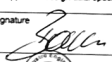



AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

1. Approving Competent Authority Country: Austro Control GmbH Austria		2. AUTHORISED RELEASE CERTIFICATE EASA FORM 1			3. Form Tracking Number AE028199	
4. Organisation Name and Address: Austro Engine GmbH Rudolf Diesel Straße 11 2700 Wiener Neustadt, AUSTRIA				5. Work Order / Contract / Invoice ES191602		
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work	
1	E4PC Engine	E4PC-00-000-0001s: 004	1	E4P-C-00266	New	
12. Remarks General: The engine conforms to the type design approved by Canadian Department of Transport Type Certificate IE-68. General: The engine complies with the applicable airworthiness directives. Item 1: The Engine conforms to EASA TCDS E.200 Issue 10, Damper assy P/N: D44-7306-30-00_1 (EASA Form: AJ48442) and Item 1: Fuel hose assy P/N: A24119-01 (EASA Form1: 220832) acc. DAI-Drawing D44-7306-00-00 Item #16 & #17 cleaned and installed acc AE APA 26.02.2014						
13a. Certifies that the items identified above were manufactured in conformity to: <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		14a. <input type="checkbox"/> Part-145 A.50 Release to Service <input type="checkbox"/> 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) 13 JUN 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.						

EASA Form 1 - 21 Issue 2

Replaces: 24 Aug. 2010 / M. Nemer:

FOQ05_fm1_rev1

ENGINE LOG

Austro Engines GmbH

E4P-C

E00081EN

E4P-C-00266

JUNE 13 2019

Jumber:

le:



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: 190628
RH Prop Serial Number: 190628
Airframe Total Time: 4.7 HRS

- RH Total Time Engine Brought forward from Production Test Flight Journey Log (DAI - Form Q-224): 4.7 HRS
- RH Engine installed new on Aircraft DA 62, SN: 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.



FEB 26 2020

date

(Intentionally left blank below this point)

ENGINE MODEL AE330
ENGINE SN (R): E4P-C-00266
REG. NO. N502LA
WORK ORDER: 0129



Premier Aircraft Sales, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 8/6/2020
AC TSN: 95.6
ENG TT (R): 95.6
FLIGHTTIME: 95.6

Right 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

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ENGINE MODEL AE330
ENGINE SN (R): E4P-C-00266
REG. NO. N502LA
WORK ORDER: 0250



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/15/2021
AC TSN: 187.1
ENG TT (R): 187.1
FLIGHTTIME: 187.1

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: 4/15/2021

SIGNED

David Seastead, License: AP3462477 IA

Work Order: 0250

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TOTALS
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ENGINE MODEL AE330
ENGINE SN (R): E4P-C-00266
REG. NO. N502LA
WORK ORDER: 0549



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 4/8/2022
AC TSN: 270.8
ENG TT (R): 270.8
FLIGHTTIME: 270.8

Right Engine Entries

- Replaced HPP with new SN 21-07-08-02-00275
- Replaced fuel rail with serviceable assembly TSN 148.0
- Replaced injectors with new: IGA, AP8GEE, 6RRB2S, 7ZRDYI, ARHADW

DATE: 4/8/2022

SIGNED

David Seastead, License: AP3462477 IA

Work Order: 0549

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ENGINE MODEL AE330
ENGINE SN (R): E4P-C-00266
REG. NO. N502LA
WORK ORDER: 0562



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 5/11/2022
AC TSN: 274.5
ENG TT (R): 274.5
FLIGHTTIME: 274.5

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
- 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

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ENGINE MODEL AE330
ENGINE SN (R): E4P-C-00266
REG. NO. N502LA
WORK ORDER: 0575



Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 185
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 5/11/2022
AC TSN: 274.5
ENG TT (R): 274.5
FLIGHTTIME: 274.5

Right Engine Entries

- MSB-E4-029 - Installed BPA restrictor
- Replaced turbo and head drain gaskets
- Replaced oil separator return piping

DATE: 5/11/2022

SIGNED

Chad Cox, License: AP3782800 IA

Work Order: 0575

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27 June 2022
Tach Time: 288.9
Total Time: 288.9

RIGHT POWERPLANT

N502LA
AUSTR0 E4P
SN: E4P-C-00266

- Tested wastegate controller per Austro engine maintenance manual, section 81/E4 08.04 Rev 30 using regulated air pressure, wastegate function normal and within limits
- Inspected BPA (Boost Pressure Restrictor) restrictor/bled for contamination, all clear at this time
- R/R boost pressure electronic actuator control regulator per Austro maintenance manual, part mfg. description/ Electronic Change-over Valve 24V, p/n: E4A-41-300-801, Lot#RC2200699
- Found gasket missing from engine manifold flange to inlet of turbocharger. Removed engine manifold and lapped mating surfaces for trueness of mating surfaces, replaced all exhaust manifold gaskets to engine block, p/n: EYA-04-000.001 installed new mounting manifold nuts p/n: ISO7044-MS-B-LV, torqued per austro engine maintenance manual
- R/R gasket, upper engine manifold to inlet turbo, p/n: E4A-04-000-002
- R/R turbo outlet exhaust flange to tailpipe, p/n: EYA-04-000-003
- R/R all four bolts securing exhaust manifold outlet to turbo inlet with new, p/n: E4A-04-000-806
- Installed eight missing conical washers, p/n: E4A-04-000-804 & p/n: E4A-04-000-805 on exhaust manifold outlet flange to turbo inlet on four mounting bolts
- Torqued all nuts and bolts using Austro engine maintenance manual as approved data and procedures
- Ran engine and checked for turbo operation, engine exhaust, oil and coolant leaks, none found at this time
- Test Flight this date, okay to return to service

Kim Kevin Matthews AP26200711A

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

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



Going your way every day since 1957

Right Engine Logbook Entry

Date: 11-30-2022
TSMOH: 377.2

Aircraft: N502LA
TTAF: 3772

SN: 62C022
Tach: 377.2

Complied with 100 hour inspection on the engines per Austro Engines Maintenance manual chapter 5 requirements. Replaced 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. Replaced prop drive nozzle with new p/n 15525-03. I certify that this engine was inspected in accordance with an 100 hour 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



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

ENGINE MODEL AE330
ENGINE S/N (R) E4P-C-00266
REG NO N502LA
WORK ORDER 0815



Premier Aircraft Service, Inc.

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

DATE 4/12/2023
A/C TSN 422 7
ENG TT (R) 422 7
FLIGHTTIME 422 7

Right Engine Entries

- Replaced wastegate actuator
- Replaced boost pressure actuator

DATE: 4/12/2023

SIGNED

Chad Cox, License AP3782800 IA

Work Order: 0815

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