

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 07/01/2007

This engine model TSI0550C11, Serial No. 802858 was manufactured on 03/17/2007 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

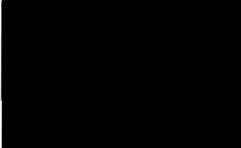
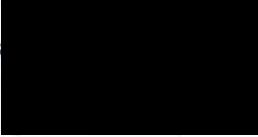
Service Information

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:

Teledyne Continental Motors
2039 Broad Street
Mobile, AL 36615

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
ENGINE MODEL: ENGINE S/N: REG. NO: 61BP WORK ORDER: 7966   DATE: 7/29/2008 A/C TSN: ENG TT: HOBBS: 78.1					
Engine Entries (1) Completed oil and filter change, inspected oil filter and found no contamination. Added 8qts of 20w50 oil.... (2) TOOK OIL SAMPLE AND SENT OUT FOR ANALYSIS. The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Details of the repair are on file at this repair station under work order listed below. DATE: 7/29/2008   Work Order: 7966 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: ENGINE S/N: REG. NO: 61BP WORK ORDER: 8228   DATE: 12/24/2008 A/C TSN: 129.9 ENG TT: HOBBS: 129.9					
Engine Entries (2) ANNUAL/ENGINE - Drained oil, change filter and/or cleaned screens, no contamination found. Cleaned and gapped spark plugs, check compression using 80 psi as reference: #1) 74/80 #2) 75/80 #3) 75/80 #4) 74/80 #5) 68/80 #6) 75/80 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required.... (18) COMPLIED WITH SID-973E, BY SETTING FUEL FLOWS, IAW SERVICE INSTRUCTIONS AND ENGINE MM. The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Details of the repair are on file at this repair station under work order listed below. DATE: 12/24/2008   Work Order: 8228 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: ENGINE S/N: REG. NO: 61BP WORK ORDER: 8366   DATE: 4/30/2009 A/C TSN: 138.3 ENG TT: HOBBS: 138.3					
Engine Entries (4) INSTALLED TWELVE NEW SPARK PLUGS.... (6) REMOVED AND REPLACED ALTERNATOR WITH NEW. REMOVED P/N:NC71200-1, S/N:H050810, INSTALLED P/N:NC71200-1, S/N:1120572. INSTALLED NEW BELT, TENSIONED TO SPEC. The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Details of the repair are on file at this repair station under work order listed below. DATE: 4/30/2009   Work Order: 8366 Printed by EBis 3 (datcomedia.com)					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
ENGINE MODEL: ENGINE S/N: REG. NO: 61BP WORK ORDER: 6510  DATE: 7/10/2009 A/C TSN: 157.5 ENG TT: 157.5 TSMOH: 157.5 HOBBS: 157.5					
Engine Entries (1) Completed oil and filter change, inspected oil filter and found no contamination. Added 8qts of 20w50 oil. The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below. DATE: 7/10/2009 Inspector 2 Work Order: 8510 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: ENGINE S/N: REG. NO: 61BP WORK ORDER: 8754  DATE: 11/17/2009 A/C TSN: 181.5 ENG TT: 181.5 TSMOH: 181.5 HOBBS: 181.5					
Engine Entries (3) Completed oil and filter change, inspected oil filter and found no contamination. Added 8qts of 20w50 oil. The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below. DATE: 11/17/2009 Work Order: 8754 Printed by EBis 3 (datcomedia.com)					
ENGINE MODEL: TSIO-550-C ENGINE S/N: 802858 REG. NO: 61BP WORK ORDER: 8818  DATE: 1/11/2010 A/C TSN: 187.7 ENG TT: 187.7 HOBBS: 187.7					
Engine Entries (2) ANNUAL/ENGINE - Drained oil, change filter and/or cleaned screens, no contamination found. Cleaned and gapped spark plugs. check compression using 80 psi as reference: #1) 72/80 #2) 73/80 #3) 73/80 #4) 74/80 #5) 69/80 #6) 75/80 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below. DATE: 1/11/2010 Work Order: 8818 Printed by EBis 3 (datcomedia.com)					

DATE -- 4 APRIL 2013
MAKE -- TCM
M/N -- TSIO550C11
S/N -- 802858
REG. # N61BP
HOBBS: 273.2

ENTER IN : ENGINE RECORD

COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION ACCOMPLISHED PER AERO INDUSTRIES, INC. FORM 005. ENGINE COMPRESSION TESTS: #1 70/80, #2 69/80, #3 66/80, #4 78/80, #5 64/80, #6 72/80, MASTER ORIFICE: 44/80. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1, TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 7 QTS PHILLIPS 20W50 OIL AND CAM GUARD ADDITIVE. COMPLIED WITH BRACKETT INDUCTION FILTER ICA PER DOC # I-194 DATED 3/16/1994 AND REPLACED FILTER WITH NEW BA345E. COMPLIED WITH BORESCOPE ON ALL SIX CYLINDERS. NO ABNORMAL SIGNS NOTED ON CYLINDERS OR VALVES. COMPLIED WITH LUBRICATION ON WASTEGATE VALVE WITH MOUSEMILK. COMPLIED WITH INSPECTION FOR AD2011-13-03 DATED 7/13/2011 PER PARA STEP (D) 2 FOR TURBOCHARGER INSPECTION OF CHRA FOR DEBRIS AND FOUNDRY MARKINGS. BOTH OF INSTALLED TURBOCHARGERS HAVE "JT" FOUNDRY MARKINGS WHICH EXCLUDES THEM FROM FURTHER AD2011-13-03 ACTIONS. AD2012-03-06 C DATED 2/24/2012 DOES NOT APPLY TO THE INSTALLED TCM TSIO-550C ENGINE BASED ON FUEL SYSTEM CONFIGURATION. RSA TYPE SERVO FUEL INJECTION UNITS ARE NOT USED ON THIS ENGINE, NO FURTHER ACTION REQUIRED. ALL APPLICABLE AD'S ARE CURRENT AND COMPLIANCE RECORDS ARE AMENDED TO REFLECT CURRENT DATA. COMPLIED WITH ALL LEAK AND OPERATIONAL CHECKS ASSOCIATED WITH THE ANNUAL INSPECTION AND REPAIRS. ALL ITEMS CHECKED SATISFACTORILY. THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. IN ADDITION TO THE ABOVE REPAIRS, I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH THE CESSNA 400 AMM CHAPTER 5-20-00 INSPECTION CHECKLIST FOR AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS OF THIS INSPECTION AND/OR REPAIRS ABOVE ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. 56990. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER. AIRCRAFT TOTAL TIME: 273.2 HOURS ETSN: 273.2 HOURS

DATE -- 17 SEPT 2014
MAKE -- TCM
M/N -- TSIO550C11
S/N -- 802858
REG. # N61BP
HOBBS: 280.3

ENTER IN : ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection accomplished per Aero Industries, Inc. Form 005. Engine compression tests: # 1 70/80, # 2 64/80, # 3 64/80, # 4 70/80, # 5 66/80, # 6 70/80, Master Orifice: 44/80. Complied with oil change: Took oil sample with kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 7 QTS Phillips 20W50 Oil. Complied with Brackett Induction Filter ICA per Doc # I-194 dated 3/16/1994 and replaced filter with new BA345E. Complied with TCM MSB 94-8D dated 2/17/2010 for magneto to engine timing, no defects noted and both set at 24.5 degrees and 24.0 degrees. Complied with Cessna SEB-28-02 dated 4/8/2014 for Fuel - low fuel pressure switch sealing with RTV 164 as required by SEB. Magneto air filter if missing orifice plug: Replaced missing reducer with new TCM P/N 653385 per TSIO-550 M/M. # 3 top spark plug cracked: Replaced spark plug with new P/N RHB32S per TSIO-550 M/M. LH alternator arm bushing is wrong part: Replaced with correct P/N 2858100-9 per Cessna SB 10-24-01 dated 12/10/2010. Engine baffle has chaffed oil filler/breather tube assembly P/N 654627-3. Removed oil filler/breather tube assembly for weld repair: Re-installed repaired engine filler/breather tube assembly P/N 654627-3 with new o-rings and gasket P/N'S MS9970-116, MS9970-117 & . Complied with time change replacement of LH alternator belt with new P/N 25-060325 per Cessna 400 AMM and TCM TSIO-550 M/M. All applicable AD's are current and compliance records are amended to reflect current data. Complied with all leak and operational checks associated with the annual inspection and repairs, all items checked satisfactorily. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 58720. Complied with final inspection for work accomplished under this work order. Aircraft Total Time: 280.3 Hours ETSN: 280.3 Hours

Signature

DATE -- 18 SEPT 2015
MAKE -- TCM
M/N -- TSIO550C11
S/N -- 802858
REG. # N61BP
HOBBS: 310.1

ENTER IN : ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection accomplished per Aero Industries, Inc. Form 005. Engine compression tests: # 1 62/80, # 2 70/80, # 3 68/80, # 4 64/80, # 5 60/80, # 6 70/80, Master Orifice: 44/80. Complied with oil change: Took oil sample with kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 7 QTS Phillips 20W50 Oil and 1 can of CamGuard. Complied with Brackett Induction Filter ICA per Doc # I-194 dated 3/16/1994 and replaced filter with new BA345E. Complied with TCM MSB 94-8D dated 2/17/2010 for magneto to engine timing, no defects noted. Borescoped all cylinders, all valves and cylinder walls look normal, no defects noted. # 3 cylinder lower spark plug cracked: Replaced plug with new P/N RHB32S per TSIO-550 M/M. All applicable AD's are current to date and compliance records are amended to reflect current data. Complied with all leak and operational checks associated with the annual inspection and repairs, all items checked satisfactorily. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service.

In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 60416. Complied with final Inspection for work accomplished under this work order. Aircraft Total Time: 310.1 Hours ETSN: 310.1 Hours

Signature

DATE -- 7 OCT 2015
MAKE -- COLUMBIA
M/N -- 400
S/N -- 41800
REG. # N61BP
HOBBS: 310.1

ENTER IN : AIRFRAME/ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.

1. Engine will not stay running when cold, replace engine fuel manifold valve: Removed and replaced fuel manifold valve. Removed P/N 646433-14A1 S/N C07AA183 and installed (new) P/N 646433-12A4 S/N C15IA165 in accordance with CMI TSIO-550 M/M, leak check good.
2. Comply with fuel set-up on engine: Complied with fuel set-up per SID97-3F using Porta-Tester. Parameters as follows: Low pressure fuel 8.4, adjusted idle mixture 1 ¼ turns CW (Lean), Magneto rise 40 RPMs, adjusted slope 1 blade width CCW, decreased manifold pressure to 35.6, adjusted high pressure fuel ¼ turn CCW, increased fuel flow to 38.0 @ 2580 RPM, all per SID97-3F. Removed test equipment, leak check good.
3. Complied with Cessna SEL-71-04 dated 9/24/15 using CMI CSB15-2 dated 7/2/15 for removing existing manifold AN918-XX and installing new manifold P/N 658607 per CSB, leak check good on engine run.
4. Autopilot kicks off (Get pitch trim and roll trim lights): Removed pitch and roll servo's and adjusted torque settings on capstans. Re-installed pitch and roll servo mounts per Garmin G1000 M/M and Cessna 400 AMM, operational check good. Complied with autopilot return to service check per G1000 M/M, operational check good.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final Inspection for work accomplished under this work order. 60469**

Signature

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					



DATE - 30 OCT 2015
MAKE - COLUMBIA
M/N - 400
S/N - 41800
REG. # N61BP
HOBBS: 312.0

ENTER IN: AIRFRAME/ ENGINE RECORD

Complied with the following in accordance with Cessna 400 m/m TSIO550C m/m unless otherwise noted: Preliminary inspection accomplished in accordance with Aero Industries, Inc. Form 005. **Removed cowlings, removed spark plugs, cleaned plugs and inspected plugs, all plugs found to be good. C/W compression checks, all well within limits. Checked all ignition wires with tester. All checked good. Reinstalled spark plugs with new gaskets. Reinstalled cowlings.** The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final inspection for work accomplished under this work order. #60577**

Signature



DATE -- 19 NOV 2015
MAKE -- COLUMBIA
M/N -- 400
S/N -- 41800
REG. # N61BP
HOBBS: 312.4

ENTER IN: AIRFRAME/ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection accomplished in accordance with Aero Industries, Inc. Form 005.

1. Left magneto runs rough at 7000'. Customer requests to have Right magneto looked at also: Removed both magnetos for inspection and repairs, P/N 10-500556-101 S/N'S D07CA144 & D07FA188. Installed newly rebuilt replacement magnetos P/N BL-500556-101 S/N'S D15KA097R & D15KA096R and timed to engine in accordance with CMI TSIO-550 M/M. operational and leak check good, 30/40 mag drop on run.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final inspection for work accomplished under this work order. 60584**

Signature



The World's Most Experienced Cessna Corvallis Service Facility

FAA CDR VAFR171L

N61BP

H.M. 324.7
TCM

Engine Total: 324.7
Model: TSIO-550-C(11)

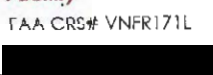
12/17/2015
Serial: 802858

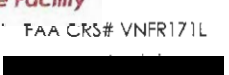
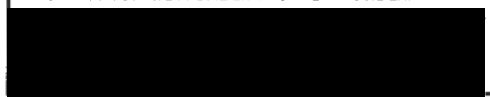
W.O. SV4413

PERFORMED VAN BORTEL ENTRY INTO INVENTORY INSPECTION. INSTALLED NEW 45 ADAPTER FITTING P/N AN915-1J ON FOUR-WAY CROSS FITTING IN ACCORDANCE WITH CESSNA SEL 71-04R1. NO LEAK DETECTED AFTER SATISFACTORY GROUND RUN. INSTALLED HIGH HEAT ADELS AS NEEDED ON ENGINE MOUNT. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

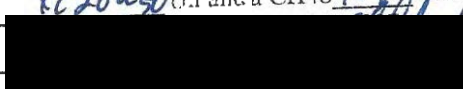


Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					

	 The World's Most Experienced Cessna Corvallis Service Facility   			
	FAA CRS# VNFR171L			
N812PV	H.M. 325.5 TCM TSIO-550-C(11)	Engine Total: 325.5	06/02/2016 S/N: 802858	W.O. SV4614
PERFORMED A 100 HOUR/ANNUAL INSPECTION IN ACCORDANCE WITH FAR 43 WITH REFERENCE TO CESSNA 400 MAINTENANCE MANUAL 400MM05. COMPRESSIONS: #1 72 #2 76 #3 66 #4 75 #5 64 #6 68/80. OBTAINED WARM OIL SAMPLE FOR ROUTINE ANALYSIS. CHANGED OIL & FILTER, SERVICED WITH PHILLIPS 20W50 AND NEW CH48109-1 OIL FILTER; NO DEFECTS NOTED IN REMOVED FILTER MEDIA. INSTALLED 7 NEW VALVE COVER GASKETS. AD'S CHECKED THROUGH BIWEEKLY 2016-12. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.				
				

	 The World's Most Experienced Cessna Corvallis Service Facility   			
	FAA CRS# VNFR171L			
N972JK	H.M. 335.9 TCM	Engine Total: 335.9 Model: TSIO-550-C(11)	09/19/2016 Serial: 802858	W.O. SV4777
INSTALLED NEW IMPULSE COUPLING SPRING, P/N 10-51324, ON LEFT MAGNETO AND TIMED MAGNETO TO 24°. INSTALLED TWO NEW SPARK PLUGS, P/N URHB32E, IN #5 CYLINDER. OPERATIONAL TEST SATISFACTORY. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.				
				

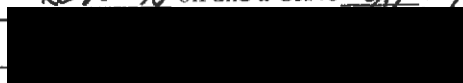
10/7/11 TCM/HM: 355.8
Change oil & filter. Serviced with 8 qts of
XC20W50 oil and a CH48 109 filter.



11/9/16 TCM/HM: 389.6
Change oil & filter. Serviced with 8 qts of
XC20W50 oil and a CH48 109 filter.



1.5/17 TCM/HM: 419.6
Change oil & filter. Serviced with 8 qts of
XC20W50 oil and a CH48 109 filter.



Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model

TSIO 550 C 11 B

Engine Serial Number

802858

Testing Completed

Standard Acceptance Test:

Date of Completion 6-30-07 Test Operator



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344