

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-06603 |
| 5. Date of Manufacture: | FEBRUARY 11 2025 |
| 6. Aircraft Inspection Cycle: | |

1. Approving Competent Authority / Country Austro Control GmbH Austria		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AE053179	
4. Organisation Name and Address Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wr. Neustadt, AUSTRIA				5. Work Order / Contract / Invoice ES250476		
6. Item	7. Description	8. Part No.	9. Quantity	10. Serial No.	11. Status / Work	
1	E4PC Engine	E4PC-00-000-BHY Iss. 008	1	E4P-C-06603	New	
12. Remarks General The engine conforms to the type design approved by Canadian Department of Transport Type Certificate IE-68. Item 1 The engine conforms to EASA TCDS E.200 Issue 12; Damper assy P/N: D44-7306-30-00_1 (EASA Form1: AJ99400). Item 1 For compliance with airworthiness directives or service bulletins refer to engine log. Item 1 Fuel hose assy P/N: A24119-01 (EASA Form1: 251165). Cleaned and installed acc. AE APA_Pulsationsdämpfer-Aufbau_190618. Item 1 Pistons p/n E4A-72-400-000 Rev. AD3 are installed with a life time limitation to 900FH.						
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) 11 FEB 2025		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.						

EASA Form 1 - 21 Issue 2
Freigegeben: 02.07.2024 | M. Ernstberger

FOQ05_Form 1

Rev. 2

ENGINE LOG

Austro Engine GmbH

E4P-C

E00081EN

E4P-C-06603

FEBRUARY 11 2025

umber:

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Section 3A: Engine Service and Maintenance Log



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

Registration: N286LA
AC Serial Number: 62.C102
LH Engine Serial Number: E4P-C-06603
RH Engine Serial Number: E4P-C-06602
LH Prop Serial Number: 241933
RH Prop Serial Number: 241932
Airframe Total Time: 4.7 HRS

- LH Engine Total Time brought forward from Production Test Flight Journey Log (DAI - Form Q-224): 4.7 HRS
- LH Engine installed new on Aircraft DA 62, S/N: 62.C102
- Bi-weekly AWD check carried out to current revision 2025-10 all applicable AD's complied with, see attached.
- The work described above was carried out in accordance with the applicable Standard of Airworthiness.

Inspector

MAY 20 2025

date

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AMO 161-93

Aircraft Reg: N286LA
Work Order: S0075396

Date: June 26, 2025

	Model	Make	SN	TSN:	
Airframe	Diamond	DA 62	62.C102	TSN:	4.7 Hrs.
LH Engine	Austro	E4P-C	E4P-C-06603	TSN:	4.7 Hrs.
RH Engine	Austro	E4P-C	E4P-C-06602	TSN:	4.7 Hrs.
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241933	TSN:	4.7 Hrs.
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241932	TSN:	4.7 Hrs.

The following work has been performed:

- LH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO 161-93 Form One Tracking # RO-4975:
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00082 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: XDQQ, #2 SN: XDO2, #3 SN: XDJ3, #4 SN: XDKE
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's & FAA AD's:
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6.2
- LH Engine and propeller removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant PN: 10012425.
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod replacement and engine reinstallation:
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak check. Found serviceable.
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance reading: 0.120 IPS @ 2000 RPM.

An independent inspection has been carried out on the engine controls affected by the work performed.

Signature:

ACA:



The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Signature:

ACA:



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Section 3A: Engine Service and Maintenance Log



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

Registration:
AC Serial Number:
LH Engine Serial Nu
RH Engine Serial Nu
LH Prop Serial Num
RH Prop Serial Num
Airframe Total Time:

- LH Engine Total Time brought forward from Production Test Flight Journey I
- LH Engine installed new on Aircraft DA 62, S/N: 62.C102
- Bi-weekly AWD check carried out to current revision 2025-10 all applica attached.
- The work described above was carried out in accordance with the applicable

Inspector

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AMO 161-93
Aircraft Reg: N286LA
Work Order: S0075396

	Model	Make	SN
Airframe	Diamond	DA 62	62.C102
LH Engine	Austro	E4P-C	E4P-C-06603
RH Engine	Austro	E4P-C	E4P-C-06602
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241933
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241932

- The following work has been performed:
- LH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO 161-93
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00082 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: XDQQ, #2 SN: XDO2, #3 SN: XDJ3, #4 SN: XDKE
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6.2
 - LH Engine and propeller removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant PN:
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak cl
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance readin

An Independent inspection has been carried out on the engine controls affected by the w

Signature:

ACA:

The maintenance described above has been performed in accordance with the applicable stand

Signature:

ACA:



1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE Form One			3. Form Tracking Number: RO-4975	
4. Organizations Name and Address: DIAMOND AIRCRAFT INDUSTRIES INC. 1560 CRUMLIN SIDEROAD, LONDON, ONTARIO CANADA N5V 1S2					5. Work Order/Contract/Invoice SO075396	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Austro Engine	E4P-C-00-000-BHY	1	E4P-C-06603	Repaired	
12. Remarks: Piston/Conrod replacement carried out IAW Austro M.M. E4.08.04 Rev. 32 Ch. 85-30-00 (5). Piston replacement kit PN: E4A-72-300-KIT SN: 00082 installed, Piston PN installed: E4A-72-300-000. Piston SN installed: #1 SN: XDQQ, #2 SN: XDO2, #3 SN: XDJ3, #4 SN: XDKE. Piston/Conrod replacement as stated above constitutes terminating action for the following MSB's & FAA AD's: Austro MSB-E4-039/4 IAW Sec. 2.0 FAA AD 2025-02-12 IAW Sec. (h) Austro MSB-E4-043/2 IAW Sec. 1.6.2 All engine fluids will need to be filled to the appropriate levels before ground runs are performed. The following engine operational checks and inspections to be performed following engine reinstallation: #1: CA-CR angle test IAW Austro M.M. E4.08.04 Rev. 32 CH 85-40-00(5), #2 break-in-procedure & power evaluation IAW Austro M.M. E4.08.04 Rev. 32 CH 05-06-00(6), #3 compression check IAW Austro M.M. E4.08.04 Rev. 32 CH 05-06-00(2). After ground run the following needs to be re-torqued and lock wired IAW Austro M.M. E4.08.04 Rev. 32. HPP banjo bolt of the fuel return line IAW Austro M.M. E4.08.04 Rev. 32 CH 73-10-03(8). Turbocharger oil supply line banjo bolt IAW Austro M.M. E4.08.04 Rev. 32 CH 79-20-00(8). Turbocharger oil return line banjo bolt at oil sump IAW Austro M.M. E4.08.04 Rev. 32 CH 79-20-00(9).						
13a. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.				14a. ☒ CAR 571.10 Maintenance Release ☐ Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i> .		
13b. Signature		13c. Approval Organization Number		14b. Signature 		14c. Approved Organization Number AMO 161-93
13d. Name		13e. Date (dd/mm/yy):		14d. Name: John Kennedy		14e. Date (dd/mm/yyyy): 17/JUN/2025
30 Dec 2008(Previously form 24-0078)						
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

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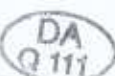
Section 3A: Engine Service and Maintenance Log

A1

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

Registration:
AC Serial Number:
LH Engine Serial Nur
RH Engine Serial Nui
LH Prop Serial Numb
RH Prop Serial Numt
Airframe Total Time:

- LH Engine Total Time brought forward from Production Test Flight Journey I
- LH Engine installed new on Aircraft DA 62, S/N: 62.C102
- Bi-weekly AWD check carried out to current revision 2025-10 all applica attached.
- The work described above was carried out in accordance with the applicable

 
Inspector

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Diamond
AIRCRAFT+

AMO 161-93

Aircraft Reg: N286LA
Work Order: S0075396

	Model	Make	SN
Airframe	Diamond	DA 62	62.C102
LH Engine	Austro	E4P-C	E4P-C-06603
RH Engine	Austro	E4P-C	E4P-C-06602
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241933
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241932

The following work has been performed:

- LH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00082 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: XDQQ, #2 SN: XDO2, #3 SN: XDJ3, #4 SN: XDKE
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6,2
- LH Engine and propeller removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant PN:
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak ci
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance readin

An independent inspection has been carried out on the engine controls effected by the w

Signature: 

ACA: 

The maintenance described above has been performed in accordance with the applicable stand

Signature: 

ACA: 

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1. Approving Competent Authority / Country Austro Control GmbH Austria		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1		3. Form Tracking Number AE054031	
4. Organisation Name and Address Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wr. Neustadt, AUSTRIA		5. Work Order / Contract / Invoice ES251517			
6. Item	7. Description	8. Part No.	9. Quantity	10. Serial No.	11. Status / Work
1	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00049,00050,00051,00052,00053	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00054,00055,00056,00057,00058	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00059,00060,00061,00062,00063	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00064,00065,00066,00067,00068	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00069,00070,00071,00072,00073	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00074,00075,00076,00077,00078	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00079,00080,00081,00082,00083	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00084,00085,00086,00087,00088	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00089,00090,00091,00092,00093	New
	KS Piston replacement Kit	E4A-72-300-KIT Iss. 000	5	00094,00095,00096,00097,00098	New
12. Remarks Item 1 Pistons with p/n E4A-72-300-000 are installed Item 1 Parts contained in the KIT, see attached Scope of Supply					
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					
13b. Authorised Signature 		13c. Approval /Authorisation Number AT.21G.0010		13d. Name 	
13e. Date (dd mmm yyyy) 24 APR 2025		13f. Date (dd mmm yyyy)		13g. 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.					

EASA Form 1 - 21 Issue 2

Freigegeben: 02.07.2024 | M. Ernstberger

FOQ05_Form1

Rev. 2

Section 3A: Engine Service and Maintenance Log



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

Registration:
AC Serial Number:
LH Engine Serial Nur
RH Engine Serial Nui
LH Prop Serial Numb
RH Prop Serial Numt
Airframe Total Time:

- LH Engine Total Time brought forward from Production Test Flight Journey I
- LH Engine installed new on Aircraft DA 62, S/N: 62.C102
- Bi-weekly AWD check carried out to current revision 2025-10 all applica attached.
- The work described above was carried out in accordance with the applicable



Inspector

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AMO 161-93

Aircraft Reg: N286LA
Work Order: S0075396

	Model	Make	SN
Airframe	Diamond	DA 62	62.C102
LH Engine	Austro	E4P-C	E4P-C-06603
RH Engine	Austro	E4P-C	E4P-C-06602
LH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241933
RH Prop	MT-Propeller	MTV-6-R-C-F/CF194-80	241932

- The following work has been performed:
- LH engine Piston/Conrod replacement performed at this time. Reference Diamond Aircraft Industries Inc. AMO
 - Piston replacement kit PN: E4A-72-300-KIT SN: 00082 installed:
 - Piston PN installed: E4A-72-300-000
 - Piston SN installed: #1 SN: XDQQ, #2 SN: XDO2, #3 SN: XDJ3, #4 SN: XDKE
 - Piston/Conrod replacement as noted above constitutes terminating action for the following MSB's
 - Austro MSB-E4-039/4 IAW Sec. 2.0
 - FAA AD 2025-02-12 IAW Sec. (h)
 - Austro MSB-E4-043/2 IAW Sec. 1.6.2
 - LH Engine and propeller removed and reinstalled to facilitate Piston/Conrod replacement.
 - Engine serviced with 7 L aeroshell diesel ultra 5W30 oil.
 - Coolant system serviced with 50/50 mix distilled water and Glysantin Protect Plus G48 coolant PN:
 - Gearbox serviced with Spirax S6 GXME 75W oil.
 - The following engine operational checks and inspections were performed following Piston/Conrod
 - CA-CR angle test, break-in-procedure, power evaluation, compression check, & leak ci
 - Propeller dynamic balance carried out at this time. No weight added. Final dynamic balance readin

An independent inspection has been carried out on the engine controls effected by the w

Signature:  ACA: 

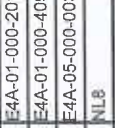
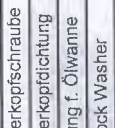
The maintenance described above has been performed in accordance with the applicable stand

Signature:  ACA: 



Scope of Supply

Description / Version	Part number
KS Piston replacement Kit	E4A-72-300-KIT
Job number:	Date (DDMMYY)
EWO251258	25.03.25
Serial No.:	00082

Parts not installed				Outgoing Check		Customer Check
Qty.	Description	Part Number	Rev.	S/N or Batch No.	Stamp	
1	Zylinderkopfschraube	E4A-01-000-201	AA1	W0278185		
2	Zylinderkopfdichtung	E4A-01-000-409	AA1	36454892		
3	Dichtung f. Ölwanne	E4A-05-000-003	AA1	1262056022		
4	Nordlock Washer	NL8	000	G9290-1		
5	ZB Kolben	E4A-72-300-000	AA3	20159723		
6	ZB Pleuel	E4A-72-500-000	AB2	XDJ3, XDKE, XDO2, XD		
7	Pleuellager untere Hälfte	E4A-72-500-415	AA4	428663		
8	Pleuellager obere Hälfte	E4A-72-500-414	AA4	428664		
9	O-Ring 16x3 ACM	DIN3771-16X3-ACM70	AA1	8063305		
10	O-Ring	E4A-76-400-401	AB1	10573548		
11	O-Ring 9X2 5-FPM75	OR_9X2 5-FPM75	AA1	3120716		
12	O-Ring 6X2 FPM75	OR_6X2-FPM75	000	3122679		
13	Dichtung AU 60ACM	E4A-01-000-401	AA2	0023531254		
14	Dichtung IN 60ACM	E4A-01-000-402	AA2	0025116040		

Staff:	Date: (DDMMYY)	Sign:	Stamp:
	25 MAR 2025		
Staff:	Date: (DDMMYY)	Sign:	Stamp:

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Section 3B: Record of Engine Airworthiness Directives (A/D) and Service Bulletins

B1

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