

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE LOG

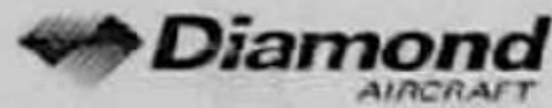
1. Make:	Austro Engine GmbH	—
2. Model:	E4P-C	—
3. Specification:	E00081EN	—
4. Manufacturer's Serial Number:	E4P-C-00187	—
5. Date of Manufacture:	July, 2018	—
6. Aircraft Inspection Cycle:		—



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
ORGANIZATION 161-93

Registration: N691DA
Airframe Total Time: 30.5
Engine LH SN: E4P-C-00187

AC Serial Number: 62.093
Work Order: SO 071958
Engine LH TT: 30.5

- Engine E4P, S/N: E4P-C-00187, installed on Aircraft DA 62 S/N: 62.093, LEFT
- Total Time Engine brought forward: 30.5 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 2018-20
- 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



OCT 11 2018

Date: _____



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

Registration: N691DA
Airframe Total Time: 30.5
Engine LH SN: E4P-C-00187
Engine LH TT: 30.5
Prop LH SN: 189336
Prop LH TT: 30.5

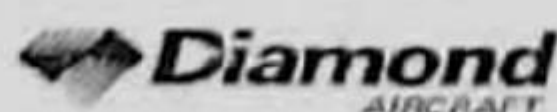
AC Serial Number: 62.093
Work Order: SO 071958
Engine RH SN: E4P-C-00188
Engine RH TT: 30.5
Prop RH SN: 189337
Prop RH TT: 30.5

- 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 OAM 62-030 (a) (Operation without Unfeathering Accumulators) no longer applicable to this Aircraft.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: 18A086 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: OCT 15 2018



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

Registration: N691DA
Airframe Total Time: 33.4
Engine LH SN: E4P-C-00187
Engine LH TT: 33.4
Prop LH SN: 180336
Prop LH TT: 33.4

AC Serial Number: 62.093
Work Order: SO 071958
Engine RH SN: E4P-C-00188
Engine RH TT: 33.4
Prop RH SN: 180337
Prop RH TT: 33.4

- Adjusted LH prop governor speed stop as required

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



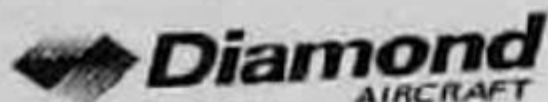
Date: OCT 22 2018

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

Registration: N691DA
Airframe Total Time: 54.3
Engine LH SN: E4P-C-00187
Engine LH TT: 54.3
Prop LH SN: 180335
Prop LH TT: 54.3

AC Serial Number: 62093
Work Order: SO 072133
Engine RH SN: E4P-C-00188
Engine RH TT: 54.3
Prop RH SN: 180337
Prop RH TT: 54.3

NAME/
SIGNATURE

The Following Maintenance was Performed

- Adjusted Pitch/Roll offset on SAM unit to match PFD.
- LH engine glow controller U/S. Replaced glow controller PN: E4A-94-200-000. Removed SN: 002475 TTSN: 54.3 hrs. Installed SN: 002600 TTSN: 0.0 hrs.

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



Date: FEB 12 2019



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

Registration: N691DA
Airframe Total Time: 99.5
Engine LH SN: E4P-C-00187
Engine LH TT: 99.5
Prop LH SN: 180335
Prop LH TT: 99.5

AC Serial Number: 62093
Work Order: SO 072133
Engine RH SN: E4P-C-00188
Engine RH TT: 99.5
Prop RH SN: 180337
Prop RH TT: 99.5

The Following Maintenance was Performed

- Replaced LH/RH fuel filters.
- Replaced LH/RH engine oil and filter. Engines serviced with 7 L Aeroshell Diesel Ultra 5W30
- Engine ground run and leak check carried out. Found serviceable.

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



Date: APR 29 2019

Section 3A: Engine Service

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
ORGANIZATION 161-93

Registration: N691DA
Airframe Total Time: 109.9
Engine LH SN: E4P-C-00187

AC Serial Number: 62.093
Work Order: SO 072133
Engine LH TT: 109.9

- Carried out 100 hr. engine inspection IAW Austro AMM E4.08.04 Rev. 27. and Diamond AMM 7.02.25 Rev. 1. (Engine oil and filter/fuel filters not changed at this time. Previously changed at 99.5 hrs. Next due at 199.5 hrs. AFTT.)
- LH engine prop governor replaced.
 - Removed PN: P-877-16 SN: 18G3851G TTSN: 109.9 hrs.
 - Installed PN: P-877-16 SN: 18G9581G TTSN: 0.0 hrs
- Adjusted coolant mixture to -38 deg. Celsius.

Dual Inspection Carried out on all Engine/Flight controls affected by Work Performed

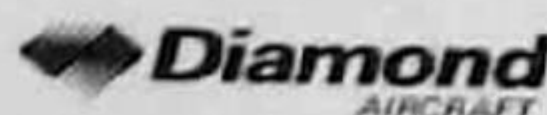


MAY 09 2019

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



MAY 09 2019



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

Registration: N691DA
Airframe Total Time: 157.1
Engine LH SN: E4P-C-00187
Engine LH TT: 157.1
Prop LH SN: 150336
Prop LH TT: 157.1

AC Serial Number: 62.093
Work Order: SO 072133
Engine RH SN: E4P-C-00188
Engine RH TT: 157.1
Prop RH SN: 180337
Prop RH TT: 157.1

The Following Maintenance was Performed

- LH governor replaced with new SN OFF: 18G958-1G SN ON: 18G953-1G. Ground ran and adjusted to be within limits.

An independent inspection of the LH governor installation has been performed

Signature: ACA: 06 JUN/19

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

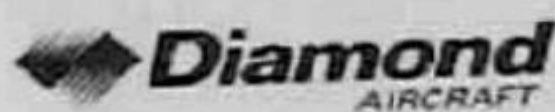


JUN 06 2019

THIS TIME	TOTALS	PREVIOUS TOTALS	TOTALS SINCE NEW

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NAME/
SIGNATURE



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

Registration: N891DA
Airframe Total Time: 224.5
Engine LH SN: E4P-C-00187
Engine LH TT: 224.5
Prop LH SN: 180336
Prop LH TT: 67.0

AC Serial Number: 62.093
Work Order: SO 072323
Engine RH SN: E4P-C-00188
Engine RH TT: 224.5
Prop RH SN: 180337
Prop RH TT: 224.5

The Following Maintenance was Performed – LH Engine

- 100 hr engine Service performed IAW Austro MM
- Replaced LH/RH fuel filters.
- Replaced LH/RH engine oil and filter. Engines serviced with 7 L Aeroshell Diesel Ultra 5W30
- Engine ground run and leak check carried out. Found serviceable.

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

ACA



Date:

JUL 19 2019