

ENGINE LOG BOOK



Service Information

Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.


If internet access is not available, contact our Customer Service Department at:
 1-888-826-5465 Toll free in the United States or
 1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:
Continental Motors, Inc.
 2039 Broad Street
 Mobile, AL 36615 USA

Return engines for overhaul with this log book to:
Mattituck Services
 410 Airway Drive
 Mattituck, NY 11952 USA

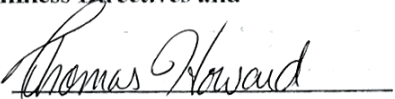
**USE ONLY FUEL CONFORMING TO ASTM D910
 USE OF AUTOMOTIVE FUEL IS PROHIBITED**



Continental Motors, Inc.

Production Certificate 508
 Printed: 6/11/2012
 Test Date: 6/8/2012

This engine model I0550D13B, serial number 1006685 was rebuilt by 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 Continental Motors Service Bulletins.



Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins					



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

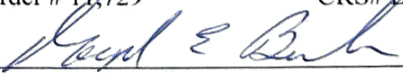
08-13-2012 N185GS sn 18503646 Old Tach 1538.10 New Tach 0.00
 AFTT: 1538.10 Eng TTSFR: 0.00 Prop TTSN: 0.00

Installed factory rebuilt Continental Motors, Inc. IO-550-D sn 1006685. In accordance with P. Ponk Aviation STC # SA00344WI installed tachometer pn RT-7 sn 1548713-W and manifold pressure/fuel flow gauge pn G331H35 sn 141001. Installed new engine mounts pn (2) J15198-1 and (2) pn J15198-2. Torqued and saftied as required. Installed Acorn Welding LTD STC # SA00780NY flame cone less muffler pn C1851D, see FAA 337 Form dated 08-01-2012. Repaired and repainted baffles. Replaced oil cooler baffles pn AF0755050-9 and FA0755002-90. Installed new fuel, oil, and map hoses: main fuel supply pn 111F417-GS0244, fuel transducer to flow divider pn 111F417-4S0040, fuel vapor return pn 124F001-4CR0180, oil psi pn 124F001-3CR0234, oil drain pn 111F417-6S0130, and M.A.P. pn 193F000-2D0160. Replaced induction tube heat shield pn 0750143-1. Installed new bracket air filter element p BA8103-1. Replaced Mil-H-6000 hose and scat tube ducting. Routed and reconnected electrical and lines. Replaced air oil separator syphon pump pn W-2031. Rugged throttle, mixture, and propeller controls stop to stop. Performed operational check. Serviced engine with new champion oil filter pn CH48109-1 and Aeroshell 100W mineral oil and pre-oiled. Gapped and installed new champion spark plugs pn RHB-32E. Installed overhauled Kelly Aerospace alternator Model # D0FF10300BR sn K0320019 and alternator belt pn 53947-31.19. Installed new vacuum pump Model # RAP 216CW sn B26068. Reinstalled McCauley propeller governor Model # C290D3D/T9 sn 782698 after overhaul from Redline Aviation CRS# R62R296Y WO#897. Test run and checked for leaks. Adjusted oil pressure, fuel flows, and pressures. Adjusted governor RPM. All systems, temperatures, RPM's, and pressures normal.

"I certify this engine has been inspected in accordance with scope and detail of annual inspection in accordance with FAR 43, Appendix D".

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 # 11729 CRS# BX4R092M

Signed 

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward	→		94	39	THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH 100 HR INSPECTION. COMPRESSION VALUES COLD - CYL #1 ⁸⁰ / ₇₄ , #2 ⁸⁰ / ₇₄ , #3 ⁸⁰ / ₇₈ , #4 ⁸⁰ / ₇₆ , #5 ⁸⁰ / ₇₅ , #6 ⁸⁰ / ₇₅ . CHECKED MAG TIMING, CLEANED FUEL INJECTORS, PRESSURE CHECKED EXHAUST SYSTEM - NO LEAKS. INSTALLED NEW INDUCTION AIR FILTER P/N BA103-1. CLEANED GAPPED AND TESTED SPARK PLUGS. CLEANED FUEL SCREEN. THIS ENGINE WAS FOUND TO BE IN AN AIRWORTHY CONDITION. <i>John Campbell 456293138 AP</i>
					September 1, 2013 N185GS Model: IO-550-D SN: 1006685 Engine TTSFR: 94.39 Tach: 94.39 Complied with an annual engine inspection as per the Cessna and TCM service manuals. I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. <i>Patrick C. Atkinson</i> Patrick C. Atkinson A&P1930873 I.A.
3-1-14			100	00	Installed Horizon P-1000 Digital Tachometer in accordance with P. Park Aviation STC # SA00344W1. Tach was set at 100.00 hours by Horizon and installed at 100.00 hours. <i>John Campbell 456293138 AP</i>
4-8-14			102	00	Drained oil and removed filter. Oil was filled with 11 qts Aeroshell 100W. New Champion 109-1 Installed. Old Filter checked for metal. None Found. All performed

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward	→				In accordance with Cessna Maintenance Manual. <i>W. My Sam - Owner</i>
					Inspected engine in accordance with Manufacturers checklist. Changed oil and cleaned screen. Replaced with 10 qts. Aeroshell 100W. Cleaned and gapped spark plugs. Installed intake air filter. Checked compressions. #1-68 #2-70 #3-70 #4-72 #5-68 #6-70. Test run engine and checked for leaks. I certify that this engine has been inspected and found to be in airworthy condition. <i>John Campbell 456293138</i> N19565 10-1-14 Tach 161-6 SMO 4/16/16
11-01-15			N185GS		Tach: 198.7 Total Engine Time: 198.7
					Performed 100 hour inspection I/A/W manufactures service manual & approved 100 hour checklist. Compression #1-74, #2-68, #3-72, #4-74, #5-75, #6-68. I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition. <i>John C. Campbell</i> John C. Campbell 456294138 A&P
			12-01-2016		N185GS Tach: 297:44 Engine Total Time: 297:44
					Checked compression. #1-72, #2-74, #3-70 #4-72, #5-70, #6-76. Changed oil and replaced with 11 quarts of Aeroshell 100W. I certify that this engine has been inspected in accordance with a 100 hour inspection and determined to be airworthy. All AD's current. <i>John C. Campbell</i> John C. Campbell 456293138 A&P
02-01-2019			N185GS		Tach: 335.38 Total Engine Time: 335.78
					Performed 100 inspection I/A/W Manufacturers service manual & approved 100 hour checklist. Compression #1-73, #2-62, #3-65, #4-64, #5-76, #6-74. Drained oil and replaced with 12 qts Aeroshell 100W. Removed and checked oil filter for metal. None found. Replaced oil filter with Champion 109-1. Installed 12 new Tempest URHB32E spark plugs. Washed engine, ran and checked for leaks. None found. I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in airworthy condition. <i>John C. Campbell</i> John C. Campbell 456294138 A&P

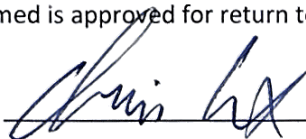
DATE: 09/11/2023 ACFT: N185GS S/N: 18503646 ATT: 2067.2

1. Complied with 100 hour/annual inspection IAW Cessna Model 185 Service Manual. Researched AD's. Cleaned and packed wheel bearings.
2. Riggged all flight control cables. Ops check good.
3. Complied with AD 84-10-01 R1 and AD 2011-10-09 with no defects noted.
4. Removed and installed ELT Battery P/N 452-6499 S/N 1002384-042 with expiration date of SEP/2030.
5. Removed and installed new main battery P/N RG24-11 S/N 41305077.
6. Removed and reinstalled Engine Model IO-550-D S/N 1006685. Ops and leak check good.
7. Removed and Installed new Propeller Model D3A34C401/90DFA-4 P/N P4014808-08 S/N 221026. Ops and leak Check good.
8. For complete details of structural repairs performed, see R & C Aviation work order 2104.

For details see R & C Aviation Work Orders # 2104 & 2135

I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

I certify that this aircraft has been repaired and inspected IAW current regulations of the FAA and with respect to the work performed is approved for return to service.



Chris Cox For:
R&C Aviation
CRS# R38R898Y

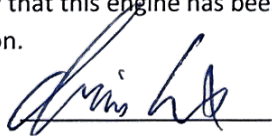
R & C Aviation INC CRS# R38R898Y

DATE: 09/06/2023 Model IO550-D S/N: 1006685 TTSO: 529.9

1. Removed and reinstalled engine on Cessna 185F N185GS S/N 18503646.
2. Performed Annual/100 Hour Inspection with no defects noted at this time.
3. Serviced with Aeroshell W100 oil.

See R&C Aviation Work Order 2104 & 2135 For Details.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Chris Cox For: R&C Aviation CRS# R38R898Y

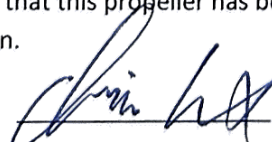
R & C Aviation INC CRS# R38R898Y

DATE: 09/06/2023 Model D3A34C401-C S/N 221026 TTSO: 0.00

1. Removed and Installed propeller Model D3A34C401/90DFA-4 P/N P4014808-08 S/N 221026 on engine Model IO-550-D S/N 1006685.
2. Performed Annual/100 Hour Inspection with no defects noted at this time.

See R&C Aviation Work Order 2104 & 2135 For Details.

I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Chris Cox For: R&C Aviation CRS# R38R898Y

MENA AIRCRAFT ENGINES, INC. - - FAA CRS#S9QR340N

Date: August 14, 2023 Engine Total Time : 2067.20 hours Engine Hours: 529.50
Engine Data: Continental Motors, Inc. model IO-550-D Serial Number: 1006685
Aircraft Information: Cessna A185F Registration #185GS Serial Number: 18503646 1978

WORK PERFORMED: inspected and repaired due to propeller strike in accordance with Continental Motors manual #X30607 and Continental Motors parts catalog #X30606. following components repaired, overhauled, and/or replaced as described

COMPONENTS

crankshaft/counterweight assembly: magnafluxed, inspected, rod and main journals STD, cadmium plated and baked flange, rebushed blades and counterweights, installed counterweights with all new parts, ultrasonic tested i/a/w TCM MSB#96-10A, dynamically balanced per procedure #98-002, and certified by Aircraft Specialties of Tulsa, OK w/o 277052 FAA CRS#DD2R764K.

connecting rods(6): magnafluxed and inspected by Barrett Precision Engine of Tulsa, OK w/o 12852 FAA CRS#Q8RR231Y.

internal steel: cleaned and magnetic particle inspected by Aircraft Specialties of Tulsa, OK w/o 277052 FAA CRS#DD2R764K.

camshaft: p/n 655384 - magnafluxed, inspected, reground, phosphate coated, and certified by Aircraft Specialties of Tulsa, OK w/o 277052 FAA CRS#DD2R764K.

hydraulic lifters(12): p/n 658088, 658077 - inspected, overhauled i/a/w drawing #2002-01, and certified by Aircraft Specialties of Tulsa, OK w/o 277052 FAA CRS#DD2R764K.

crankcase: casting #653960, match #R12CA242 – zyglod, inspected, dimensionally checked, repaired, surfaced, align-bored, stress relieved, and certified by DIVCO of Tulsa, OK w/o 138151 FAA CRS#DB2R762K.

engine mount legs(4): c/n 529518- cleaned, zyglod, inspected, repaired, and certified by Divco of Tulsa, OK w/o 15172 FAA CRS#DB2R762K.

cylinders(6): visually inspected, valves leak-checked, cleaned and honed cylinder bores, cleaned pistons, assembly pistons with new custom fitted piston rings by Mena Aircraft Engines, Inc. of Mena, AR w/o 2447CYL FAA CRS#S9QR340N.

valve rocker arms(12): magnafluxed and inspected by Barrett Precision Engines of Tulsa, OK w/o 12852 FAA CRS#Q8RR231Y.

magneto: p/n BL-349350-4 ,s/n F12EA297R, mfg. CMI –inspected, overhauled, tested, and certified by Mena Aircraft Engines, Inc. of Mena, AR w/o 2447A FAA CRS#S9QR340N.


magneto: p/n BL-349350-5, s/n F12EA329R, mfg. CMI – inspected, overhauled, tested, and certified by Mena Aircraft Engines, Inc. of Mena, AR w/o 2447B FAA CRS#S9QR340N.

fuel pump assembly w/nozzles(6): p/n R-646212-45A7 - inspected, overhauled, and tested by Mike's A/C Fuel Metering Service of Tulsa, OK w/o 3277 FAA CRS#HK2R875K.

propeller governor: p/n C290D3J/T9, s/n 782698 – inspected, overhauled, tested, and certified by Aircraft Accessories of Tulsa, OK w/o 57150 FAA CRS#RV3R928L.

NEW PARTS INSTALLED

Major repair gasket and seal set, crankshaft oil seal, crankshaft damper bushings, counterweight bushings, pins, plates, and snap rings, crank gear screws, connecting rod bolts, connecting rod nuts, connecting rod bearings STD, camshaft gear screws, main bearing set STD, starter adapter pilot needle bearing, 12-point cylinder base nuts, fuel pump drive coupling, magneto drive cushions, oil filter, rocker shaft locktabs, cylinder drain seals, REAL GASKET push rod seal kit, nozzle washers, induction tube hoses, nose seal retaining plates, oil pressure relief valve plunger, piston rings P005, valve keepers, crankshaft oil plug. supplied exhaust gaskets and nuts.

Engine Sign-Off: this engine repaired in accordance with current and applicable FAA data and procedures and is approved for return to service. pertinent details of the repair are on file at this repair station #S9QR340N under work order #23A-2447 by Mena Aircraft Engines, Inc. of Mena, AR  #2549814 08/14/2023