

AIRCRAFT TECHNICAL RECORD

Section 3. ENGINE LOG

ENGINE LOG

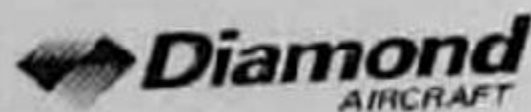
- | | |
|----------------------------------|--------------------|
| 1. Make: | Austro Engine GmbH |
| 2. Model: | E4P-C |
| 3. Specification: | E00081EN |
| 4. Manufacturer's Serial Number: | E4P-C-00188 |
| 5. Date of Manufacture: | July, 2018 |
| 6. Aircraft Inspection Cycle: | |



Section 3A: Engine Service and Maintenance

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: N891DA
Airframe Total Time: 30.5
Engine RH SN: E4P-C-00188

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

- Engine E4P, S/N: E4P-C-00188, installed on Aircraft DA 62 S/N: 62.093, RIGHT
- 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



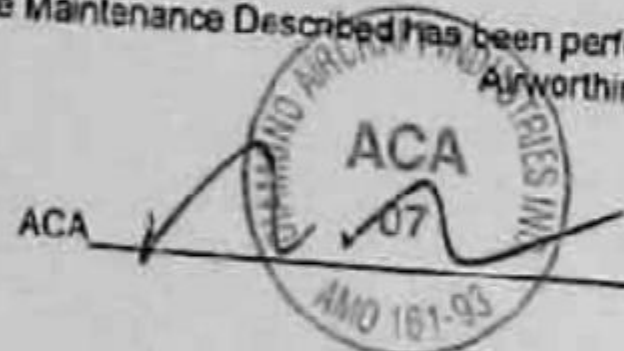
DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93

Registration: N891DA
Airframe Total Time: 37.0
Engine LH SN: E4P-C-00187
Engine LH TT: 37.0
Prop LH SN: 180336
Prop LH TT: 37.0

AC Serial Number: 62.093
Work Order: SO 071958
Engine RH SN: E4P-C-00188
Engine RH TT: 37.0
Prop RH SN: 180337
Prop RH TT: 37.0

- RH Engine Glow plug controller E4A-94-200-000 replaced
 - S/N off: 002446
 - S/N on: 002558
- Standby SAM unit replaced P/N: 6420302-1
 - S/N off: A18-11591
 - S/N on: H18-10062
- Pilot static leak check completed

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



Dec 13/18



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

Registration: N891DA
Airframe Total Time: 30.5
Engine LH SN: E4P-C-00187
Engine LH TT: 30.5
Prop LH SN: 180336
Prop LH TT: 30.5

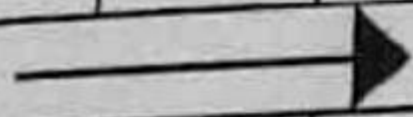
AC Serial Number: 62.093
Work Order: SO 071958
Engine RH SN: E4P-C-00188
Engine RH TT: 30.5
Prop RH SN: 180337
Prop RH TT: 30.5

- 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: 18A077 on RH engine. Serviced with nitrogen per DA62 AMM Ch. 61-20-00.
- RH 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



OCT 15 2018

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:	N891DA	AC Serial Number:	62.093
Airframe Total Time:	51.0	Work Order:	SO 072133
Engine LH SN:	E4P-C-00187	Engine RH SN:	E4P-C-00188
Engine LH TT:	51.0	Engine RH TT:	51.0
Prop LH SN:	180336	Prop RH SN:	180337
Prop LH TT:	51.0	Prop RH TT:	51.0

The Following Maintenance was Performed

- RH engine turbo charger U/S. Removed turbo charger assembly PN: E4C-41-100-000 SN: UA50298630 00042 TTSN: 51.0 hrs. Installed new turbo charger assembly PN: E4C-41-100-000 SN: UC50300446 00048 TTSN: 0.0 hrs. Reference form 1 RO-2655.
- **NOTE:** Turbo charger assembly PN: E4C-41-100-000 comes with new waste gate actuator and waste gate actuator bridge installed IAW Austro MSB-E4-022 Rev. 5. Next wastegate replacement due at 301.0 hr. AFTT IAW FAA AD 2018-07-16.
- Engine ground run and leak checked. Found serviceable

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



Date: **FEB 07 2019**



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

Registration:	N891DA	AC Serial Number:	62.093
Airframe Total Time:	99.5	Work Order:	SO 072133
Engine LH SN:	E4P-C-00187	Engine RH SN:	E4P-C-00188
Engine LH TT:	99.5	Engine RH TT:	99.5
Prop LH SN:	180336	Prop RH SN:	180337
Prop LH TT:	99.5	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**

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PREVIOUS TOTALS

TOTALS SINCE NEW

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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 161-93Registration:
Airframe Total Time:
Engine RH SN:N691DA
109.9
E4P-C-00188AC Serial Number: 62 093
Work Order: SO 072133
Engine RH 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.)
- RH engine inboard engine mount replaced.
- Adjusted coolant mixture to -38 deg. Celsius.
- RH engine TKS nozzle replaced.

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



Date: MAY 09 2019

DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION 161-93Registration:
Airframe Total Time:
Engine LH SN:
Engine LH TT:
Prop LH SN:
Prop LH TT:N691DA
224.5
E4P-C-00187
224.5
180338
67.0AC 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: 224.5The Following Maintenance was Performed - RH 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



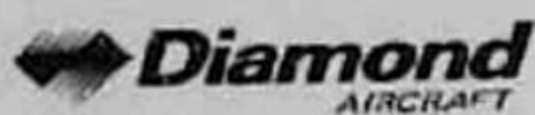
Date: JUL 19 2019

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TOTALPREVIOUS
TOTALSTOTALS
SINCE NEW

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DATE / /	TIMERUN		TIME SINCE OVERHAUL		CYCLES	
	HOURS	min	HOURS	min	Sub Total	TOTAL
BOUGHT FORWARD						

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



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

Registration: N691DA AC Serial Number: 62.093
Airframe Total Time: 237.4 Work Order: SO 072356

The Following Maintenance was Performed

- Replaced RH engine coolant relief valve PN: X11-0014-00-00.00.
- Engine ground run and leak check carried out. Found serviceable.

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

ACA  Date AUG 28 2019