B

Work Order: 10550-02-2024

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Section 3A: Engine Service and Maintenance Log

DATE / /		TIME	CYCLES	W/O #: 11088-05-2025 DATE: 07-15-2025 ENG TT - L: 526.1 Tach: 526.1	WORK PERFORMED: REPLACEMENT)																		
BROUGHT FORWARD		MAKE: Diamond MODEL: DA62 S/N: 62.015 REG. NO: 833ME MODEL-L: E4P ENGINE S/N-L: E4P-C-00013			Premier Aircraft Service, Inc. CRS: # 9PRR402B 5540 NW 23rd Avenue Hangar 14 Fort Lauderdale, FL 33309																		
Left Engine Entries																							
3 C/W ANNUAL 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 PN: E4A-00-301-KIT. SERVICED WITH 7 LITERS OF AEROSHELL DIESEL OIL 5W30. REPLACED FUEL FILTER WITH NEW PN: WK724_3.																							
44 REPLACED LH ENG FUEL HPP BASE ORING WITH NEW P/N: DIN3771_44X3_ACM70 IAW MM E4.08.04 CH: 73-10-03.																							
54 REPLACED LH OIL DIPSTICK O-RING WITH NEW P/N: DIN3771-37.77X2.62																							
57 REPLACED LH GEARBOX OIL PLACARD WITH NEW P/N: D67-1126-20-27 AS REQUIRED.																							
I CERTIFY THIS AIRFRAME, ENGINE, OR PROPELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.																							
DATE: 07-15-2025		SIGNED: Emmanuel Vicioso Emmanuel Vicioso CRS: # 9PRR402B		WORK ORDER: 11088-05-2025 Printed by EBIS (EBISCloud.com)																			
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