

LOGBUCH MOTOREN

ENGINE LOGBOOK



Use this book please

S/N 02-02-06615

RH

Motor-Logbuch Nr.:
Engine Log Book:

1

für Kolbenmotor
for piston engine

Baumuster: **TAE 125**
Type of engine:

Baureihe: **02-99**
Model:

Motor-Nr.: **02-02-06615**
Engine serial no:

Hersteller: **Continental Aerospace Technologies GmbH**
Manufacturer: **Platanenstraße 14, D-09356 St. Egidien / Germany**
Phone: +49 (0)37204 696-0, Fax: -2912

Baujahr: **2024**
Year of manufacture:

Kennblatt: **TCDS EASA.E.055 - Issue 14 - 18 August 2021**
Data sheet:

ATA-NR.:05-7200-K000302
(Diamond 28V-DA42)



Bemerkungen:
Remarks:

Datum: **21. MAI 2024**
Date:

Unterschrift:
Signature:



Motor - Hauptkomponenten / Engine main components

15. MAI 2024



| Bezeichnung <i>Designation</i> | P/N: <i>Part number:</i> | S/N: <i>Serial number:</i> | TSN: <i>Time since new:</i> | TSI: <i>Time since inspection:</i> |
|---|------------------------------------|--------------------------------------|---------------------------------------|--|
| Motor / Engine: | 05-7200-K000302 | 02-02-06615 | 0:00 | <input checked="" type="checkbox"/> |
| ZMS / Dual mass flywheel: | 05-7211-K018302 | 35961 | 0:00 | <input checked="" type="checkbox"/> |
| Hochdruckpumpe / High pressure pump: | 05-7312-K005305 | 8943 | 0:00 | <input checked="" type="checkbox"/> |
| Vorförderpumpe / Feed pump: | 05-7312-K017704 | 17995 | 0:00 | <input checked="" type="checkbox"/> |
| Getriebe / Gearbox: | 05-7212-K050702 | 06191 | 0:00 | <input checked="" type="checkbox"/> |
| FADEC: | 05-7611-E001906 | 13259 | 0:00 | <input checked="" type="checkbox"/> |
| Firmware: | 05-7610-E001006 | D4-v1.80* | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Mapping: | 52-7610-E012107 | F28D183DA42* | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Kabelbaum / Engine Loom: | 05-7150-E000904 | 04466 | 0:00 | <input checked="" type="checkbox"/> |
| Alternator: | 05-7150-E001902 | 06474 | 0:00 | <input checked="" type="checkbox"/> |
| Turbolader / Turbocharger: | 05-7241-K030401 | P1907 | 0:00 | <input checked="" type="checkbox"/> |
| Raildruckventil / Rail pressure valve: | 05-7320-E000703 | None | 0:00 | <input checked="" type="checkbox"/> |

* keine Seriennummer / none Serial no.



Änderungsstand / Modification record

| TTE: | Technische Mitteilung / Service Bulletin | LTA / AD: | Revision: | durchgeführt / performed: | Datum / Date: | Unterschrift: Signature: |
|------|---|---------------|-----------|--|---------------|-----------------------------|
| 0:00 | TM TAE 000-0004 | | R288 | manual in compliance TM TAE 000-0004 rev 288 | | |
| 0:00 | TM TAE 000-0007 | 2012-0116 | R60 | implemented during production | | |
| 0:00 | TM TAE 125-0001 | | R24 | lifetime information | | |
| 0:00 | TM TAE 125-1001 P1 | | R1 | not applicable | | |
| 0:00 | TM TAE 125-1003 P1 | | R1 | not applicable | | |
| 0:00 | TM TAE 125-1004 P1 | | R0 | implemented during production | | |
| 0:00 | TM TAE 125-1005 P1 | 2008-0056R1-E | R3 | not applicable | | |
| 0:00 | TM TAE 125-1006 P1 | 2008-0106-E | R1 | not applicable (dual mass flywheel installed) | 21. MAI 2024 | |
| 0:00 | TM TAE 125-1007 P1 | 2009-0224 | R3 | not applicable | | |
| 0:00 | TM TAE 125-1008 P1 | 2008-0215 | R1 | implemented during production | | |
| 0:00 | TM TAE 125-1009 P1 | 2009-0224 | R4 | not applicable | | |
| 0:00 | TM TAE 125-1010 P1 | 2010-0136R1 | R3 | not applicable | | |
| 0:00 | TM TAE 125-1011 P1 | 2014-0232 | R2 | not applicable (dual mass flywheel installed) | | |
| 0:00 | TM TAE 125-1012 P2 | | R0 | not applicable | | |
| 0:00 | TM TAE 125-1013 P1 | 2011-0087-E | R0 | not applicable (dual mass flywheel installed) | | |
| 0:00 | TM TAE 125-1014 P1 | | R1 | not applicable | | |
| 0:00 | TM TAE 125-1015 P1 | 2012-0112 | R0 | not applicable | | |

ENGINE MODEL: TAE 125-02-99
ENGINE S/N (R): 02-02-06615
REG. NO: N424RP
WORK ORDER: 10669-03-2024



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630-584.320

DATE: 01 September, 2024
A/C TSN: 15799
ENG TT (R): 0
TSMOH (R):
FLIGHTTIME: 39058

Right Engine Entries

- 3 Inspected and serviced this engine in accordance with Continental Aerospace Technologies GmbH CD-135/CD-155 Operation and Maintenance Manual Document No. OM-02-02 (Rev 5/3) Chapter 5 Airworthiness Limitations, Chapter 6 Maintenance Schedules Component Time limits and Maintenance Requirements and Chapter 5-20-00 Scheduled Maintenance Checks for "Pre-flight Check" 100,200,300 an Annual, 100Hr. Engine was replaced with Continental Diesel Factory New - Reference item 8. See the following items for additional service and repairs.
- 8 Removed Continental Diesel Engine CD-135, TAE125-02-99, S/N: 02-02-04408 from Aircraft N424RP, DA-42NG, S/N: 42.AC039 for inspection and evaluation by Continental Diesel for Low Oil Pressure. Also Removed ECU P/N: 06-7611--E001904, S/N: 10886. Engine has 1023.0 Hrs Total Time.

Installed Factory New Continental Diesel CD-135 Engine TAE-125-02-99, S/N: 02-02-06615 as per Diamond Aircraft DA42 TDI AMM 7.02.01 (Rev 5) Ch 71-00-00. Also referenced Continental Aerospace Technologies GmbH CD-135 Operation and Maintenance Manual Doc. No. OM-02-02 (Rev 5/3) and CD-135 Repair Manual Doc. No. RM-02-02 (Rev 5/8). Mounts, hoses, hardware, and misc consumables as required. Installed new ECU P/N: 05-7611-E001906, S/N: 13259. Engine was serviced with fresh Aeroshell Diesel 5W-30 Ultra oil and a 100 Hour Service Kit, P/N: 05-9900-S000108. Serviced Gearbox with fresh oil as required, Serviced with Spriax-S6-GXME75W-80. Coolant system was serviced and bled as required.

Reference EASA Form 1 Dated 05/21/2024 under W/O FA5311002. See Page 4 of new engine logbook for additional Main Engine Components listings. Engine inspection next due after the 3rd to 6th hour of operation as per the Engine Maintenance Checklist. Engine ground ran and checked for leaks. Accomplished engine test run as per OM Annex 4 and performed FADEC Read-out as per Annex 10.
- 29 Complied with Diamond Aircraft MSB42-007/23. FADEC software on RH engine found to be up to date. Ground run satisfactory.
- 31 FAA AD 2023-01-08 to prevent failure of the engine main bearing stud does not apply, RH Engine S/N not listed in the affected range listed in Continental SB CG 125-1027 P1. No further action required.

Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10669-03-2024, Dated 01 September, 2024.

DATE: 01 September, 2024

SIGNED:

Timothy Quigley
Certified Repair Station No. NF2R029L

Work Order: 10669-03-2024

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Austausch von Ausrüstungsteilen / Exchange of equipments

| Teile- u. Seriennummer: | | Bezeichnung: | Einbau: <i>In:</i> | Ausbau: <i>Out:</i> | Datum, Unterschrift & Lizenznummer: |
|-------------------------|-------------|--------------|-----------------------|------------------------|--|
| Part no.: | Serial no.: | Part / Name: | TSN / TSI / TSO | TSN / TSI / TSO | Date, Signature & license no.: |

ENGINE MODEL: TAE 125-02-99
ENGINE S/N (R): 02-02-06615
REG. NO: N424RP
WORK ORDER: 10902-09-2024



J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 06 September, 2024
A/C TSN: 1584
ENG TT (R): 4.1
TSMOH (R):
FLIGHTTIME: 3909.9

Right Engine Entries

- 1 Complied with 3rd - 6th hour Engine maintenance checklist on RH engine as per Continental Diesel CD-135/CD-155 Operation and Maintenance OM-02-02 Inspection checklists. No defects were noted. FADEC read out sent to Continental Aerospace.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L under Work Order No. 10902-09-2024, Dated 06 September, 2024.

DATE: 06 September, 2024

SIGNED:

Timothy Quigley
Certified Repair Station No. NF2R029L

Work Order: 10902-09-2024

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Wartungsübersicht / Maintenance record

| | | | |
|-----------------|--|--------------------------------------|--|
| Datum: Date: | Betriebsstunden des Motors: <i>Engine hours:</i> | | Durchgeführte Arbeiten: <i>Work performed:</i> |
| | Time since new TSN: | Time since inspection TSI: | |

wo: WO_840

RH ENGINE ANNUAL · page 1 of 1



Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

N424RP

THIELERT, 02-99, S/N: 02-02-06615

October 08, 2025

HOBBS: 1463.9

TACH: 3952.0

SINCE NEW (TACH): 46.2

1. C/W Pre maintenance Engine ground run I/A/W Continental Operation & Maintenance manual OM-02-02.
2. C/W 100 hour checklist I/A/W Continental Operation & Maintenance manual OM-02-02 Installed P/N 05-9900-S000108 - CD-135/155/170 100 hour kit, Installed P/N D60-9071-66-04 - Air Filter.
3. C/W FADEC readout I/A/W Continental Operation & Maintenance manual OM-02-02 Ch. 6 Annex 10.
4. C/W engine oil service I/A/W Continental Operation & Maintenance manual OM-02-02 CH.6 Annex 5. Installed (6) P/N AEROSHELL DIESEL ULTRA - DIESEL PISTON OIL, 1L.
5. C/W gearbox oil and gearbox oil filter exchange I/A/W Operation & Maintenance manual OM-02-02 Ch.6 Annex 13.
6. C/W FUEL SYSTEM SERVICE I/A/W Diamond DA42-TDI MM Ch. 28-20-00 part 4.
7. C/W Post maintenance Engine ground run I/A/W Continental Operation & Maintenance manual OM-02-02.

I certify that this ENGINE R/H has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO_840.

Jeff Pleiman A/P I/A 3304319