

ENGINE LOG BOOK



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 R-10550 B77B

Engine Serial Number 1006141

Testing Completed

Standard Acceptance Test:

Date of Completion FEB 16 2012

Test Operator



30683



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344

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



Continental Motors, Inc.

Production Certificate 508

Printed: 02/22/2012

Test Date: 02/16/2012

This engine model I0550B77B, serial number 1006141 was rebuilt 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.



N3853U

SANTA FE

Engine Log

AERO SERVICES

AVIONICS
MAINTENANCE
SALES

121 Aviation Dr. • Bldg 4002 • Santa Fe NM 87507

Date: 7/1/12	Make: TCM	Model: IO-550-B	S/N: 1006141
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Tach: 0000.0	Hobbs: 2528.31	TTSFR: 0000.0	
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REMOVED ENGINE M/N IO-520-B, S/N 274985-R AND INSTALLED FACTORY REBUILT ENGINE M/N IO-550-B, S/N 1006141. IAW STC SA2200SW AND D'SHANNON PRODUCTS INSTALLATION INSTRUCTIONS 71-12-00, TCM INSTALLATION & OPERATION MANUAL. INSTALLED ENGINE BAFFLING IAW INSTALLATION MANUAL DSP-1M95-1 AS REQUIRED. C/W ANNUAL INSPECTION IAW FAR 43. APP. (D). RESEARCHED AD'S THRU 6/25/12. SERVICED IAW TCM MAINTENANCE MANUAL. SERVICED ENGINE WITH 12 QTS. OF A/S 100 MINERAL OIL. GROUND RUN, OPS AND LEAK CHECKS SATISFACTORY.

Arturo Torres
Arturo Torres

A&P28340351A

I certify that this Engine has been inspected in accordance with An Annual Inspection and is determined to be in airworthy condition and is approved for return to service

Work accomplished at Santa Fe Aero Services, LLC. Reference work order #2902

Maintenance Record

uding engine part removal and pections, Airworthiness Directives, nd Service Bulletins

N3853U

SANTA FE

Engine Log

AERO SERVICES

AVIONICS
MAINTENANCE
SALES

121 Aviation Dr. • Bldg 4002 • Santa Fe NM 87507

Date: 7/03/2012	Make: TCM	Model: IO550-B	S/N: 274985-R
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Tach: 12.1	Hobbs:	TAF:	
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DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER TO CHECK FOR CONTAMINENTS NO DEFECTS NOTED. INSTALLED NEW CH48109-1 FILTER AND SERVICED ENGINE WITH 12 QTS OF A/S 100 MINERAL. LEAK CHECK SATISFACTORY.

Gerardo Ontiveros
Gerardo Ontiveros
A&P2819356

Work accomplished at Santa Fe Aero Services, LLC. Reference work order # 3356

Ionani Air

date 12/24/2012

Continental IO-550-B(77B) sn. 1006141

Tach Time: 56.1 Total Time: 56.1 Hobbs 2594.4

Changed engine oil with Phillips 100AW, changed oil filter CH48-109-1, cleaned and gapped spark plugs, sent oil sample to lab, cut open filter no metal found, adjusted high and low fuel pressure as per SID97-3E.

D. Haverfield A&P 2849603

Engine Service and Maintenance Record

Date

Total Time

Time Since Last Overhaul

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

Carried forward

8/1/2013

Continental IO-550-B-77B sn. 1006141

Tach Time:104.7 Total Time:104.7

Completed Annual inspection in accordance with A36 Maintenance Manual. Cyl Comp: #1 75/80, #2 76/80, #3 76/80, #4 75/80, #5 74/80, #6 76/80, changed engine oil with Phillips 100AW, changed oil filter with CH48109-1, sent oil sample to lab, checked mag to engine timing, cleaned and gapped spark plugs, AD's complied with to date see AD list.

I certify that this Engine has been inspected in accordance with Annual inspection and was determined to be in an airworthy condition on this date.

D. Haverfield A&P 2849603IA

date 1/9/2014

Continental IO-550-B(77B) sn. 1006141

Tach Time: 142.3 Total Time: 142.3 Hobbs 2692.7

Changed engine oil with Phillips 100AW, changed oil filter CH48-109-1, cleaned and gapped spark plugs, sent oil sample to lab, cut open filter no metal found, ran engine no leaks.

D. Haverfield A&P 2849603

8/26/2014

Continental IO-550-B-77B sn. 1006141

Tach Time: 184.3 Total Time:184.3

Completed Annual inspection in accordance with A36 Maintenance Manual. Cyl Comp: #1 68/80, #2 64/80, #3 64/80, #4 65/80, #5 75/80, #6 64/80, borescoped cylinders no defects noted, changed engine oil with Phillips 100AW, changed oil filter with CH48109-1, sent oil sample to lab, checked mag to engine timing, cleaned and gapped spark plugs, AD's complied with to date see AD list.

I certify that this Engine has been inspected in accordance with Annual inspection and was determined to be in an airworthy condition on this date.

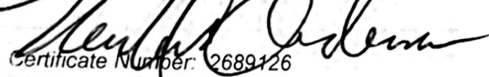
D. Haverfield A&P 2849603IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	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					
Carried forward →					

Date: March 15, 2017
Aircraft: Beechcraft N36MY
Model: A-36
Serial Number: E-1835
Hobbs: 2797.1
Tach: 236.2

Maintenance- Engine. Drained engine oil, replenished with 12 quarts Phillips 100AW. Removed engine oil filter, replaced with new Champion CH48109-1 aviation oil filter. Drained engine oil from oil cooler. Performed cylinder differential compression test with results as follows: #1) 68psi, #2) 70psi, #3) 65psi, #4) 68psi, #5) 78psi, #6) 65psi. Removed fuel injectors, cleaned ultrasonically in a solution of Hoppe's gun oil and lacquer thinner. Reinstalled injectors to existing locations. Removed existing rocker cover gasket on #3 cylinder, replaced with new rocker cover gasket, P/N: 537857. Removed existing spark plugs, replaced with new Tempest RHB-32E spark plugs. Removed existing induction air filter, replaced with new Brackett air filter, P/N: BA-7112. Performed magneto ignition timing check and adjustment, reset to 25 degrees BTDC. I certify that this Engine has been inspected I.A.W. a 100 Hour Inspection and was found to be in an airworthy condition at this time and date. All AD's researched and complied with to this date.

Michael H. Anderson, A&P/Aerosleek LLC


Certificate Number: 2689126

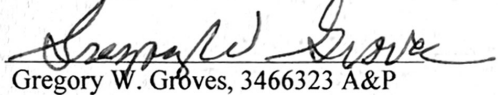
I certify that this Engine has been inspected I.A.W. an Annual Inspection and was found to be in an airworthy condition at this time and date.

Keith Varner, A&P/IA


Certificate Number: 516923466

05/02/2018
N35MY
Tach. Time 263.0, Total Time 2,824.9, TSFR 263.0
100-hour inspection:

Changed oil, 20W50XC. Changed oil filter CH48109-1 and inspected the old filter for contamination. Performed cylinder compression test per TCM SB03-3 #1 70, #2 68 #3 62 #4 72 #5 61 #6 62 Bore scope inspected cylinders per TCM SB03-3 Researched all airworthiness directives through Bi weekly. I certify that this engine has been inspected in accordance with a 100-hour Inspection and was determined to be in airworthy condition at this time and returned to service. Inspection data: Hawker Beech service manual 36-590001-9 and, Appendix D to title 14 CFR part 43.


Gregory W. Groves, 3466323 A&P

5/2/2018
Date

BAHAN AVIATION SERVICES

N36MY 2/10/2019 Tach 274.2 Hobbs 2837.6
-Removed alternator, p/n 646845, s/n 012BA008. Installed overhauled item, Quality Aircraft Accessories, p/n 646845, s/n O02FA087R. Alternator installed with overhauled Alternator drive coupling, Quality Aircraft Accessories, p/n 646655, s/n 111036, and washer 630691. Alternator arrived and installed complete with drive coupling installed by QAA.
-Aircraft ground run noting no defects.
-All maintenance performed in reference to the Beechcraft maintenance manual.
-I certify this engine is returned to service with respect for work performed.


Christopher James Bahan A&P/I.A. 2688469

Date	Total Time		Time Since Last Overhaul		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 →					


Engine Service and Maintenance Record

BAHAN AVIATION SERVICES

N36MY 6/7/2019 Tach 278.5

- Removed cowling and cleaned engine
- Removed, cleaned, inspected, gapped and reinstalled spark plugs
- Checked mag timing and p lead security
- Performed Compression check as follows: #1 72, #3 65, #4 66, #5 60
- Removed all intake tubes and exhaust from both sides of the engine. Removed cylinders #2 & #6 due to low compression. Cylinder #4 removed to gain access to engine. Oil filler neck removed. Cylinders replaced with new, Superior SA52006-A23P, s/n #2 526-F18-34225 & #6 526-D19-38220. Piston weight of #2 1467 grams and #6 1466 grams. Cylinder #4 re-installed with new cylinder base o-ring, 641066.
- Removed baffling, rocker covers, and rocker arms. Removed push rods and push rod tubes. Removed packings and replaced with new, Continental, 534610. Re-installed with new rocker cover gaskets, Continental, 534857.
- Oil filler neck seals and gaskets replaced with new, SA630892, MS9970-116 & MS9970-117.
- Re-installed intakes with new intake hoses, Continental, 642917-1 and 649959 intake gaskets.
- Exhaust re-installed with new gaskets, 652458. Replaced damaged exhaust studs with new stainless, 1/4X20-1/4-28. Re-installed using new stainless nuts, MS21043-4.
- Installed new Brackett air filter element BA-7112
- Drained engine oil and removed filter.
- Serviced engine with 11 quarts Phillips 20W50, type M and new Tempest 48109 filter.
- Ground run engine noting no defects.
- All AD's checked through this date with ATP Aviation Hub and an AD compliance listing created.
- I certify this engine and has been inspected in accordance with a 100 hr. inspection and found to be in airworthy condition.

Christopher Bahan
 Christopher Bahan 2688469 A&P/IA



9519 Airport Drive, Hanger 19
 Visalia, CA 93277


Engine

DATE: 10/1/19 MODEL: SMOH: HOBBS: 2929.4
 REG: N36MY S/N:

- SERVICE ENGINE WITH 12 QUARTS OF PHILLIPS 20W50 XC OIL.
- INSTALL NEW ENGINE OIL FILTER ELEMENT P/N: CH48109-1.
- ENGINE OIL SAMPLE TAKEN.

Raphael Lopez
 RAPHAEL LOPEZ - A&P 2709706

PERTINENT DETAILS ON FILE: W.O. 36M100119



9519 Airport Drive, Hanger 19
 Visalia, CA 93277

Engine

DATE: 02/07/20 MODEL: SMOH: TACH: 398.4
 REG: N36MY S/N:

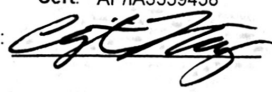
- ENGINE OIL SAMPLE TAKEN.
- SERVICE ENGINE WITH 11 QUARTS OF PHILLIPS 20W50 XC OIL.
- INSTALL NEW ENGINE OIL FILTER ELEMENT P/N: CH48109-1.

Steve Stewart
 STEVE STEWART - A&P 2129169

PERTINENT DETAILS ON FILE: W.O. 36M020720

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		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	
2020					
Carried forward →					N36MY
7-8-20	Tach: 440.4	TTE: 30	TTSFR: 440.4	Cont. IO-550 B77B S/N 1006141.	
	Completed Annual Inspection This Date. Oil change philips xc 20/50 11 Quarts and New oil Filter ch48109-1. New Air Filter BA 7112. Compression <u>77 77 75 76 75 77</u> over 80. Clean, Gap + Rotate Spark plugs. Pressure Tested Exhaust - No Leaks Noted. Clean/Depressed Engine. Installed SureFire Electronic Ignition in place of the Left Magneto per SureFly Engine and Airframe Installation Instructions and STC's, 337 Form Filled this Date. GB Weight change is Negligible. Run up Engine and Function Tested Ignition System - Normal. This engine Approved For Return to Service. This engine Has Been Inspected IAW An Annual Inspection And was Determined Airworthy. George Benson M. B. AP3100455 IA				
					End
					N36MY
7-11-20	Tach: 442.5		Continental IO-550 B77B S/N 1006141		
	Removed SureFire Ignition Sim. Did Not perform satisfactory on Test Flight. NO 337 Filled. Re-Installed TCM Magneto S6RN-1225 S/N F12AA242R in The Left position. Timed Magneto at 22° BTDC per Engine Data Tag. Run up and Test Flight performed. Engine Approved For Return To Service. George Benson M. B. AP3100455				
					End

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	
2021					
Carried forward →					N36MY
8-3-21	Tach: 650.8	TFE: 32277	TSFR: 650.8	Cont. FO-550-B77B	S/N 1006141
<p>Completed Annual Inspection This Date, Oil change - Phillips 20/50 XC 11 Qts. New Oil Filter CH48109-1. Cut old Filter (No Metal Noted). New Air Filter BA7112. Clean, Gap & Rotate spark plugs. Compression 77 76 76 75 72 77 over 80. Installed Overhauled Right Magneto and set Timing at 22° per Data Tag. P/N 10-349350-5 S/N F148816FR. Installed SureFly SIM6C S/N 6C-1920016 per STC SE04349CH And STC SA04378CH. Also New Slick Style Harness And PC17V Power Conditioner And Electrolytic Capacitor. Also 10 Amp Fused Power Wire supplied And Connected At The Battery Master Relay. Weight change is Negligible. 337-Form Filed This Date. ICA's Added to Aircraft Records. AFMS Document 2006 Rev. B Added to POH/AFM. Post Installation checks - Engine Run-up with No problems observed. C/w Ad 76-07-12 Bendix Ign Switch Function Test. Next Due 100hrs.</p> <p>This Engine has been Inspected IAW An Annual Inspection And was Determined To Be Airworthy.</p> <p>George Benson Mgr. Per AP3100455 IA</p>					
<p>Date: 05/31/2022 Hours: TACH: 709.2 HOBBS: 3300.3 Tail#: N36MY SMOH: 709.2 Make: CONTINENTAL Model: IO-550-B S/N: 1006141 ENGINE 1. SERVICED ENGINE W/ 11QTS OF PHILLPS X/C 20W-50. R&R OIL FILTER W/ P/N CH48109-1, OIL SAMPLE TAKEN. W.O. 1092</p>					
<p>Name: Christian Munoz Cert: AP/IA3559458 Co: C.M.AVIATION Sign: </p>					

Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

Record maintenance actions including engine part removal, installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carried forward →

ENGINE MODEL:
ENGINE S/N:
REG. NO. N38MY
WORK ORDER: 33803



Yada Yada Yada dba APR Aviation
Repair Station No. CP3R431L
5641 E. Andersen Ave
Fresno, California 93727 USA
Phone: 800-982-8466

DATE: 7/20/2022
A/C TSN:
ENG TT:
HOBBS: 3302.9

Engine Entries

(11) Removed spark plugs and inspected, plugs are within serviceable limits.

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service in respects to the work completed. Unless otherwise stated the repairs and modifications are minor in nature. A copy of this repair is on file at this agency.

DATE: 7/20/2022

SIGNED:

Work Order: 33803

Stuart Gipson
Certified Repair Station No. CP3R431L

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