

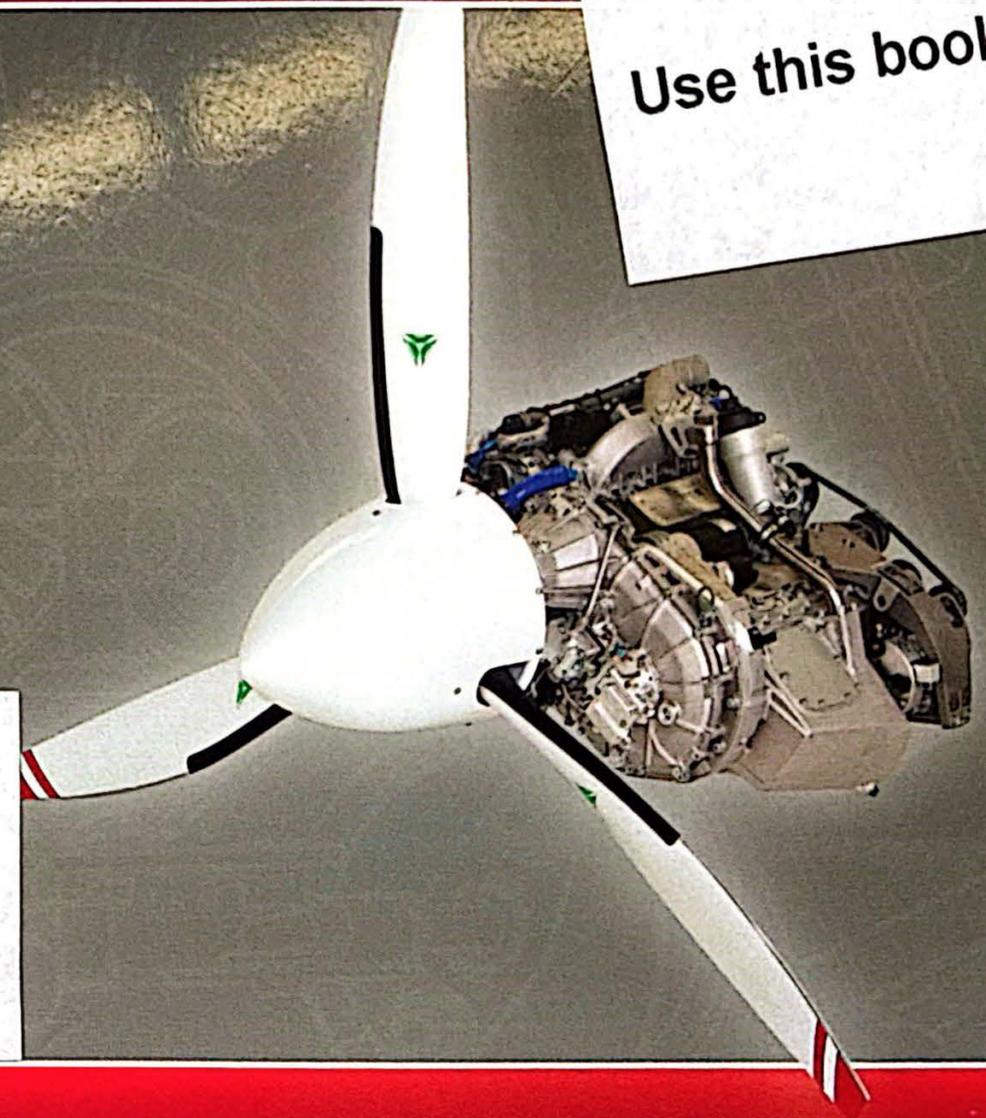


Technify Motors

# LOGBUCH MOTOREN

## ENGINE LOGBOOK

Use this book please



S/N 02-02-04407

55

**Motor-Logbuch Nr.:**  
*Engine Log Book:*

1

**für Kolbenmotor**  
*for piston engine*

**Baumuster:**  
*Type of engine:*

**TAE 125**

**Baureihe:**  
*Model:*

**02-99**

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

**02-02-04407**

**Hersteller:**  
*Manufacturer:*

**Technify Motors GmbH**

*Platanenstraße 14, D-09356 St. Egidien / Germany  
Phone: +49 (0)37204 696-0, Fax: -2912*

**Baujahr:**

**2017**

*Year of manufacture:*

**Kennblatt:**  
*Data sheet:*

**TCDS EASA.E.055 - Issue 10 - 08 January 2016**

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



**Bemerkungen:**  
*Remarks:*

**Datum:**  
*Date:*

**10. MAI 2017**

**Unterschrift:**  
*Signature:*

A handwritten signature in black ink, appearing to be 'V. G. H. J.'.

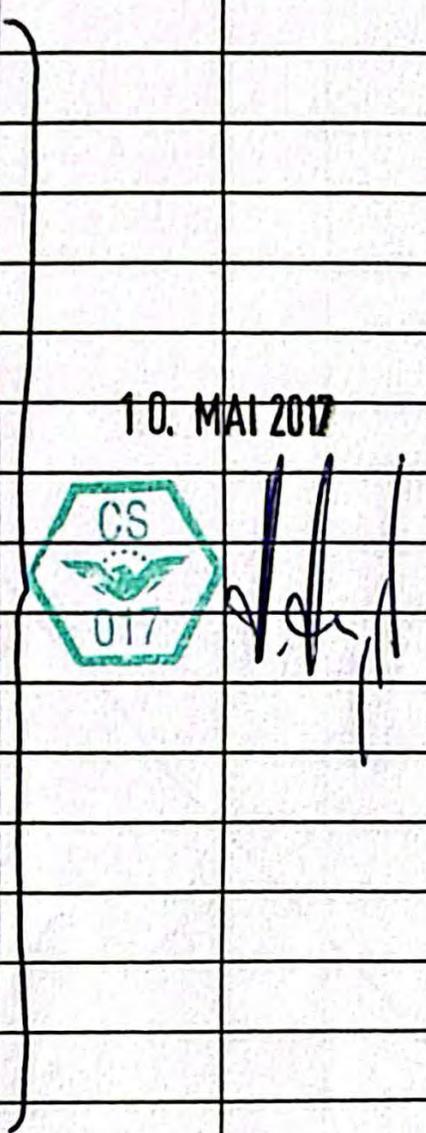


# Motor - Hauptkomponenten / Engine main compenents

 Bezeichnung Designation 09. MAI 2017	P/N: Part number:	S/N: Serial number:	TSN: Time since new:	TSI: Time since Inspection:
Motor / Engine:	05-7200-K000302	02-02-04407	0:00	<input checked="" type="checkbox"/>
ZMS / Dual mass flywheel:	05-7211-K018302	32208	0:00	<input checked="" type="checkbox"/>
Hochdruckpumpe / High pressure pump:	05-7312-K005303	5026	0:00	<input checked="" type="checkbox"/>
Vorförderpumpe / Feed pump:	05-7312-K013301	09380	0:00	<input checked="" type="checkbox"/>
Getriebe / Gearbox:	05-7212-K041703	03553	0:00	<input checked="" type="checkbox"/>
FADEC:	05-7611-E001904	10886	0:00	<input checked="" type="checkbox"/>
Firmware:	05-7610-E001003	D4-v1.40*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mapping:	52-7610-E012102	F28D142DA42*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Kabelbaum / Engine Loom:	05-7150-E000904	02629	0:00	<input checked="" type="checkbox"/>
Alternator:	05-7150-E001901	02737	0:00	<input checked="" type="checkbox"/>
Turbolader / Turbocharger:	05-7241-K020303	20767	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	003 TM TAE 000-0004		R214	manual in compliance TM TAE 000-0004 rev 214	 <p style="text-align: center;">10. MAI 2017</p>	
0:00	TM TAE 000-0007	2012-0116	R35	implemented during production		
0:00	TM TAE 125-0001		R17	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)		
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	2010-0136	R3	not applicable		
0:00	TM TAE 125-1011 P1	2011-0152-E	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		



## Wartungsübersicht / Maintenance record

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



Date: 8/11/17 N424RP S/N: 42.AC039  
LH Engine: TAE 125-02-99 SN: 02-02-04407  
Total Time: 0.0 Tach: 2882.8 Hobbs: N/A

MX Aero Global LLC  
2901A E. Spring St. Long Beach, CA 90806  
Main: 562.912.4263  
Cell: 562.881.5345

1. Installed new engine IAW DA42 AMM and OSB-42-046.
2. Performed ground run operational and leak check.

Authorized Signature

  
Stanley Iijawi AP3704706



Date: 5/1/18 N424RP S/N: 42.AC039  
LH Engine: TAE 125-02-99 SN: 02-02-04407  
Total Time: 22.1 Tach: 2904.9

MX Aero Global LLC  
2901A E. Spring St. Long Beach, CA 90806  
Main: 562.912.4263  
Cell: 562.881.5345

1. Performed 100 Hour Inspection using DA42 AMM as a guide.
2. Changed oil and filter. Serviced engine with 6L Shell Diesel Ultra 5W-30 IAW DA42 AMM 12-10-00.
3. Changed gearbox oil and filter. Serviced with 1.5L Shell Spirax 75W-90 IAW DA42 AMM 12-10-00.
4. Performed coolant system pressure test IAW DA42 AMM 75-00-00.
5. ADs current to biweekly revision 2018-09.
6. Performed ground run operational and leak check.

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

Authorized Signature

  
David Seastead AP3492477 IA



## ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

## ENGINE ENTRY

WORK ORDER: 2196 AIRCRAFT: N424RP TACH: 3005.7 TSOH: N/A TTE: 122.9

DATE: 03/19/2019

L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407

Completed all 100 hour servicing using service kit (P/N: 05-9900-S000106). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 6 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the propeller proportional reducing valve, found pressure within limits. Downloaded ECU engine log file. Verified AD's current through FAA AD biweekly 2019-05. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P / IA 3212565

# Wartungsübersicht / Maintenance record

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



**ABSOLUTE AERO**  
MAINTENANCE  
21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

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**WORK ORDER: 2337   AIRCRAFT: N424RP   TACH: 3104.5   TSOH: N/A   TTE: 221.7**
**DATE: 05/22/2019**

**L/H ENGINE MODEL: Centurion TAE125-02-99   S/N: 02-02-04407**

Completed all 100 hour servicing using service kit (P/N: 05-9900-S000106). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 6 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the propeller proportional reducing valve and adjusted pressure to within limits. Downloaded ECU engine log file. Verified AD's current through FAA AD biweekly 2019-10. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

**I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.**

**Brandon Thompson A&P 3212565**





# ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

## ENGINE ENTRY

WORK ORDER: 2438 AIRCRAFT: N424RP TACH: 3204.3 TSOH: N/A TTE: 321.5

DATE: 08/14/2019

L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407

Completed 2-year coolant replacement using 50/50 mix of new Zerex G-05 coolant and distilled water. Bled and pressure tested coolant system. Completed all 100 hour servicing using service kit (P/N: 05-9900-S000106). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 6 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Replaced fuel filter with new and bled the fuel system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the proportional pressure reducing valve and found pressure within limits. Downloaded ECU engine log file. Verified AD's current through FAA AD biweekly 2019-16. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P 3212565

# Wartungsübersicht / Maintenance record

**Betriebsstunden des Motors:**

*Engine hours:*

Time since new

**TSN:**

Time since inspection

**TSI:**

**Durchgeführte Arbeiten:**

*Work performed:*



**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**ENGINE ENTRY**

WORK ORDER: 2595 AIRCRAFT: N424RP TACH: 3308.5 TSOH: N/A TTE: 425.7

DATE: 12/16/2019

L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407

Completed all 100 hour servicing using service kit (P/N: 05-9900-S000106). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 6 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Replaced fuel filter with new and bled the fuel system. Pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the proportional pressure reducing valve and found pressure within limits. Downloaded ECU engine log file. Verified AD's current through FAA AD biweekly 2019-25. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P 3212565

# Austausch von Ausrüstungsteilen / Exchange of equipments

<b>Teile- u. Seriennummer:</b>		<b>Bezeichnung:</b>	<b>Einbau:</b> <i>In:</i>	<b>Ausbau:</b> <i>Out:</i>	<b>Datum, Unterschrift &amp; Lizenznummer:</b>
<i>Part no.:</i>	<i>Serial no.:</i>	<i>Part / Name:</i>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	<small>Time since new</small> <b>TSN:</b>
			<small>Time since inspection</small> <b>TSI:</b>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>



**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

**ENGINE ENTRY**

**WORK ORDER: 2723 AIRCRAFT: N424RP TACH: 3376.7 TSOH: N/A TTE: 493.9**

**DATE: 04/28/2020**

**L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407**

Completed all 100 hour servicing using service kit (P/N: 05-9900-S000106). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 6 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with Centurion N1 gearbox oil. Examined old oil filter element and magnetic drain plug, no contaminants found. Pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the propeller proportional reducing valve, found pressure within limits. Downloaded ECU engine log file. Verified AD's current through FAA AD biweekly 2020-09. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

**I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.**

**Brandon Thompson A&P / IA 3212565**

# Wartungsübersicht / Maintenance record

Datum:  
Date:

Betriebsstunden des Motors:  
Engine hours:

Time since new  
TSN:

Time since inspection  
TSI:

Durchgeführte Arbeiten:  
Work performed:



## ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

### ENGINE ENTRY

WORK ORDER: 2856 AIRCRAFT: N424RP TACH: 3473.4 TSOH: N/A TTE: 590.6

DATE: 08/07/2020

L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407

Completed CD-135 OM-02-02 Chapter 5.1.3 600-hour inspection of the dual mass flywheel, no defects noted. Reinstalled gearbox using new installation set (P/N: 05-9900-S000206). Completed 600-hour replacement of the following parts: overhauled alternator (P/N: 05-7150-E000601, S/N: 00471) and overhauled high pressure fuel pump (P/N: 05-7312-K005303, S/N: 3581) from Continental Aerospace Technologies GmbH (CRS# 3TMY401C/EASA DE.145.0577), new fuel feed pump (P/N: 05-7312-K018401, S/N: 12867), and new rail pressure control valve (P/N: 05-7320-E000703). Completed CD-135 OM-02-02 Chapter 5.1.1 and 6.2.2 100-hour inspection and servicing with service kit (P/N: 05-9900-S000106). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 7 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with new Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Replaced fuel filter with new and bled the fuel system. Completed CD-135 OM-02-02 Chapter 5.1.6 24-month/1200-hour coolant replacement using 50/50 mix of new Zerex G-05 coolant and distilled water. Bled and pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the proportional pressure reducing valve and found pressure within limits. Downloaded ECU engine log file. AD 2016-07-19 is N/A to the feed pump part number installed. Verified AD's current through FAA AD biweekly 2020-16. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P 3212565

# Austausch von Ausrüstungsteilen / Exchange of equipments

<b>Teile- u. Seriennummer:</b>		<b>Bezeichnung:</b>	<b>Einbau:</b> <i>In:</i>		<b>Ausbau:</b> <i>Out:</i>		<b>Datum, Unterschrift &amp; Lizenznummer:</b>
<i>Part no.:</i>	<i>Serial no.:</i>	<i>Part / Name:</i>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

**WORK ORDER: 2940 AIRCRAFT: N424RP TACH: 3574.3 TSOH: N/A TTE: 691.5**

**DATE: 10/14/2020**

**L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407**

Completed CD-135 OM-02-02 Chapter 5.1.1 and 6.2.2 100-hour inspection and servicing with service kit (P/N: 05-9900-S000107). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 7 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with new Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Replaced fuel filter with new and bled the fuel system. Bled and pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the proportional pressure reducing valve and found pressure within limits. Downloaded ECU engine log file. Verified AD's current through FAA AD biweekly 2020-21. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

**I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.**

**Brandon Thompson A&P 3212565**

# Wartungsübersicht / Maintenance record

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



ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

**WORK ORDER: 3008 AIRCRAFT: N424RP TACH: 3617.8 TSOH: N/A TTE: 733.3**

**DATE: 11/25/2020**

**L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407**

Replaced the fuel rail pressure control valve with new (P/N: 05-7320-E000703). Flushed the high pressure rail using jet fuel. Bled the fuel system prior to engine start. Ground ran engine, leak and ops check good. No defects noted at this time. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

**This engine is approved for return to service, for only the work performed.**

**Jesse Case A&P 3772878**


# Austausch von Ausrüstungsteilen / Exchange of equipments

Teile- u. Seriennummer:		Bezeichnung:	Einbau: <i>In:</i>		Ausbau: <i>Out:</i>		Datum, Unterschrift & Lizenznummer:
<i>Part no.:</i>	<i>Serial no.:</i>	<i>Part / Name:</i>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	<i>Date, Signature &amp; license no.:</i>



## ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

ENGINE ENTRY

WORK ORDER: 3090 AIRCRAFT: N424RP TACH: 3674.2 TSOH: N/A TTE: 791.4

DATE: 03/17/2021

L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407

C/W TM TAE 000-0007 Rev 46 "engine variants and software versions" by updating firmware (v1.80) and mapping (F28D180DA42). Replaced the turbo inlet duct with new (P/N: 52-7160-H002002) using new clamps (1EA P/N: NM-0000-0017001 & NM-0000-0017201). Completed CD-135 OM-02-02 Chapter 5.1.1 and 6.2.2 100-hour inspection and servicing with service kit (P/N: 05-9900-S000108). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 6 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with Centurion N1 gearbox oil. Examined old oil filter element and magnetic drain plug, no contaminants found. Pressure tested coolant system. Bled fuel system prior to engine start. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the propeller proportional reducing valve, found pressure within limits. Downloaded ECU engine log file. AD 2020-26-06 "defective turbocharger hose" N/A by serial number. Verified AD's current through FAA AD biweekly 2021-06. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Jesse Case A&P / IA 3772878

# Wartungsübersicht / Maintenance record

Datum:  
Date:

Betriebsstunden des Motors:  
Engine hours:  
Time since new  
Time since inspection  
TSN: TSI:

Durchgeführte Arbeiten:  
Work performed:



## ABSOLUTE AERO

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

### ENGINE ENTRY

WORK ORDER: 3373 AIRCRAFT: N424RP TACH: 3768.8 TSOH: N/A TTE: 886.0

DATE: 09/15/2021

L/H ENGINE MODEL: Centurion TAE125-02-99 S/N: 02-02-04407

Incorporated new updated fuel pipe with inline filter (P/N: 05-7312-K016202) between the high and low pressure fuel pumps per RM 2.5 73-10.21. Completed CD-135 OM-02-02 Chapter 5.1.1 and 6.2.2 100-hour inspection and servicing with service kit (P/N: 05-9900-S000108). Drained and sampled oil. Removed and replaced oil filter with new. Serviced engine with 7 liters of Aeroshell Diesel Ultra oil. Drained and sampled gearbox oil. Replaced the gearbox oil filter with new. Serviced to fill with new Centurion N1 gearbox oil. Examined old oil filter elements and magnetic drain plug, no contaminants found. Replaced fuel filter with new and bled the fuel system. Bled and pressure tested coolant system. Ground ran engine, leak and ops check good. No defects noted at this time. Checked the presetting of the proportional pressure reducing valve and found pressure within limits. Downloaded ECU engine log file. **Verified AD 2020-26-06 "turbocharger hose defects" N/A by serial number.** Verified AD's current through FAA AD biweekly 2021-19. All work completed in accordance with the Diamond DA 42 and Centurion CD-135 Maintenance Manuals. -END

I certify that this engine has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Brandon Thompson A&P 3212565



3330 AIRPORT LOOP  
SALISBURY, NC 28147  
OFFICE: 704-431-6862  
INFO@SOUTHTECAVIATION.COM

DATE: APRIL 19, 2022 | LEFT ENGINE | TAE 125-02-99 | S/N: 02-02-04407 | REG: N424RP  
TACH: 3848.3 HRS. TTE: 965.5 HRS.

ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH DIAMOND AIRCRAFT DA42 AMM INSPECTION CHECKLIST AND CONTINENTAL DIESEL CD-135 REPAIR MANUAL. AD'S CHECKED THROUGH BIWEEKLY NUMBER 2022-08. NO AD'S DUE AT THIS TIME.

CUT OIL FILTER AND INSPECTED FOR METAL, NONE NOTED.

COLLECTED OIL SAMPLE FOR ANALYSIS.

FILLED ENGINE WITH 6 LITERS AEROSHELL DIESEL ULTRA 5W-30 AVIATION OIL.

SERVICED ENGINE WITH 100 HOUR KIT, P/N:(05-9900-S000108).

REPLACED GEARBOX OIL WITH CENTURION GEARBOX N1 OIL.

REPLACED FWD METAL COOLANT PIPE P/N:(52-7520-H002502) AND ADJUSTED TO NOT RUB GEARBOX.

PRESSURED TESTED COOLANT SYSTEM, NO LEAKS NOTED.

GROUND RAN ENGINE.

OPERATIONAL AND LEAK CHECKS PERFORMED; NO FAULTS NOTED.

ALL WORK COMPLETED IN ACCORDANCE WITH DIAMOND AIRCRAFT DA42 AMM AND CONTINENTAL DIESEL CD-135 REPAIR MANUAL.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

CHRISTIAN HEDRICK

A&P / IA 3740465

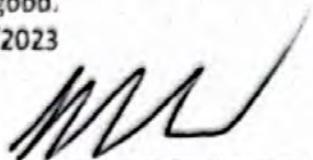
Registration: N424RP  
AC Serial Number: 42.AC039  
Airframe TT: 1554.4 Tach: 3380.3  
LT Engine Serial Number 02-02-04407  
LETSN: 997.5 ETSO: N/A  
WO: 4883



## LIFT MAINTENANCE

Maintenance performed: Complied with a 100-hr. inspection referencing the aircraft and engine maintenance manuals. Found AD 2011-05-06 NA to this version 2 engine IAW AMOC dated APR 23 2018 Replaced the gearbox and fuel filters with filters from the 100 hr. kit. Referencing the engine MM. run up and leak check good.

Date: 4/28/2023

Signature: 

Gregory Dodson

A&P31444131A

LIFT Maintenance 2753 Cargo Drive, Indianapolis, IN 46241

## Maintenance record

### Durchgeführte Arbeiten:

Work performed:

ENGINE MODEL: TAE 125-02-99  
ENGINE S/N (L): 02-02-04407  
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 3200

DATE: 01 September, 2024  
AC TSN: 1579.9  
ENG TT (L): 1023  
TSMOH (L):  
FLIGHTTIME: 3905.8

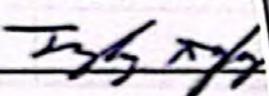
### Left Engine Entries

- 2 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. The oil was changed and oil filter replaced utilizing Scheduled Maintenance Kit P/N: 05-9900-S000108. Engine was serviced with 6 Liters of Aeroshell Ultra Diesel 5W-30. Opened and inspected the filter and oil sample sent to Continental Aerospace Technologies GmbH. See the following items for additional service and repairs.
- 28 Complied with Diamond Aircraft MSB42-007/23. Updated FADEC software mapping on LH engine to version F28D183DA42. Ground run satisfactory.
- 30 FAA AD 2023-01-08 to prevent failure of the engine main bearing stud does not apply. LH 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 C/S 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

<b>Teile- u. Seriennummer:</b>		<b>Bezeichnung:</b>	<b>Einbau:</b> <i>In:</i>		<b>Ausbau:</b> <i>Out:</i>		<b>Datum, Unterschrift &amp; Lizenznummer:</b>
<i>Part no.:</i>	<i>Serial no.:</i>	<i>Part / Name:</i>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	<small>Time since new</small> <b>TSN:</b>	<small>Time since inspection</small> <b>TSI:</b>	

wo: WO\_840

LH ENGINE ANNUAL · page 1 of 1



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

**N424RP**  
HOBBS: 1463.9

**THIELERT, 02-99, S/N: 02-02-04407**  
TACH: 3952.0

**SINCE NEW (TACH):**  
1069.2

**October 08, 2025**

1. C/W Pre maintenance Engine ground run I/AW Continental Operation & Maintenance manual OM-02-02.
2. C/W 100 hour Checklist I/AW 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/AW Continental Operation & Maintenance manual OM-02-02 Ch. 6 Annex 10.
4. C/W engine oil service I/AW 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/AW Operation & Maintenance manual OM-02-02 Ch.6 Annex 13.
6. C/W FUEL SYSTEM SERVICE I/AW Diamond DA42-TDI MM Ch. 28-20-00 part 4.
7. C/W Post maintenance Engine ground run I/AW Continental Operation & Maintenance manual OM-02-02.

I certify that this ENGINE L/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