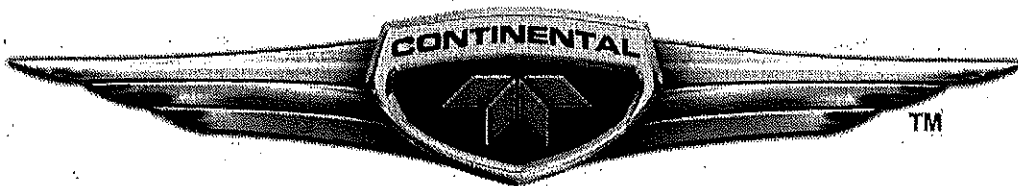
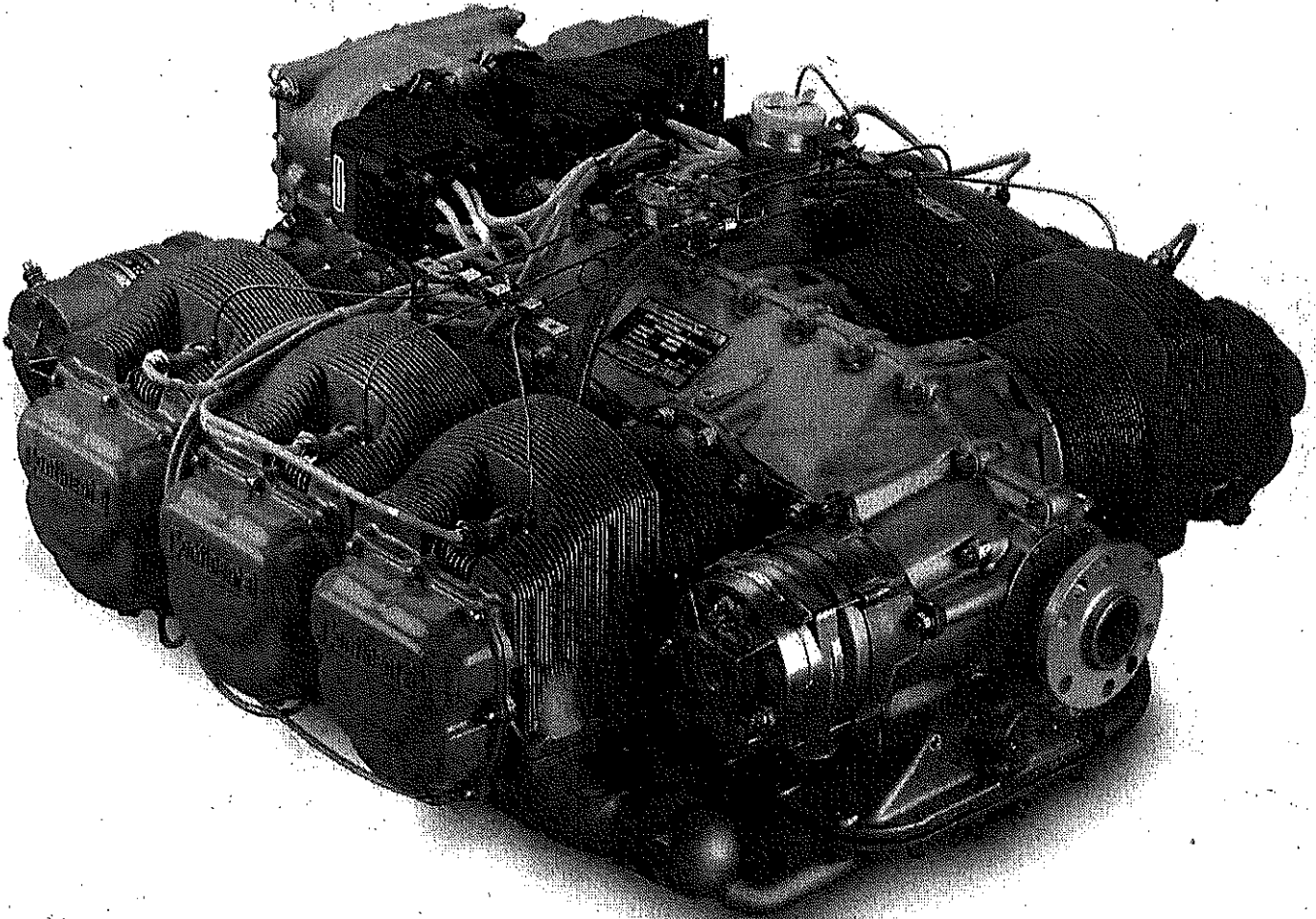


# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

## Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

## Engine Returns

All returned engines are to be shipped with this log book  
Directly to:

**Engine Return Department  
2039 Broad Street  
Mobile, AL 36615**

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



**Teledyne Continental Motors, Inc.**  
A Teledyne Technologies Company

Printed: 07/23/2008

This engine model I0550B1F, Serial No. 834769 - R was manufactured on 07/22/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



**TELEDYNE CONTINENTAL MOTORS**

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
08-21-08	0	00	0	00	Hobbs 1707.2 This engine installed on Beech A36 N8285M S/N B-2415 MAW Bonanza 36 maintenance manual and Continental Motors Installation Manual Form #X30565. Installed O/H prop. Engine leak & operational test run OK. Engine serviced with Aero-Shell 100 mineral oil. Deloyd Rankin A#P 429642582
09-15-08	TT	12.4			Oil change / Filter Change & check Deloyd Rankin Factory Tach 1748.4 A#P 429642582
11-14-08	TT	39.2	SOH	39.2	Tach 1748.6 Performed 100 hr annual inspection - Compression Test. #1 76/88 #2 74/80 #3 76/80 #4 74/80 #5 76/80 #6 74/80 Clean, gap & test spark plugs. Change oil and filter Filter checked OK. Aero-Shell 15W50. Replaced induction air filter. Checked mag timing. Engine run and checked OK. Deloyd Rankin A#P 429642582-1A 11-14-08 1748.6
04-09-09	TT	80.6	SFRM		changed oil, serviced Aero-Shell 15W50. Replaced filter, old filter checked OK. C/W initial inspection MSB 09-1 all cylinders have EQ3 heads, must be replaced by Dec 31, 2009. Engine run and leak check OK. Deloyd Rankin A#P 429642582

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward	→			

Make: Teledyne Continental Motors  
 Model: IO550B1  
 Serial No.: 834769-R



Date: 06/19/2009  
 Hobbs Time: 1816.8  
 Total Time: 107.6

TCM Customer Support Center, 8600 County Rd 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. ID4R254M

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition.

**Work Performed:** Complied with TCM MSB09-1A by removing all 6 cylinders and installing factory new cylinders and valve assemblies, rings, gaskets and seals. Cylinder serial numbers #1 - AC09CC714, #2 - AC09DB788, #3 - AC09DB607, #4 - AC09CC351, #5 - AC09DB328 & #6 - AC09DC300. Changed oil and filter. Serviced engine with Aeroshell 100 mineral oil. Completed a ground run check and leak check. -----END-----

Authorized Signature For Repair Station ID4R254M: Michael C Gindsey  
 Details of the work performed is on file under Work Order No. 4259

08-04-09 Hobbs 18320 TSPRM 127.8  
 Drained oil, replaced oil filter. Cleaned & gapped top spark plugs. Serviced Aero-Shell 15W50. Compression test #1 74/80 #2 72/80 #3 74/80 #4 74/80 #5 74/80 #6 74/80. Engine runs, leak and operational check OK. Delayed Rankin A&P 429642582

12-04-09 Hobbs  
 Performed 100 hr inspection 14W Borings. Serviced manual check list. Clean and gapped test spark plugs. Perform compression test #1 74/80 #2 74/80 #3 74/80 #4 74/80 #5 75/80 #6 72/80. Cleaned fuel injectors. Drained oil, changed oil filter, opened, no extraneous material. Serviced 118th Aero Shell 15W50. Checked engine timing. cleaned engine, run and checked OK.

INSPECTED BY: [Signature]  
 WITH A 100 hr  
 TO BE IN AIR  
 WORK LOG NO. [Signature]  
 A&P 429642582  
 A&P NO.

12-04-09

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

4-27-11, N-8285M, IO-550B1F, S/N 834769-R, HOBBS:2171.4, FTSN : 462.2  
 PERFORMED 100 HR. INSPECTION AS PER BEECH SERVICE MANUAL. CLEANED AND  
 REGAPPED SPARK PLUGS. SERVICED ENGINE OIL WITH 12QTS. AEROSHELL 100, AND  
 FILTER P/N AA48109-1. [NO DEFECTS IN OLD FILTER]. SERVICED FUEL SCREEN.  
 INSTALLED 6 NEW SPARK PLUGS P/N RHB32E. SERVICED FUEL INJECTION NOZZLES.  
 CHECKED TIMMING. OK. INSTALLED NEW FILTER ELEMENT BA-7112. COMPRESSION  
 CHECK #1/70, #2/38, #3/72, #4/74, #5/40, #6/74. REPLACED #2,#5 CYLINDER ASSY. P/N  
 TIST71.4CCA, PISTON P/N AEC630046, PISTON PIN P/N AEC630046, ROCKER ARM EX. P/N  
 652130, ROCKER ARM IN. P/N 652131. ADJUSTED UNMETERED FUEL PRESSURE 8.2 PSI @  
 600 RPMS, 36.2 @ 2700 RPMS. METERED PRESSURE 16.9. \* NOTE PILOT WILL PERFORM  
 INFLIGHT TEST. I/A/W SID97-3E INSTRUCTIONS. ALL WORK WAS DONE IN ACCORDANCE  
 WITH BEECH SERVICE MANUAL. THIS ENGINE HAS BEEN INSPECTED I/A/W AN 100 HR.  
 INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME. END.  
 JOHN G SHARP *John G Sharp* AP3052513IA

Q AERO JACKSON Q  
 JACKSON, MISSISSIPPI

N8285M Date 6-10-11 Hourmeter 2193.8

Replaced contact points, condensor and impulse coupling spring in rt. magneto. Operational check OK.

Sheldon A Burgess A&P 2159379 *Sheldon A Burgess*

Q AERO JACKSON Q  
 JACKSON, MISSISSIPPI

N8285M Date 5-6-2011 Hourmeter 2177.6

Replaced lt. magneto. Removed p/n 10-349350-4 s/n F08GA035R. Installed overhauled magneto  
 p/n 10-349350-4 s/n 8541. Ground ran engine. Operational check OK. No leaks noted.

Sheldon A Burgess A&P 2159379 *Sheldon A Burgess*

Form A00  
Travel T

Total Time		Time Since Last Overhaul	
Hrs.	Min.	Hrs.	Min.

# Engine Service and Maintenance Record

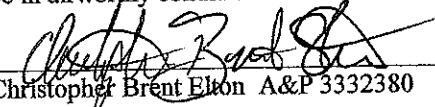
1 of 2

N8285M 5/20/2012 IO-550-B1F S/N 834769-R  
Hobbs 2428.6 ETT 719.4 SMOH 719.4

Inspected airframe IAW with a 100 hour inspection. Cleaned and washed engine. Drained oil and removed oil filter. Check of filter element found no unusual contaminates. Serviced engine with Phillips X/C 20w50. Check of cylinder compressions found #1-69, #2-70, #3-70, #4-65, #5-74, #6-69. Removed oil drain valve, installed new valve and leak checked, found satisfactory. Magneto timing and lead checks satisfactory. Removed spark plugs, cleaned, tested, and re-installed.

2 of 2

Removed all fuel injectors, maintaining proper cylinder position, cleaned injectors, inspected and re-installed, leak check satisfactory. Applicable AD's complied with, see AD listings. Ground run and ops check satisfactory, no defects noted. I certify that this engine has been inspected in accordance with a 100 hour inspection as per Federal Aviation Regulation and determined to be in airworthy condition.

  
Christopher Brent Elton A&P 3332380

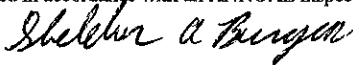
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## Q AERO JACKSON Q

JACKSON, MISSISSIPPI

N8285M Engine Date 6-18-2013 Hourmeter 2545.1 Total Time 835.9

Compression check (1) 71/80 (2) 71/80 (3) 65/80 (4) /80 (5) 68/80 (6) 76/80. Replaced # 4 cylinder with overhauled cylinder assy. with new rings from Gibson Aviation. See attached 8130 tag. Inspected oil filter. No metal found. Cleaned and gapped sparkplugs. Fuel strainer cleaned. Compressor idler pulley bearing replaced. p/n 643368. Retorqued and safetied rt. muffler attach bolts. Magneto timing checked. Brackett filter element replaced. p/n BA7112. Engine washed and ground ran. Operational checks OK. No leaks noted.


I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.  
Sheldon A Burgess A&P 2159379 IA 

**Engine Service and Maintenance Record**  
 Installations, Inspections, Airworthiness Directives, Special Inspections,  
 Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought For	<b>Q AERO JACKSON Q</b>			
	JACKSON, MISSISSIPPI			
	N8285M	Engine	Date 8-1-2014	Hourmeter 2566.0 Total Time 856.8
	Compression check (1) 64/80 (2) 48/80 (3) 62/80 (4) 60/80 (5) 58/80 (6) 62/80. Changed oil and filter. Inspected oil filter. No metal found. Serviced engine with 12qts Phillips X/C 20W50 oil. Cleaned and gapped sparkplugs. Replaced 6ea. sparkplugs. Intake duct replaced. Mixture cable replaced. Fuel strainer cleaned. Retorqued lt magneto mount base to main body housing bolts. Reinstalled and timed lt magneto. Magneto timing checked. Brackett filter element replaced. p/n BA-7112. Engine washed and ground ran. Operational checks OK. No leaks noted.			
	I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Sheldon A Burgess A&P 2159379 IA <i>Sheldon A Burgess</i>			

→ **HAWKINS JET CENTER** →  
 JACKSON, MISSISSIPPI

N 8285M	Date 4-1-2015	Hourmeter 2581.9
Flushed oil pump pickup. Resealed oil pump. Replaced oil pan and aft accessories gaskets. Tach drive seal replaced. Reinstalled engine and serviced with 12 qts Phillips 20W50 X/C oil. Replaced lt magneto. Installed p/n 10-349350-4 s/n L229437F magneto. Ground ran engine. Operational check OK.		
Sheldon A Burgess A&P 2159379 <i>Sheldon A Burgess</i>		



**WESTERN Skyways INC.**  
**GOLD SEAL AIRCRAFT ENGINES**  
 21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-550-B  
 Serial Number: 834769-R  
 Time: UNKNOWN TTE  
 Work Order: W051664 Date: 10 SEP 2015

This engine was disassembled and inspected for a prop strike inspection per TCM SB96-11B. Crankcase M/N: I279012RPL was fluorescent penetrant inspected. Crankshaft S/N: N06EA027 ultrasonic and magnetic particle inspected. Installed serviceable camshaft P/N: 655008, S/N: 52325-5 certified by EC Services. under their W/O 150336. Installed lifters, P/N: 653877 and P/N: 653888 certified by Aircraft Specialties Services under their W/O 232749. Installed a serviceable Magneto Drive Gear, P/N: 641742 certified under our W/O W051776. 3 ea Cylinders, P/N: 655469, S/N: AC09CC714, AC09DB607, AC09DC300, installed in positions 1, 3, 6 were honed to P05 limits and a new ring set P/N: SA5000-SC-P05 installed. 2ea Cylinders, P/N: AEC631397 ST, S/N: 74306-10, 74100-20 installed in positions 2, 5, were honed to P05 limits and ring ses P/N: SA500-SC5 P05 installed. 1ea Cylinder, P/N: 653445, S/N: 10188 installed in position 4 was honed to STD limits and new ring set, P/N: CN110 installed. Installed Vernatherm, P/N: 639305, S/N: 130169 certified under our W/O W051700-599. Magnetos, P/N: BL-349350-4, BL-349350-5, S/N: 229437F and F08FA310 were 500 hour inspected.

Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new crankshaft & counterweight bushings, pins, plates, and snap rings, new gaskets and seals as necessary. Engine was run in a test cell for leak and operations check. Assembled I/A/W Western Skyways, Inc. Repair Specification WS-100 "Use and Application of Hylomar Sealant" dated 11/10/2010, Continental Motors, Inc. Overhaul Manual M16 and applicable service publications.

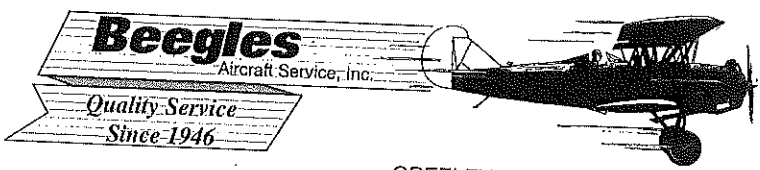
The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed: *Larry Flatten*  
 Larry Flatten  
 CRS# WS9R575J

Form 201E

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

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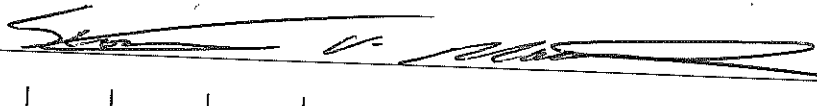
GREELEY, CO  
REPAIR STATION BX4R092M  
(970) 353-9200

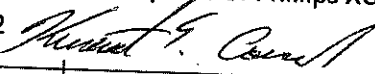
11-12-2015 N8285M sn E-2815 Hobbs 2592.10 AFTT 2592.10  
Eng TTSN 881.90 Prop TTSN 0.00

Reinstalled Continental IO-550-B sn 834769-R after propeller strike inspection from Western Skyways, Inc. CRS # WS9R575J WO# 51664 using existing mounts. Torqued and saftied as required. Reinstalled McCauley propeller governor Model # C290D3J/T23 sn 930315 after overhaul from Redline Aviation CRS # R62R296Y WO# 2529. Installed overhauled vacuum pump Model # AA216CW sn 08MM17 from Aero Accessories, Inc. CRS # YV4R688NM WO# 108MM-0000. Installed overhauled alternator pn 649304 sn J269313.0 from Quality Aircraft Accessories, Inc. CRS # QYIR334Y WO# 009407. Installed D'Shannon Products, LTD STC # SA368CH engine cooling baffle kit, see FAA 337 Form dated 11-02-2015. Relocated CHT probe to # 2 cylinder per kit instructions, Manual DSP-IM95-2. Reinstalled existing standby generator and LH muffler. Installed new FAA PMA Aerospace Welding, Inc. LH tail pipe pn A35-950005-61, new RH muffler pn A701-19, and RH tail pipe pn A35-950005-57. Installed new breather tube pn 35-910007-11. Routed and reconnected all lines, hoses, ducting, electrical, and controls. Serviced engine with Aeroshell 100 mineral oil. Pre-oiled, test run, and checked for leaks. All systems, temperatures, pressures, and RPM's normal. Performed 100 hour inspection, engine found to be in an airworthy condition at this time [no compression test performed due to new cylinder/piston rings]. I certify this engine has been inspected IAW scope and detail of an annual inspection IAW FAR 43 Appendix D and found to be in airworthy condition at this time.

This aircraft was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details on file at Beegles Aircraft Service, Inc., Greeley, CO.  
Work Order # 12,207 CRS# BX4R092M

Signed 

11/22/2016 N8285M 2681.2 Hobbs  
Warmed engine, Drained oil and replaced filter with new 48108-2 filter. Inspected old filter for debris and none was found. Serviced engine with 11 quarts of Phillips XC 20W-50 and test run. No leaks noted.  
Kenneth E. Aasand AP/IA 3335662 



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward $\longrightarrow$					

N8285M 12/19/2016 2684.5 Hobbs 92.4 STO H 975.3TSN

Test run engine and drained oil. Checked screen for debris none found. Comp check #1 73/80 #2 70/80 #3 73/60 #4 76/80 #5 76/80 #6 75/80. Master orifice was 42psi. Boroscope of cylinders no problems found. Verified magneto timing. Replaced all 12 spark plug with new URHB32E plugs. Engine is serviced with 11 qts Phillips 20W-50. Test run engine no problems found. See also separate AD listing. I certify I have inspected this engine in accordance with a 100 hour inspection and found it to be airworthy at this time.

Kenneth Aasand AP/IA 3335662 *Kenneth A. Aasand*

N8285M 12/23/2017 2760.8 Hobbs

Test run engine and drained oil. Checked filter for debris none found. Installed new 48108 filter Comp check #1 68/80 #2 65/80 #3 69/60 #4 74/80 #5 72/80 #6 71/80. Master orifice was 42psi. Boroscope of cylinders no problems found. Verified magneto timing. Serviced with 11 qts Phillips 20W-50. Test run engine no problems found. See also separate AD listing. I certify I have inspected this engine in accordance with a 100 hour inspection and found it to be airworthy at this time.

Kenneth Aasand AP/IA 3335662 *Kenneth A. Aasand*

N8285M 3/25/2019 2788.6 Hobbs

**1078.4 SFRM**

Test run engine and drained oil. Checked filter for debris none found. Installed new 48108 filter Comp check #1 65/80 #2 64/80 #3 63/60 #4 74/80 #5 63/80 #6 64/80. Master orifice was 42psi. Boroscope of cylinders no problems found. Verified magneto timing. Serviced with 11 qts Phillips 20W-50. Test run engine no problems found. See also separate AD listing. I certify I have inspected this engine in accordance with a 100 hour inspection and found it to be airworthy at this time.

Kenneth Aasand AP/IA 3335662 *Kenneth A. Aasand*