

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE DATA

1. Make Austro Engine GmbH
2. Model E4P-C
3. Specification E00081EN
4. Manufacturer's Serial Number E4P-C-00183
5. Date of Manufacture June 2018



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							



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

Registration: N629MJ
Airframe Total Time: 31.4
Engine LH SN: E4P-C-00183

AC Serial Number: 62 091
Work Order: SO 071958
Engine LH TT: 31.4

- Engine E4P, S/N: E4P-C-00183, installed on Aircraft DA 62 S/N: 62.091, LEFT
- Total Time Engine brought forward: 31.4 hrs
- EECU software installed: VC33_2P_06_21
- 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 2018-18
- 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



SEP 17 2018

Date: _____



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

Registration: N629MJ
Airframe Total Time: 31.4
Engine LH SN: E4P-C-00183

AC Serial Number: 62 091
Work Order: SO 071958
Engine LH TT: 31.4

- Installed propeller unfeathering accumulators on LH and RH engines per Diamond approved Drawing No. D67-6116-00-00 Rev.A. & DA62 AMM Ch.61-20-00. OAM 62-030 (a) (Operation without Unfeathering Accumulators) no longer applicable to this Aircraft.
- Installed accumulator PN: P-893-3 SN: 18A122 on LH engine. Serviced with nitrogen per DA62 AMM Ch. 61-20-00.
- LH gear box oil level adjusted following accumulator install.
- Ground runs and feather checks satisfactory.

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



Date: SEP 24 2018

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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							



DIAMOND AIRCRAFT INC.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 181-93

Registration:	NS29MJ
Airframe Total Time:	327
Engine LH SN:	E4M-C-00183

AC Serial Number: 62 091
Work Order: SO 071958
Engine LH TT: 32.7

- LH governor speed stop adjusted as required
- Ground runs satisfactory.

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



Date **SEP 26 2018**



DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 141-93

Registration:	N629MJ
Airframe Total Time:	33.4
Engine LH 5N:	T4P-C-00183

AC Serial Number: 62.C91
Work Order: 50 071958
Engine LH TT: 33.4

- Replaced LH prop governor. Removed PN: P-877-16, SN: 18G371IG TTSN: 33.4. Installed PN: P-877-16, SN: 18G296IG TTSN: 0.0
- Ground runs satisfactory.

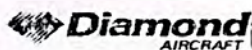
The Maintenance Described has been performed IAW the Applicable Standard of Airworthiness



Date: **SEP 27 2018**

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACADIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93Registration: N629MJ
Airframe Total Time: 96.5
Engine LH SN: E4P-C-00183
Engine LH TT: 96.5AC Serial Number: 62 091
Work Order: SO 072068
Engine RH SN: E4P-C-00184
Engine RH TT: 96.5

- LH Engine 100 hour inspection carried out IAW AE-MM-E4.08.04
- New seals installed on banjo fitting under turbo, oil return line
- FAA AD BI-weekly check completed. All AD's found complied with.
- AD 2018-07-16 - Reciprocating Engine Supercharger found previously complied with

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



ACA

Date: DEC 1 2 2018

DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93Registration: N629MJ
Airframe Total Time: 97.4
Engine LH SN: E4P-C-00183AC Serial Number: 62 091
Work Order: SO 072068
Engine LH TT: 97.4

- LH fuel filter quick drain replaced with new

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



ACA

Date: DEC 1 4 2018



1213 N Sandusky Rd Suite B, Sandusky, MI 48471

c: (989) 823-4273 flyboyzaviation@yahoo.com

Tach: 179.6
Engine TT 179.60HOBBS:
TSOH:Work Order: 2019-2123
TSTOH:Date: 8/8/2019
Tail: N629MJ

Aircraft removed from service for the following maintenance:

Removed L engine EECU P/N E4PC-92-000-000 Rev AA1 S/N 2333 due to L eng ECU A/ECU B fail caution msg.
Installed new EECU Rev AB1 S/N 2924. Performed ground & flight checks with defect no longer remaining.

* Work performed during this maintenance visit was completed IAW approved publications and all parts installed were determined to be approved for aircraft use prior to installation. Aircraft is returned to service after the previously stated maintenance.

Adam Ondrajka

A&P/IA 3531616

unable to pull
ECU run times/
Engine run time

DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93Registration: N629MJ
Airframe Total Time: 168.4
Engine LH SN: E4P-C-00183AC Serial Number: 62 091
Work Order: SO 072270
Engine LH TT: 168.4**The Following Maintenance Was Carried Out On LH Engine:**

- Carried out 100 hr. engine inspection IAW Austro AMM E4.08.04 Rev. 27. and Diamond AMM 7.02.25 Rev 1
- FAA AD BI-weekly reviewed thru 2019-17.
- Replaced engine oil and filter. Serviced engine with FL Aeroshell Diesel Ultra 5W30
- Serviced gearbox per Austro check sheet
- Replaced fuel filter.
- MSB E4-026 - inspection of engine harness carried out on LH engine. No faults found.
- Replaced LH coolant relief valve PN: X11-0014-00-00.00
- Replaced LH engine induction air filter.

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



ACA

Date: AUG 2 9 2019

END.

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)

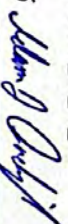
		1213 N Sandusky Rd, Suite B, Sandusky, MI 48471 c:(989) 823-4273 flyboyaviation@yahoo.com	
Tach:	HOBBS: 302.2	Work Order: 2020-3083	Date: 9/1/2020
Engine TT: 302.20	TSOH:	TSTOH:	Tail: N629MJ
Prop TT: 302.20	TSOH:		
Performed ANNUAL/300hr INSPECTION on this L ENGINE IAW Diamond DA62 Maintenance Manual section 5 and Austro Maintenance Manual. Collected oil sample from gearbox & engine oil, sent out for analysis. Drained coolant system, removed propeller & gearbox. Removed & replaced TVD assy with new unit P/N E4PB-73-000-000-KIT S/N 03462. Reinstalled gearbox & propeller, torqued to specs. Reserviced gearbox oil, replaced coolant with new 50/50 mix & bleed system. Drained engine oil & serviced with 7qts Castrol Edge 0W40. Replaced oil filter, cleaned gearbox filter. Cleaned air filter & reinstalled. I certify this engine has been inspected IAW a annual inspection & determined to be in airworthy condition. AD's 2020-15-05 found PCW per AD 2018-07-16 2020-14-07 not due at this time Due Next 900hrs TT or 100hrs after windmill restart MSB-E4-028 N/A by S/N MSB 62-002 Rev 4/MSB-E4-003 Rev 25 Complied with ECU software update Adam Ondrajka A&P/IA 3531616 <i>Adam Ondrajka</i>			

		1213 N Sandusky Rd Suite B, Sandusky, MI 48471 c:(989) 823-4273 flyboyaviation@yahoo.com	
Tach:	HOBBS: 348.9	Work Order: 2021-3245	Date: 3/23/2021
Engine TT: 348.90	TSOH:	TSTOH:	Tail: N629MJ
Aircraft returned from service for the following maintenance: Swapped oil pressure sensor with R engine for troubleshooting, fault followed. Replaced oil pressure sensor with Mercedes Benz P/N A0081530028. Cleared fault codes, performed engine run/ops check with fault no longer remaining. Work performed during this maintenance visit was completed IAW approved publications and all parts installed were determined to be approved for aircraft use prior to installation. Aircraft is returned to service after the previously stated maintenance. Adam Ondrajka A&P/IA 3531616 <i>Adam Ondrajka</i>			

		1213 N Sandusky Rd, Suite B, Sandusky, MI 48471 c:(989) 823-4273 flyboyaviation@yahoo.com	
Tach:	HOBBS: 376.3	Work Order: 2021-3298	Date: 7/23/2021
Engine TT: 376.30	TSOH:	TSTOH:	Tail: N629MJ
Prop TT: 376.30	TSOH:		
Performed ANNUAL/300hr INSPECTION on this L ENGINE IAW Diamond DA62 Maintenance Manual section 5 and Austro Maintenance Manual. Collected oil sample from gearbox & engine oil, sent out for analysis. Drained & serviced gearbox oil with Spirax 75W90, topped off coolant with new 50/50 mix. Drained engine oil & serviced with 7qts Castrol Edge 0W40. Replaced oil filter, cleaned gearbox filter. Replaced air filter. I certify this engine has been inspected IAW a annual inspection & determined to be in airworthy condition. AD's 2020-14-07, 2020-15-05 Due after windmilling restart Austro MSB-E4-029/1 Complied with Work Instruction WI-MSB-EF-029 by installation of restrictors Adam Ondrajka A&P/IA 3531616 <i>Adam Ondrajka</i>			

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		1213 N Sandusky Rd, Suite B, Sandusky, MI 48471 c:(989) 823-4273 flyboyzaviation@yahoo.com		E/ LICENCE: AME of AWO/ACA	
Tach:	HOBBS: 490	Work Order: 2022-3218	Date: 8/10/2022		
Engine TT 490.00	TSTOH:	TSTOH:	Tail: N629MJ		
Prop TT: 490.00	TSTOH:				
Performed ANNUAL/200hr INSPECTION on this L ENGINE IAW Diamond DA62 Maintenance Manual section 5 and Austro Maintenance Manual. Collected oil sample from gearbox & engine oil, sent out for analysis. Topped off coolant with new 50/50 mix. Drained engine oil & serviced with 7qts Castrol Edge 0W40. Sample sent out for analysis. Replaced oil filter, cleaned gearbox filter. Replaced air filter. I certify this engine has been inspected IAW a annual inspection & determined to be in airworthy condition. AD's 2020-14-07, 2020-15-05 Due after windmilling restart 2021-09-04, 2021-17-01, 2021-24-10, 2022-03-03 N/A by S/N Austro MSB-E4-003/26 Updated software to VC33_2P_07_25					
Adam Ondrajka		A&P/IA 3531616			

WO: 2023-3272

Engine L : page 1 of 1



FlyBoyz Aviation LLC · 3913 S Van Dyke Rd · Marlette, MI 48453 · 989-823-4273

N629MJ
TACH: 577.2AUSTRO, E4P(SERIES), S/N: E4P-C-00183
TTSN: 577.2

April 20, 2023

E4P(SERIES), ENGINE-L PN: E4P(SERIES), SN: E4P-C-00183, TT TACH: 577.2

Warmed engine to operating temperature. Drained engine oil, removed oil filter & inspected, no contaminants noted. Installed new MANN HU615/3x oil filter with O-rings. Checked antifreeze level, found ok. Serviced engine with 8L Castrol Edge 0W40. Installed P/N E4A-52-200-KIT - 200hr engine kit.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with FlyBoyz Aviation LLC under work order: 2023-3272.

Adam Ondrajka A&P/IA 3531616




FlyBoyz Aviation LLC · 3913 S Van Dyke Rd · Marlette, MI 48453 · 989-823-4273

N629MJ

PTT: 784.68

TACH: 623.3

September 16, 2023

MTV-6-R-C-F/CF194-80, MT PROPELLER PN: MTV-6-R-C-F/CF194-80, SN: P19NE.

1. Complied with Annual inspection/200hr/5yr inspection items on this Engine IAW Diamond DA62 AMM chapter 5 and MT Propeller Operation & Installation Manual ATA 61-20-48. I certify this PROPELLER has been inspected IAW a ANNUAL INSPECTION and was determined to be in airworthy condition.
2. No AD's due or apply at this time.

With respect to the work performed, this propeller has been inspected or repaired IAW FARs and appropriate service manuals and is approved for return to service. Details of work performed are on file with FlyBoyz Aviation LLC under work order: 2023-3295.

Adam Ondrajka A&P/IA 3531616



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							



FlyBoyz Aviation LLC · 3913 S Van Dyke Rd · Marlette, MI 48453 · 989-823-4273

N629MJ
ETT: 784.68

AUSTRO, S/N: E4P-C-00183

September 16, 2023

TACH: 623.3

ENGINE-L PN: UNDEFINED, SN: E4P-C-00183, TT TACH: 784.68

1. Complied with Annual inspection/200hr/5yr inspection items on this Engine IAW Diamond DA62 AMM chapter 5 and Austro Maintenance Manual. Topped off coolant tank. I certify this ENGINE has been inspected IAW a ANNUAL INSPECTION and was determined to be in airworthy condition.
2.
 - AD 2020-14-07 not due at this time. Due within 100hrs after windmilling restart
 - AD 2023-09-09 N/A no clamps on exhaust/turbo.
3. Service Bulletin determined N/A by S/N per MSB section 1.5. No further action required.
4. Downloaded 10hrs of engine data & sent to Austro. Complied with Austro Engine Mandatory Service Bulletin MSB-E4-003 Rev 30. Updated engine EECU software to version VC33_2P_07_26.
5. Austro Service Bulletin RSB-E4-038/1 not due until engine time 902hrs.
6. Austro Engine service bulletin MSB-E4-039 does not apply to this engine.

With respect to the work performed, this engine has been inspected or repaired IAW FARs and appropriate service manuals and is approved for return to service. Details of work performed are on file with FlyBoyz Aviation LLC under work order: 2023-3295.

Adam Ondrajka A&P/IA 3531616

Adm. J. P. [Signature]

WD: 2024-3232

Engine L - page 1 of 1



FlyBoyz Aviation LLC • 3913 S Van Dyke Rd • Marietta, MI 48453 • 989-823-4273

N629MJ
TACH: 623.3

AUSTRO, S/N: E4P-C-00183

May 25, 2024

TTSN: 784.68

ENGINE-L PN: UNDEFINED, SN: E4P-C-00183, TT TACH: 784.68

Warmed engine to operating temperature. Drained engine oil, removed oil filter & inspected, few flakes noted. Installed new MANN HU615/ oil filter with O-rings. Checked antifreeze level, found ok. Serviced engine with 8L Castrol Edge 0W40. Installed P/N E4A-52-200-KIT - 200 engine kit.

With respect to the work performed, this engine has been inspected or repaired IAW FARs and appropriate service manuals and is approved for return to service. Details of work performed are on file with FlyBoyz Aviation LLC under work order: 2024-3232.

Adam Ondrajka A&P/IA 3531616

John J. O'Neil

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

PTK-10277-09-2024 (12-06-2024)

Page 1 / 1

MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - L: AUSTRO
ENGINE MODEL - L: E4P-C
ENGINE SN - L: E4P-C-00183



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - L: 735.7

Engine - L Entries

- C/W AD 2020-22-14 Turbocharger Wastegate Control Rod (eff. 12/10/2020) - Found that this AD has been complied with by installing new parts as required by the AD - no further action required as spring-loaded circlip is installed.
- C/W AD 2024-05-01 Inner Main Bearing Cap Screws Strength Tolerance (eff. March 11, 2024) - Found N/A by engine and core S/N - no further action required.
- C/W AD 2024-19-10 Piston Cracks Leading To Engine Failure (eff. 10/9/2024) - Found N/A by Engine S/N and manufacture date - no further action required.

DATE: 12-06-2024

SIGNED:

Jeff Bowers
A&P Number: 2738624

WORK ORDER: PTK-10277-09-2024
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PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - L: AUSTRO
ENGINE MODEL - L: E4P-C
ENGINE SN - L: E4P-C-00183



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - L: 735.7

Engine - L Entries

- Replaced both RH and LH engines turbo wastegate controllers Circlips with new PN: E4A-41-100-801 (QTY 2), work done in reference to Austro Engines Maintenance Manual E4 Series Chapter 81-20.

DATE: 12-06-2024

SIGNED:

Ben Vroman
A&P Number: 4199194

WORK ORDER: PTK-10277-09-2024
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PTK-10277-09-2024 (12-06-2024)

Page 1 / 1

MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - L: AUSTRO
ENGINE MODEL - L: E4P-C
ENGINE SN - L: E4P-C-00183



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - L: 735.7

Engine - L Entries

- Removed and replaced LH engine fwd radiator hose with new hose P/N: DS HC1-45-0235. Replaced hose claps with new clamps P/N: Torro_30-45_9_1 (x4). Re-filled coolant system with new coolant and performed cooling system pressure test. No leaks or pressure decay found. Work done IAW Diamond DA62 AMM ch. 75-00-00.
- Replaced O-ring on LH engine cylinder had drain back line banjo fitting adaptor P/N: OR_7.8x3.2-ACM70. Replaced drain back line banjo fitting seal with new seals P/N: DIN7603-14x18x2.0. Work done IAW Austro E4 EMM 79-10-00.

DATE: 12-06-2024

SIGNED:

Lyle Bonney
A&P Number: 4135044

WORK ORDER: PTK-10277-09-2024
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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							

PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N 62.091
REG. NO: N629MJ
ENGINE MAKE - L: AUSTR0
ENGINE MODEL - L: E4P-C
ENGINE SN - L: E4P-C-00183



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - L: 735.7

Engine - L Entries

- Removed RH and LH engine V-belt and installed new belts, P/N: E4A-74-000-801 (Qty. 2).
- Removed LH crankcase breather flow valve and cleaned as required. Reinstalled flow valve.

DATE: 12-06-2024

SIGNED:

Jonathan Martin
A&P Number: 4765670

WORK ORDER: PTK-10277-09-2024

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PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N 62.091
REG. NO: N629MJ
ENGINE MAKE - L: AUSTR0
ENGINE MODEL - L: E4P-C
ENGINE SN - L: E4P-C-00183



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - L: 735.7

Engine - L Entries

- Completed Annual/ 300 hour Inspection in scope & detail of FAR 43 App. D using Diamond DA62 AMM 05-28-00 "Maintenance Checklist DA 62 Engines" checklist and Austro E4 EMM 05-20-00 "Scheduled Maintenance checks" checklist. Drained and took sample of engine oil to be sent to Spectro oil for analysis. Removed, inspected, and replaced engine oil filter. Drained gearbox gear oil, took sample, and strained through screen provided in kit. Inspected magnetic drain plug. No issues found. Replaced gearbox oil filter with new, P/N E4A-70-000-806. Replaced reaxbox oil filter lid O ring with new, P/N OR-26x2 FPM 70. Re-filled gearbox with new Shell Spirax S6 AXRME SAE 75W-90 gear oil as required. serviced engine with 7 liters of Castrol Edge European formula 0W-40 oil. Filter and seals provided from kit, P/N E4A-00-301-KIT. Downloaded last 3 hours of engine data, logs and fault coeds and sent to Austro engines. Performed post annual engine runs, leak and ops check good. Researched AD's thru bi-weekly 2024-24. I certify that this Engine has been inspected in accordance with an Annual Inspection and has been found to be in Airworthy condition.
- Removed high pressure fuel pump, P/N E4A-30-000-BHY, S/N 12-04-12-03-00329. Installed new high pressure fuel pump, P/N E4A-30-000-BHY, S/N 23-20-12-02-01675. Replaced banjo bolt sealing rings with new during installation, P/Ns DAIN7603-A12X16-AL (X2) and DIN7603-CU-12-16 (x2). Performed engine ground run and Banjo bolt torque check. No issues found. Safety wired fittings as required. Work done IAW Austro E4 EMM 73-10-03.
- LH engine- Replaced hose clamp on hose forward of coolant thermostat housing with new, P/N TORRO 30-45_9_W1. Performed cooling system pressure test, no leaks noted at this time. Work done IAW Diamond DA62 AMM 75-00.

PTK-10277-09-2024 (12-06-2024)

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DATE: 12-06-2024

SIGNED:

Sean Farrelly
IA Number: 3890041

WORK ORDER: PTK-10277-09-2024

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10663-07-2025 (07-18-2025)

Page 1 / 1

MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N 62.091
REG. NO: N629MJ
ENGINE MAKE - L: AUSTR0
ENGINE MODEL - L: E4P-C
ENGINE SN - L: E4P-C-00183



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: 10663-07-2025
DATE: 07-18-2025
A/C TT: 809.4
Hobbs:
ENG TT - L: 809.4

Engine - L Entries

- Drained and took sample of engine oil to be sent to Blackstone oil for analysis. Removed, inspected, and replaced engine oil filter. Serviced engine with 7 liters of Castrol Edge European formula 0W-40 oil. Filter and seals provided from kit, P/N E4A-51-300-KIT. Performed post MX engine runs, leak and ops check good. Work done IAW Austro A4 EMM 79-20-00.

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SINCE

DATE: 07-18-2025

SIGNED:

Sean Farrelly
A&P Number: 3890041

WORK ORDER: 10663-07-2025

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AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE DATA

1. Make Austro Engine GmbH
 2. Model E4P-C
 3. Specification E00081EN
 4. Manufacturer's Serial Number E4P-C-0018¹²4
 5. Date of Manufacture June 2018
-
-
-



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
ORGANIZATION161-93

Registration: N629MJ
Airframe Total Time: 31.4
Engine RH SN: E4P-C-00184

AC Serial Number: 62.091
Work Order: SO 071958
Engine RH TT: 31.4

- Engine E4P, S/N: E4P-C-00184, installed on Aircraft DA 62 S/N: 62.091, RIGHT
- Total Time Engine brought forward: 31.4 hrs
- EECU software installed: VC33_2P_06_21
- 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 2018-18
- 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



SEP 17 2018

Date



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

Registration: N629MJ
Airframe Total Time: 31.4
Engine RH SN: E4P-C-00184

AC Serial Number: 62.091
Work Order: SO 071958
Engine RH TT: 31.4

- Installed propeller unfeathering accumulators on LH and RH engines per Diamond approved Drawing No. D67-6116-00-00 Rev.A. & DA62 AMM Ch.61-20-00. OAM 62-030 (a) (Operation without Unfeathering Accumulators) no longer applicable to this Aircraft.
- Installed accumulator PN: P-893-3 SN: 18A072 on RH engine. Serviced with nitrogen per DA62 AMM Ch. 61-20-00.
- RH gear box oil level adjusted following accumulator install.
- Replaced RH coolant tank pressure relief valve PN: X11-0014-00-00.00.
- Ground runs and feather checks satisfactory.

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



Date: SEP 24 2018

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

Registration: N629MJ
Airframe Total Time: 96.5
Engine LH SN: E4P-C-00183
Engine LH TT: 96.5

AC Serial Number: 62 031
Work Order: SO 072068
Engine RH SN: E4P-C-00184
Engine RH TT: 96.5

- RH Engine 100 hour inspection carried out IAW AE-MM-E4.08.04
- New seals installed on banjo fitting under turbo, oil return line.
- FAA AD Bi-weekly check completed. All AD's found complied with.
- AD 2018-07-16 – Reciprocating Engine Supercharger found previously complied with

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

ACA



Date DEC 1 2 2018

NAME/
SIGNATURELICENCE:
AME or
AMO/ACA

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

Registration: N629MJ
Airframe Total Time: 188.4
Engine RH SN: E4P-C-00184

AC Serial Number: 62 091
Work Order: SO 072270
Engine RH TT: 188.4

The Following Maintenance Was Carried Out On RH Engine:

- Carried out 100 hr. engine inspection IAW Austro AMM E4.08.04 Rev. 27. and Diamond AMM 7.02.25 Rev. 1
- FAA AD Bi-weekly reviewed thru 2019-17.
- Replaced engine oil and filter. Serviced engine with 7L Aeroshell Diesel Ultra 5W30.
- Serviced gearbox per Austro check sheet.
- Replaced fuel filter.
- RH turbo charger replaced with new.
 - o Removed PN: E4C-00-410-000 SN: UA5029863000055
 - o Installed PN: E4C-00-410-000 SN: UJ5031027700057
- MSB E4-026 – inspection of engine harness carried out on RH engine. No faults found.
- Replaced RH engine induction air filter

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

ACA



Date AUG 2 9 2019

END.

1. Approving Competent Authority /Country Austro Control GmbH Austria		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AE027155	
4. Organisation Name and Address: Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wiener Neustadt, AUSTRIA				5. Work Order / Contract / Invoice ES190880		

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
1	cam chain	E4A-75-100-000 Iss.: 020 ✓	3	N/A	New
2	cam chain	E4A-75-100-000 Iss.: 020	12	N/A	New
3	system turbocharger and BPA	E4C-00-410-000 Iss.: AA2	1	UJ5031027700061	New
4	system turbocharger and BPA	E4C-00-410-000 Iss.: AA2	1	UJ5031027700057 ✓	New
5	system turbocharger and BPA	E4C-00-410-000 Iss.: AA2	1	UJ5031027700066 ✓	New
6	system turbocharger and BPA	E4C-00-410-000 Iss.: AA2	1	UJ5031027700037 ✓	New

12. Remarks
 Item 1: Batch No.: MBU000007142/1
 Item 2: Batch No.: MBU148075

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	14c. Certificate/ Approval Ref. Number
13d. Name	13e. Date (dd mmm yyyy) 27 MAR 2019	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.

Section 3A: Engine Service and Maintenance Log

DATE 1 / 1	TIME RUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BROUGHT FORWARD						

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)



1213 N Sandusky Rd, Suite B, Sandusky, MI 48471

c:(989) 823-4273 flyboyaviation@yahoo.com

Tach:	HOBBS: 302.2	Work Order: 2020-3083	Date: 9/1/2020
Engine TT 302.20	TSOH:	TSTOH:	Tail: N629MJ
Prop TT: 302.20	TSOH:		

performed ANNUAL/300hr INSPECTION on this R ENGINE IAW Diamond DA62 Maintenance Manual section 5 and Austro Maintenance Manual. Collected oil sample from gearbox & engine oil, sent out for analysis. Drained coolant system, removed propeller & gearbox. Removed & replaced TVD assy with new unit P/N E4PB-73-000-000-KIT S/N 1449. Reinstalled gearbox & propeller, torqued to specs. Reserviced gearbox oil, replaced coolant with new 50/50 mix. Replaced oil filter, cleaned gearbox filter. Cleaned air filter & reinstalled. Adjusted alignment of oil return line below turbo. I certify this engine has been inspected IAW a annual inspection & determined to be in airworthy condition.

AD's 2020-15-05 found PCW per AD 2018-07-16

2020-14-07 not due at this time Due Next 900hrs TT or 100hrs after windmill restart

MSB-E4-028 N/A by S/N

MSB 62-002 Rev 4/MSB-E4-003 Rev 25 Complied with ECU software update

Adam Ondrajka

A&P/IA 3531616

John J. Ondrajka



1213 N Sandusky Rd Suite B, Sandusky, MI 48471

c:(989) 823-4273 flyboyaviation@yahoo.com

Tach:	HOBBS: 329.1	Work Order: 2020-3175	Date: 11/19/2019
Engine TT	TSOH:	TSTOH:	Tail: N629MJ

Aircraft removed from service for the following maintenance:

Discrepancy: Starter will not engage to engine. Removed R engine starter for inspection & found snap ring broken/missing. Removed propeller, and gearbox to remove metal fragments from starter. Found TVD damaged. Removed and replaced TVD P/N E4PB-73-000-000-KIT S/N 03482 with new bolts E4A-73-000-801 batch number RC2008733. Reinstalled gearbox and propeller. Installed new starter P/N E4A-93-000-000 S/N RC2002377. Reserviced the coolant system & topped off the gearbox oil. Performed ops check with discrepancy no longer remaining. Work completed IAW Austro E4 Maintenance Manual and Diamond DA62 Maintenance Manual.

Work performed during this maintenance visit was completed IAW approved publications and all parts installed were determined to be approved for aircraft use prior to installation. Aircraft is returned to service after the previously stated maintenance.

Adam Ondrajka

A&P/IA 3531616

John J. Ondrajka



1213 N Sandusky Rd, Suite B, Sandusky, MI 48471

c:(989) 823-4273 flyboyaviation@yahoo.com

Tach:	HOBBS: 376.3	Work Order: 2021-3298	Date: 7/23/2021
Engine TT 376.30	TSOH:	TSTOH:	Tail: N629MJ
Prop TT: 376.30	TSOH:		

Performed ANNUAL/300hr INSPECTION on this R ENGINE IAW Diamond DA62 Maintenance Manual section 5 and Austro Maintenance Manual. Collected oil sample from gearbox & engine oil, sent out for analysis. Drained & serviced gearbox oil with Spirax 75W90, topped off coolant with new 50/50 mix. Drained engine oil & serviced with 7qts Castrol Edge 0W40. Replaced oil filter, cleaned gearbox filter. Replaced air filter. I certify this engine has been inspected IAW a annual inspection & determined to be in airworthy condition.

AD's 2020-14-07, 2020-15-05 Due after windmilling restart

Austro MSB-E4-029/1 Complied with Work Instruction WI-MSB-Ef-029 by installation of restrictors

Adam Ondrajka

A&P/IA 3531616

John J. Ondrajka

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1213 N Sandusky Rd, Suite B, Sandusky, MI 48471

c: (989) 823-4273 flyboyzaviation@yahoo.com

Tach:	HOBBS: 490	Work Order: 2022-3218	Date: 8/10/2022
Engine TT: 490.00	TSOH:	TSTOH:	Tail: N629MJ
Prop TT: 490.00	TSOH:		

LICENCE:
 AME of
 AMO/ACA

Performed ANNUAL/300hr INSPECTION on this R ENGINE. IAW Diamond DA62 Maintenance Manual section 5 and Austro Maintenance Manual. Collected oil sample from gearbox & engine oil, sent out for analysis. Topped off coolant with new 50/50 mix. Drained engine oil & serviced with 7qts Castrol Edge 0W40. Replaced oil filter, cleaned gearbox filter. Replaced air filter. I certify this engine has been inspected IAW a annual inspection & determined to be in airworthy condition.

AD's 2020-14-07, 2020-15-05 Due after windmilling restart
 2021-09-04, 2021-17-01, 2021-24-10, 2022-03-03 N/A by S/N
 Austro MSB-E4-003/26 Updated software to VC33_2P_07_25

Adam Ondrajka

A&P/IA 3531616

wo: 2023-3272

Engine R - page 1 of 1



FlyBoyz Aviation LLC - 3913 S Van Dyke Rd - Marlette, MI 48453 - 989-823-4273

N629MJ
TACH: 577.2AUSTRO, E4P(SERIES), S/N: E4P-C-00184
TTSN: 577.2

April 20, 2023

Warmed engine to operating temperature. Drained engine oil, removed oil filter & inspected. few flakes noted. Installed new MANN HU615:3x oil filter with O-rings. Checked antifreeze level, found ok. Serviced engine with 8L Castrol Edge 0W40. Installed P/N E4A-52-200-KIT - 200hr engine kit.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with FlyBoyz Aviation LLC under work order: 2023-3272.

Adam Ondrajka A&P/IA 3531616



FlyBoyz Aviation LLC - 3913 S Van Dyke Rd - Marlette, MI 48453 - 989-823-4273

N629MJ
ETT: 784.68AUSTRO, S/N: E4P-C-00184
TACH: 623.3

September 16, 2023

1. Complied with Annual inspection/200hr/5yr inspection items on this Engine IAW Diamond DA62 AMM chapter 5 and Austro Maintenance Manual. Topped off coolant tank. I certify this ENGINE has been inspected IAW a ANNUAL INSPECTION and was determined to be in airworthy condition.
2.
 - AD 2020-14-07 not due at this time. Due within 100hrs after windmilling restart
 - AD 2023-09-09 N/A no clamps on exhaust/turbo.
3. Service Bulletin determined N/A by S/N per MSB section 1.5. No further action required.
4. Downloaded 10hrs of engine data & sent to Austro. Complied with Austro Engine Mandatory Service Bulletin MSB-E4-003 Rev 30. Updated engine EECU software to version VC33_2P_07_26.
5. Austro Service Bulletin RSB-E4-038/1 not due until engine time 929hrs.
6. Austro Engine service bulletin MSB-E4-039 does not apply to this engine.

With respect to the work performed, this engine has been inspected or repaired IAW FARs and appropriate service manuals and is approved for return to service. Details of work performed are on file with FlyBoyz Aviation LLC under work order: 2023-3295.

Ondrajka A&P/IA 3531616

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)

Engine R - page 1 of 1

wo: 2024-3232



FlyBoy Aviation LLC - 3913 S Van Dyke Rd - Marlette, MI 48453 - 989-823-4273

N629MJ
TACH: 623.3

TTSN: 784.68

AUSTRO, S/N: E4P-C-00184

May 25, 2024

Warmed engine to operating temperature. Drained engine oil, removed oil filter & inspected, few flakes noted. Installed new MANN HU615/3x oil filter with O-rings. Checked antifreeze level, found ok. Serviced engine with 8L Castrol Edge 0W40.

With respect to the work performed, this engine has been inspected or repaired IAW FARs and appropriate service manuals and is approved for return to service. Details of work performed are on file with FlyBoy Aviation LLC under work order: 2024-3232.

Adam Ondrajka A&P/IA 3531616

PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - R: AUSTRO
ENGINE MODEL - R: E4P-C
ENGINE SN - R: E4P-C-00184



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - R: 735.7

Engine - R Entries

- C/W AD 2020-22-14 Turbocharger Wastegate Control Rod (eff. 12/10/2020) - Found that this AD has been complied with by installing new parts as required by the AD - no further action required as spring-loaded circlip is installed.
- C/W AD 2024-05-01 Inner Main Bearing Cap Screws Strength Tolerance (eff. March 11, 2024) - Found N/A by engine and core S/N - no further action required.
- C/W AD 2024-19-10 Piston Cracks Leading To Engine Failure (eff. 10/9/2024) - Found N/A by Engine S/N and manufacture date - no further action required.

DATE: 12-06-2024

SIGNED:

Jeff Bowers
A&P Number: 2738624

WORK ORDER: PTK-10277-09-2024
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PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - R: AUSTRO
ENGINE MODEL - R: E4P-C
ENGINE SN - R: E4P-C-00184



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - R: 735.7

Engine - R Entries

- Replaced both RH and LH engines turbo wastegate controllers Circlips with new PN: E4A-41-100-801 (QTY 2), work done in reference to Austro Engines Maintenance Manual E4 Series Chapter 81-20.
- RH engine- Replaced forward radiator hose lower clamps with new, P/N Torro_30-45_9_W1 (x2). Pressure checked cooling system. No leaks or pressure decay noted. Work done IAW Diamond DA62 AMM 75-00.

DATE: 12-06-2024

SIGNED:

Ben Vroman
A&P Number: 4199194

WORK ORDER: PTK-10277-09-2024
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AMO/ACA

PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - R: AUSTRO
ENGINE MODEL - R: EAP-C
ENGINE SN - R: EAP-C-00184



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - R: 735.7

Engine - R Entries

- Replaced seals to oil filter return line with new seals P/N: DIN7603-A12x16-AL.
- Replaced gasket for RH engine turbo return line P/N: 4A-05-000-104. Replaced seals on turbo oil return baffle fitting P/N: DIN 7603-C 14x18-CuFr. Replaced seals on turbo oil feed baffle fitting P/N: DIN_7603-CU-12-16-A. Replaced seals to oil filter return line with new seals P/N: DIN7603-A12x16-AL.

DATE: 12-06-2024

SIGNED:

Lyle Bonney
A&P Number: 4135044

WORK ORDER: PTK-10277-09-2024

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PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - R: AUSTRO
ENGINE MODEL - R: EAP-C
ENGINE SN - R: EAP-C-00184



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - R: 735.7

Engine - R Entries

- Removed RH and LH engine V-belt and installed new belts. P/N: EAA-74-000-801 (Qty: 2).

DATE: 12-06-2024

SIGNED:

Jonathan Hapkin
A&P Number: 4765670

WORK ORDER: PTK-10277-09-2024

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PTK-10277-09-2024 (12-06-2024)

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MAKE: Diamond Aircraft Ind
MODEL: DA62
S/N: 62.091
REG. NO: N629MJ
ENGINE MAKE - R: AUSTRO
ENGINE MODEL - R: EAP-C
ENGINE SN - R: EAP-C-00184



Waterford Aviation, Inc.
6548 Highland Rd
Suite 900
Waterford, MI 48327

W/O #: PTK-10277-09-2024
DATE: 12-06-2024
A/C TT: 735.7
Hobbs:
ENG TT - R: 735.7

Engine - R Entries

- Completed Annual/ 300 hour inspection in scope & detail of FAR 43 App. D using Diamond DA62 AMM 05-28-00 "Maintenance Checklist DA 62 Engines" checklist and Austro E4 EMM 05-20-00 "Scheduled Maintenance checks" checklist. Drained and took sample of engine oil to be sent to Spectro oil for analysis. Removed, inspected, and replaced engine oil filter. Drained gear box oil, took sample, and strained through screen provided in kit. Inspected magnetic drain plug. No issues found. Replaced gearbox oil filter with new, P/N E4A-70-000-806. Replaced reargear oil filter lid O ring with new, P/N OR-26x2 FPM 70. Re-filled gearbox with new Shell Spirax S6 AXRME SAE 75W-90 gear oil as required, serviced engine with 7 liters of Castrol Edge European formula 0W-40 oil. Filter and seals provided from kit. P/N E4A-00-301-KIT. Downloaded last 3 hours of engine data, logs and fault codes and sent to Austro engines. Performed post annual engine runs, leak and ops check good. Researched AD's thru bi-weekly 2024-24. I certify that this Engine has been inspected in accordance with an Annual inspection and has been found to be in Airworthy condition.

DATE: 12-06-2024

SIGNED:

Sean Farrelly
IA Number: 3890041

WORK ORDER: PTK-10277-09-2024

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Section 3A: Engine Service and Maintenance Log

DATE		TIME		CYCLES		Page 1 / 1		PERFORMED (REPLACEMENT)	
10663-07-2025 (07-18-2025)		MAKE: Diamond Aircraft Ltd		MODEL: DA62		S/N: 62.091		REG. NO: N629MJ	
ENGINE MAKE - R: AUSTRO		ENGINE MODEL - R: E4P-C		ENGINE SN - R: E4P-C-00184		Waterford Aviation, Inc.		6548 Highland Rd	
Suite 900		Waterford, MI 48327		W/O #: 10663-07-2025		DATE: 07-18-2025		A/C TT: 809.4	
Hobbs:		ENG TT - R: 809.4		WORK ORDER: 10663-07-2025		Printed by EBS (EBScloud.com)			
Engine - R Entries		Drained and took sample of engine oil to be sent to Blackstone oil for analysis. Removed, inspected, and replaced engine oil filter. Serviced engine with 7 liters of Castrol Edge European formula 0W-40 oil. Filter and seals provided from kit, P/N E4A-52-300-KIT. Performed post MX engine runs, leak and ops check good. Work done IAW Austro A4 EMM 79-20-00.							
DATE: 07-18-2025		SIGNED: Sean Farrelly		A&P Number: 3890041					
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