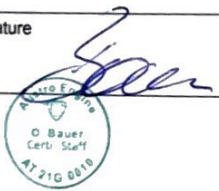



LH

# AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG # 1

1. Approving Competent Authority /Country <b>Austro Control GmbH Austria</b>		<b>AUTHORISED RELEASE CERTIFICATE EASA FORM 1</b>				3. Form Tracking Number <b>AE028198</b>	
4. Organisation Name and Address:		<b>Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wiener Neustadt, AUSTRIA</b>				5. Work Order / Contract / Invoice <b>ES191601</b>	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work		
1	E4PC Engine	E4PC-00-000-000 Iss.: 004	1	E4P-C-00265	New		
12. Remarks							
<p>General: The engine conforms to the type design approved by Canadian Department of Transport Type Certificate IE-68.</p> <p>General: The engine complies with the applicable airworthiness directives</p> <p>Item 1: The Engine conforms to EASA TCDS E.200 Issue 10; Damper assy P/N: D44-7306-30-00_1 (EASA Form1: AJ48442) and</p> <p>Item 1: Fuel hose assy P/N: A24119-01 (EASA Form1: 220832) acc. DAI-Drawing D44-7306-00-00 item #16 &amp; #17 cleaned and installed acc AE APA 26.02.2014</p>							
13a. Certifies that the items identified above were manufactured in conformity to:				14a. <input type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other regulation specified in block 12			
<input checked="" type="checkbox"/> approved design data and are in condition for safe operation  <input type="checkbox"/> non-approved design data 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		14b. Authorised Signature		14c. Certificate/ Approval Ref. Number	
 		AT.21G.0010		<del>           14b. Authorised Signature             14d. Name         </del>		<del>           14c. Certificate/ Approval Ref. Number             14e. Date (dd mmm yyyy)         </del>	
13d. Name		13e. Date (dd mmm yyyy)					
		12 JUN 2019					
<b>USER / INSTALLER RESPONSIBILITIES</b> 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



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

Registration: N502LA  
AC Serial Number: 62.C022  
LH Engine Serial Number: E4P-C-00265  
RH Engine Serial Number: E4P-C-00266  
LH Prop Serial Number: 190626  
RH Prop Serial Number: 190628  
Airframe Total Time: 4.7 HRS

- LH Total Time Engine 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.C022
- The following STC's are incorporated:
  - No STC's incorporated
- Bi-weekly AWD check carried out to current revision 2020-04 all applicable AD's complied with, see attached.
- The work described above was carried out IAW the applicable Standard of Airworthiness.

 **DA Q 8**  
Inspector

FEB 26 2020  
date

(Intentionally left blank below this point)

ENGINE MODEL: AE330  
ENGINE S/N (L): E4P-C-00265  
REG. NO: N502LA  
WORK ORDER: 0129



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

DATE: 08/20/20  
AC TSN: 95.5  
ENG TT: 1.95.5  
FLIGHTTIME: 95.5

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

DATE: 8/6/2020  
SIGNED:   
Chad Cox, License: AP3782800

Work Order: 0129  
Printed by EBis 3 (datamedia.com)

ENGINE MODEL: AE330  
ENGINE S/N (L): E4P-C-00265  
REG. NO: N502LA  
WORK ORDER: 0250




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

DATE: 4/15/2021  
AC TSN: 187.1  
ENG TT: 1.187.1  
FLIGHTTIME: 187.1

- 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 #1 top exhaust nut

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

DATE: 4/15/2021  
SIGNED:   
David Seastead, License: AP3492477 IA

Work Order: 0250  
Printed by EBis 3 (datamedia.com)

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ENGINE MODEL AE330  
ENGINE S/N (L): E4P-C-00265  
REG NO N502LA  
WORK ORDER: 0562



### Premier Aircraft Service, Inc.

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

DATE: 5/11/2022  
A/C TSN: 274.5  
ENG TT (L): 274.5  
FLIGHTTIME: 274.5

#### 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
- Performed 300hr gearoil and filter change
- Performed 300hr Injector Cover Zonal Inspection
- Performed 300hr Alternator Inspection
- Performed 300hr TVD Inspection

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

DATE: 5/11/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0562

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: AE330  
ENGINE S/N (L): E4P-C-00265  
REG NO N502LA  
WORK ORDER: 0575



### Premier Aircraft Service, Inc.

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

DATE: 5/11/2022  
A/C TSN: 274.5  
ENG TT (L): 274.5  
FLIGHTTIME: 274.5

#### Left Engine Entries

- MSB-E4-029 - Installed BPA restrictor
- Replaced turbo and head drain gaskets
- Replaced oil filter housing return o-ring
- Replaced turbocharger with new E4C-00-410-000-BHY

DATE: 5/11/2022

SIGNED:

Chad Cox, License: AP3782800 IA

Work Order: 0575

Printed by EBis 3 (datcomedia.com)



Going your way every day since 1957  
Left Engine Logbook Entry

Date: 11-30-2022  
TSMOH: 377.2

Aircraft: N502LA  
TTAF: 377.2

SN: 62C022  
Tach: 377.2

Complied with 100 hour inspection on the engines per Austro Engines Maintenance manual chapter 5 requirements. this date. Oil and filter changed using Aeroshell Diesel Ultra and 100 hour kit p/n E4A-52-000-KIT. Cleaned the gearbox filter and replaced gearbox oil with Shell Spirex S6 GXME 75W-80. Tied up misc wiring. I certify that this engine was inspected in accordance with an 100 hour inspection and was determined to be in airworthy condition.

A&P3296474IA

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

# Section 3A: Engine Service and Maintenance Log

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FOR



Going your way every day since 1957  
Aircraft Logbook Entry

Date: 2-16-2023  
TSMOH: 391.7

Aircraft: N502LA  
TTAF: 391.7

SN: 62.C022  
Tach: 391.7

Annual inspection completed this date. AD's checked thru CD2023-02. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

CHARTER - AIRCRAFT MANAGEMENT - FULL SERVICE FBO - MAINTENANCE

Don Davis Aviation, Inc - 2154 Hwy 136 West - Henderson, KY 42420 - Telephone 270 826 6000 - Fax 270 826 6040

MAKE: DIAMOND  
MODEL: DA62  
S/N: 62.C022  
REG. NO: N502LA  
SN - L: E4P-C-00265



Aero City Maintenance  
2901 East Spring St. Suite A  
LONG BEACH, California 90806

W/O # 4608  
DATE 09-27-2024  
A/C Tach: 570.9  
ENG TT - L 570.9

## LEFT ENGINE Entries

- Complied with 100Hr/Annual inspection using Diamond aircraft chapter 5 maintenance manual and FAR part 43 appendix D as a guide. Engine oil drained, oil filter removed and inspected with no defects noted. service engine oil with Shell Diesel Ultra and 100hr service kit PN: E4A-52-000-KIT.
- All applicable Airworthiness Directives have been researched through bi-weekly issue 2024-18
- Performed LH engine 300/600 hour inspection and servicing as required using Austro E4.08.04R31 MM as a guide. Replaced LH engine flywheel PN: E4PB-73-000-000-KIT SN: 08215 (old SN: 03254) and wastegate circlip for 600 hour replacement using Austro E4.08.04R31 MM as a guide. Replaced High pressure pump PN: E4A-30-000-BHY SN: 23-10-12-02-01519 (old SN: 12-04-02-06-00021) due to 600hr life limit using Austro E4.08.04R31 MM as a guide. Operation/leak check good. Next replacement due: 1170.9
- Replaced LH oil inlet drain and injector cover drain seals using Austro MM Ch. 79 as a guide. Operation/leak check good.
- Replaced LH engine exhaust shock mount PN: 597205 due to break using Diamond DA62 AMM Ch. 78-10 as a guide.

I certify that this Aircraft has been inspected in accordance with Annual inspection checklist and was determined to be in airworthy condition.

DATE: 09-27-2024

SIGNED:

Jonathan Shea  
Cert: AP 3823821 IA

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