

THE  
**adlog**<sup>TM</sup>  
AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**ENGINE  
MAINTENANCE  
RECORDS**

# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

**Manufacturer:** Teledyne Continental    **Model** IO-520 A(6)

**Serial:** 112209-70-A-R

**Type Certificate:** E5CE REV 26

**This engine is currently installed  
in aircraft:** COMMANDER MEYERS  
200 N2943T

**Minimum Octane Fuel:** 100/100  
LL

**Oil Grade** Summer: 50W  
Winter: 40W

**Magneto Time:** 22° BTC

**Spark Plug Gap:** .016 - .021

**Firing Order:** 1-6-3-2-5-4

**Manufacturer's Recommended  
TBO at 1700 hours**

**Comments:**



(All applicable information must be filled in)

**AEROTECH PUBLICATIONS INC.**


P.O. Box 1359 / Southold, NY 11971-0965  
(631) 765-9375  
1-800-235-6444  
FAX: (631) 765-9359



TOTAL TIME SINCE OVERHAUL	TA REC M
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**AD NOTES: SEE REAR OF LOGBOOK**

Invoice/Work Order: 75508 / 58937 Date: 10/19/2020

Signature of authorized representative: 

CERTIFIED ENGINES UNLIMITED, INC.

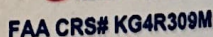
**CERTIFIED ENGINES UNLIMITED, INC. FAA CRS# KG4R309M**  
1630 SW 75<sup>th</sup> Ave. Pembroke Pines, Florida 33023 Phone : (305) 685-8331  
**LIMITED OVERHAUL WARRANTY**

**2. Time Limits.** This Warranty for parts and labor extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. CEU considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours a month, regardless of actual operation hours.

6. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE, THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.

7. LIMITATION ON LIABILITY. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGE, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.

8. CRACKED CYLINDERS AND CRANKCASES ARE EXCLUDED FROM ALL WARRANTIES UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.



The aircraft engine and/or component identified was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

This engine has been run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.

**CAUTION!**  
Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul. eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.

Pertinent details of the repair are on file at this agency under:

Signed Ken L. Hove  
(Signature of authorized individual) For Certified Engines Unlimited



## FAA Airworthiness Directives Compliance Record

Company:  
 Category: Engine  
 Manufacturer: Teledyne Continental  
 Model: IO-520-A

Position:  
 P/N: IO-520-A (6)  
 S/N: 112209-70-A-R

Aircraft Registration No:  
 ATP Revision: 10/19/2022

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2022-16-03 8/15/2022	To Prevent Failure of the Magneto. The Unsafe Condition, if Not Addressed, Could Result in Failure of One or More Engines, In-Flight Shutdown, and Loss of the Airplane	10/19/2022 Hrs: -- C: --	N/A MODEL AT TIME OF ENGINE OVERHAUL	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
2022-04-04 3/29/2022	To Prevent Loss of Engine Power. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine, In-Flight Shutdown, and Loss of Control of the Aircraft	10/19/2022 Hrs: -- C: --	N/A Stratus Tool Technologies, LLC (Stratus) oil filter adapter not installed at time of engine overhaul.	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
2016-16-12 9/15/2016	To prevent failure of the cylinder assemblies, which could lead to failure of the engine, in-flight, contd.	10/19/2022 Hrs: -- C: --	N/A E.C.I. CYLINDERS NOT INSTALLED AT TIME OF ENGINE OVERHAUL	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
2014-05-29 4/25/2014	[Recurring] To prevent the separation of the cylinder head, damage to the engine, and damage to the airplane	10/19/2022 Hrs: -- C: --	N/A Superior Air Parts, Inc. cylinder assemblies not installed at time of engine overhaul	Yes	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.
2012-03-06 C 2/24/2012	To prevent an in-flight engine shutdown due to a failed fuel servo diaphragm, and damage to the airplane	10/19/2022 Hrs: -- C: --	N/A AVStar Fuel Systems, Inc.	No	D: -- Hrs: -- C: --	Certified Engines Unlimited, Inc. KG4R309M/FAA CRS Frank Neves, Jr.

OATP

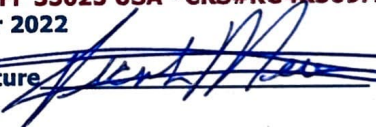
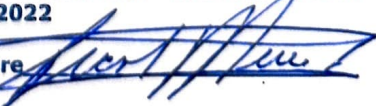
10/19/2022 10:21:00 AM

1/5

Signed  
 (Signature of authorized individual)

For Certified Engines Inc.



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																																																		
				<p><b>This Continental Motors engine, model IO-520 A(6), s/n 112209-70-A-R, was Overhauled by Certified Engines Unlimited, Inc., of Pembroke Pines, Florida according to factory recommended procedures, specifications, limits and pertinent Federal Aviation Regulations.</b></p> <p><b>All internal steel parts were magna-fluxed by Palm Beach Aircraft Propeller Inc. CRS #LU4R349M, &amp; all non-ferrous materials were checked for cracks. Guidelines from the Continental Overhaul Manual X30039A &amp; Maint Manual M-O were followed at time of overhaul.</b></p> <p><b>Installed Slick Magnetos, OHC by Quality A/C Accessories, CRS # 9QFR310C. Installed Starter, OHC by OHC by Aerotech of Louisville, CRS # PU4R453M. Installed Fuel Injection System, OHC by Consolidated fuel System, CRS # 9KPR369B. Installed Oil Cooler, OHC by Pacific Oil Cooler Serv, CRS # RF3R813L. All 8130-3 forms received from the accessory suppliers are located at the rear of this logbook. No other accessories were supplied per customer request.</b></p> <p><b>Installed Camshaft, reground to fact specs by A/C Specialties, CRS # DD2R764K. The VAR style crankshaft, S/N N15AA035, was ultrasonic inspected per TCM MSB#96-10B by Palm Beach A/C Propellers, CRS # LU4R349M. Installed Six nickel plated Cyl Assys, OHC by J&amp;J Airparts, CRS # JE2R921K &amp; NEW Champion spark plugs. Harness reused per customer request.</b></p> <p><b>Certified Engines Unltd * Pembroke Pines, Fl 33023 USA *CRS#KG4R309M Invoice/wo#75508/58937 *** 19 October 2022</b></p> <p>Authorized Signature  Frank Neves, Jr.</p> <p><b>Recommended parts listed in the Continental OH Manual were installed at time of this overhaul...(see list below):*FAA-PMA Parts are frequently substituted for Teledyne Continental Motors factory parts.</b></p> <table border="0"> <tr> <td>2 SA643626-104 C/W PIN</td> <td>10 SA642917-1 INTAKE HOSE</td> </tr> <tr> <td>2 SA643626-103 C/W PIN</td> <td>1 SA641250 CRANK SEAL</td> </tr> <tr> <td>16 SA629104 LOCK RING</td> <td>1 24770 C/S PLUG</td> </tr> <tr> <td>16 SA643629 RETAINING PLATE</td> <td>4 SA638172 MAG DRIVE CUSHION</td> </tr> <tr> <td>1 SA646588-A1 BEARING SET</td> <td>1 SA537721 BEARING</td> </tr> <tr> <td>6 656990 C/S GEAR SCREW</td> <td>1 SA641368 BEARING</td> </tr> <tr> <td>4 SA535666 SCREW</td> <td>8 SA350998 C/SHAFT BLADE BUSHING</td> </tr> <tr> <td>6 SA646277 LIPTER</td> <td>16 SA639193 C/WEIGHT BUSHING</td> </tr> <tr> <td>6 SA628488 LIPTER</td> <td>4 SA643626-101 C/W PIN</td> </tr> <tr> <td>3 MS35756-8 KEY WOODRUFF</td> <td>1 HET55015-4 RING-RETAINING-INT 522100</td> </tr> <tr> <td>2 SA632443A-4 NUT</td> <td>12 MS90725-12 BOLT, HEX</td> </tr> <tr> <td>1 SA646548-A1 GASKET SET</td> <td>12 SA652984 ROCKER ARM SHAFT</td> </tr> <tr> <td>6 SA630046 PISTON PIN</td> <td>12 SA652947 WASHER</td> </tr> <tr> <td>1 AA48108-2 OIL FILTER, SPIN-ON</td> <td>1 AA9144 PROP GOVERNOR GASKET</td> </tr> <tr> <td>24 MS20500-428 EXHAUST NUT</td> <td>1 HET55018 BEARING BALL</td> </tr> <tr> <td>12 RHB32E SPARK PLUG</td> <td>8 AS3578-016 SEAL-"O" RING</td> </tr> <tr> <td>6 SA530658 CONN ROD BUSHING</td> <td>1 634150 SPRING OIL PRES REL</td> </tr> <tr> <td>12 SA629340 CONN ROD BOLT</td> <td>1 EQ6893 MAJOR O/H THRU BOLT-KIT</td> </tr> <tr> <td>12 SA628109 CONN ROD NUT</td> <td>24 SA639629 ROCKER ARM BUSHING</td> </tr> <tr> <td>12 MS24665-229 COTTER PIN</td> <td>2 6310 MAGNETO, OHC</td> </tr> <tr> <td>12 SA630826 CONN ROD BEARING</td> <td>6 J&amp;J OHC CYL ASSY W/NICKLE PLATING</td> </tr> <tr> <td>1 501867 WASHER-TAB</td> <td></td> </tr> <tr> <td>1 HET55257 BEARING- BALL - RADIAL</td> <td></td> </tr> <tr> <td>1 HET55019 RING-INT RETAINING</td> <td></td> </tr> <tr> <td>1 CAM539800 M15 CLUTCH SPRING</td> <td></td> </tr> </table> <p><b>After final assembly, this engine was run-in on test stand for a period of three hours with all temperatures, pressures &amp; performances within those limits as prescribed by the factory. Oil filter checked clean.</b></p> <p><b>Airworthiness Directives complied with during this overhaul are listed at the rear of this logbook. This engine is approved for return to normal service.</b></p> <p><b>Certified Engines Unltd * Pembroke Pines, Fl 33023 USA *CRS#KG4R309M Invoice/wo#75508/58937 *** 19 October 2022</b></p> <p>Authorized Signature  Frank Neves, Jr.</p>	2 SA643626-104 C/W PIN	10 SA642917-1 INTAKE HOSE	2 SA643626-103 C/W PIN	1 SA641250 CRANK SEAL	16 SA629104 LOCK RING	1 24770 C/S PLUG	16 SA643629 RETAINING PLATE	4 SA638172 MAG DRIVE CUSHION	1 SA646588-A1 BEARING SET	1 SA537721 BEARING	6 656990 C/S GEAR SCREW	1 SA641368 BEARING	4 SA535666 SCREW	8 SA350998 C/SHAFT BLADE BUSHING	6 SA646277 LIPTER	16 SA639193 C/WEIGHT BUSHING	6 SA628488 LIPTER	4 SA643626-101 C/W PIN	3 MS35756-8 KEY WOODRUFF	1 HET55015-4 RING-RETAINING-INT 522100	2 SA632443A-4 NUT	12 MS90725-12 BOLT, HEX	1 SA646548-A1 GASKET SET	12 SA652984 ROCKER ARM SHAFT	6 SA630046 PISTON PIN	12 SA652947 WASHER	1 AA48108-2 OIL FILTER, SPIN-ON	1 AA9144 PROP GOVERNOR GASKET	24 MS20500-428 EXHAUST NUT	1 HET55018 BEARING BALL	12 RHB32E SPARK PLUG	8 AS3578-016 SEAL-"O" RING	6 SA530658 CONN ROD BUSHING	1 634150 SPRING OIL PRES REL	12 SA629340 CONN ROD BOLT	1 EQ6893 MAJOR O/H THRU BOLT-KIT	12 SA628109 CONN ROD NUT	24 SA639629 ROCKER ARM BUSHING	12 MS24665-229 COTTER PIN	2 6310 MAGNETO, OHC	12 SA630826 CONN ROD BEARING	6 J&J OHC CYL ASSY W/NICKLE PLATING	1 501867 WASHER-TAB		1 HET55257 BEARING- BALL - RADIAL		1 HET55019 RING-INT RETAINING		1 CAM539800 M15 CLUTCH SPRING	
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

03 Mar 2023 TACH: 3420.3 TSOH: 0

Installed new overhauled engine. Added 12 quarts of Aeroshell 100 mineral oil. Checked timing. Ran engine and verified operation and no leaks. Performed compression check as followed: #1 77/80 #2 75/80 #3 76/80 #4 77/80 #5 77/80 #6 76/80

Airworthiness Directives checked and performed by Certified Engines Unlimited. All work was accomplished I.A.W Federal Aviation Regulations and manufacturer's maintenance instructions. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition

Thomas McElveen 2682072 IA

*Thomas McElveen*

Top Flight Aviation  
3050 Transatlantic Way  
Johns Island SC 29455  
(843) 408-9555

Make: Aero Commander

Model: 200D

Tail: N2943T

S/N: 346

Hours: TACH TIME: 3460.11

performed 100 HR inspection on powerplant. removed engine cowlings drained oil from engine drain. removed and inspected oil screen fir signs of foreign material. no defects noted. installed oil screen with new crush gasket. serviced engine with 12 QTS 20W-50 AW. performed compression check on engine. CYL 1: 78/80 CYL 2: 78/80 CYL 3: 77/80 CY 4: 78/80 CYL 5: 78/80 CYL 6: 78/80. cleaned gapped and tested all spark plugs. no defects noted. installed and sparks plugs with new spark plug gaskets. inspected engine area for signs of leaks/damage no defects noted. inspected engine controls for proper operation. inspected engine components for proper installation/safety. ran engine up to operating temps. ground checks good leak check good. installed engine cowlings. All work done IAW aero commander shop manual and AC 43.13 apx D.

Signed: *[Signature]*

Name: Logan Tribodeau

Cert: 4334252

Date: 06/24/2024



GFTS-AM  
151 Airpark Blvd.  
Immokalee, FL 34142

Make: Continental

Model: IO-520-A

Tail: N2943T

S/N: 112209-70-A-R

Hours: TTE: 2289.93 Tach: 3465.93 TSMOH: 45.63

Performed Annual inspection in accordance with FAR 43, Appendix D, and with reference to Meyers 200 Annual Maintenance Checklist. The following maintenance was performed in conjunction with the inspection:

- Compressions checked as follows: #1 - 72/80, #2 - 70/80, #3 - 73/80, #4 - 67/80, #5 - 68/80, #6 - 75/80.
- Drained oil, cleaned and inspected oil suction screen.
- Serviced engine with 10qt Phillips XC20W-50, and 1pt Camguard.
- Repaired wiring to EGT probes and gauge.
- Cleaned, inspected, gapped, and rotated spark plugs.

Engine ran, no leaks noted.

AD's checked and in compliance through Biweekly 2025-13. See master list in logs.

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection, and has been found to be in airworthy condition.

Signed: *[Signature]*

Name: James Menuz

Cert:

4093622 AP/IA

Date:

07/02/2025

SUB-TOTALS this page

TOTALS carry forward to next page



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