

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: 03/04/2007

This engine model TSI0550C11, Serial No. 802850 was manufactured on 03/04/2007 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.

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TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 508

TCM Engine Model	TSIO-550C11B
TCM Serial#	802850
Test Document	TH-3223 Rev B
Software Release#	1.98, 05/13/04
Start Time	3/4/07, 09:59:06
Accepted Time	3/4/07, 12:20:03
Cell# & Operator	5817, 29274
Sea Level Power	310 HP @ 2600 Prop RPM
Vapor Pressure	0.13 in HG
Temp, Wet Baro	65.12 F, 30.31 in HG

Teledyne Continental Motors

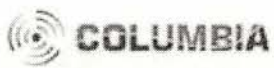
Aircraft Engine Standard Acceptance Test Log

Test Club#	C2641
Rqrd Pitch	24° ± .5°
Actual Pitch	24°
Mixture Check	Pass
Alternator Check	PASS

Mag Data	Required	Actual
Eng Speed Both	2100	2100
Eng Speed Right	N/A	2080
Right Mag Drop	150	21
Eng Speed Left	N/A	2070
Left Mag Drop	150	30
Mag Drop Spread	50	10
Fuel Flow (Ref.)	81	82

Note: Magneto check between Run 2 & 3

Run Information	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8
Time Of Day	10:07:40	10:09:23	10:12:48	10:28:23	10:39:20	10:51:44	11:49:52	12:11:13
Run Time Rqd (MM:SS)	01:00	01:00	01:00	10:00	10:00	01:00	10:00	05:00
Run Time	01:00	01:34	01:00	10:00	10:00	01:00	10:00	05:00
Prop Speed Rqd (RPM)	1175-1225	1575-1625	2425-2475	2588-2638	2364-2389	575-625	2362-2387	2364-2389
Prop Speed	1206	1601	2445	2614	2375	625	2375	2371
Manifold Press Rqd (inHg)	N/A	N/A	N/A	35.3-35.7	31.5 REF	18.5 MAX	31.5 REF	31.5 REF
Manifold Press	14.6	18.0	32.8	35.7	30.0	17.2	30.1	30.3
Turbo Dis Press Rqd (inHg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbo Dis Press	31.1	31.2	35.0	35.4	32.5	31.1	31.8	31.8
Fuel Flow Rqd (lb/hr)	N/A	N/A	N/A	218.3-228.3	118.8-154.8	N/A	N/A	N/A
Fuel Flow	22.8	36.6	142.4	222.2	141.0	15.2	144.1	144.3
Nozzle Press Rqd (PSID)	N/A	N/A	N/A	13.2-13.8	7.8-9.0	N/A	N/A	N/A
Nozzle Press	3.2	3.9	9.2	13.7	8.7	2.6	9.1	9.1
Fuel Pump Press Rqd (PSIG)	N/A	N/A	N/A	27.5 REF	N/A	7.0-9.0	N/A	N/A
Fuel Pump Press	11.0	13.2	21.8	23.9	19.2	8.7	19.1	19.2
Fuel Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Temp	41	41	49	38	43	54	42	42
Ambient Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient Temp	58	62	91	67	67	59	66	65
Eng Inlet Oil Temp Rqd (°F)	90-240	120-240	165-240	180-240	165-240	130-240	165-240	165-240
Eng Inlet Oil Temp	91	120	173	190	195	184	165	165
Eng Oil Press Rqd (PSIG)	30.0 MIN	30.0 MIN	30.0 MIN	46.0-57.0	30.0 MIN	14.7 MIN	30.0 MIN	30.0 MIN
Eng Oil Press	38.4	41.5	40.7	50.7	48.4	17.4	52.4	53.4
Min Cylinder Temp Rqd (°F)	150 MIN	175 MIN	250 MIN	250 MIN	250 MIN	N/A	250 MIN	250 MIN
Max Cylinder Temp Rqd (°F)	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX	460 MAX
Cylinder 1 Temp	280	291	383	401	412	304	390	362
Cylinder 2 Temp	252	262	356	348	368	240	361	327
Cylinder 3 Temp	252	255	344	339	363	272	347	332
Cylinder 4 Temp	236	256	335	338	362	276	348	296
Cylinder 5 Temp	258	265	358	366	378	247	365	335
Cylinder 6 Temp	230	234	310	316	323	218	310	287
Collar Press Differential Rqd (PSID)	N/A	N/A	N/A	14.3 MAX	N/A	N/A	N/A	N/A
Collar Press Differential	1.5	1.6	0.0	0.8	0.8	-3.5	1.5	1.3

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.	
3-8-07	0	0	0	0	 This engine S/N 802850 installed in LC41-550FG S/N 41739 <i>Francie Mills</i> Columbia Aircraft Mfg.

Registration: **N10111**
 Model: **LC41-550FG**
 Serial: **41739**

COLUMBIA
Aircraft of Texas
 Service Center

Fieldtech Avionics & Instruments, Inc.
 4151 N Main St.
 Fort Worth Texas 76106

Engine Log Entry TCM TSIO-550-C(11) Serial: 802850
 Date: 06-12-2007 Hour Meter: 23.7 Total Time: 23.7

Changed oil and oil filter. Drained oil and removed oil filter. Cut open removed oil filter and inspected media, no defects noted. Installed new CH48108-1 filter and 7 quarts Exxon Elite 20W50 oil. Engine operation checks satisfactory on ground run, oil pressure good, no leak noted. Work performed in accordance with Columbia 400 Maintenance Manual.

David R. Jones *David R. Jones* A&P 457906864 IA

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.	

Date: 3/8/2010

Tach. Time: _____

Continental TSIO-550-C S/N 802850 Engine disassembled for sudden stoppage inspection. All parts cleaned, inspected per TCM S/B 96-11, steel parts magnafluxed, U/T inspection of crankshaft per TCM S/B 96-10. Engine reassembled in accordance with TCM overhaul manual with new rod bearings, rod bolts & nuts, main bearings, counterweight bushings, rollers, plates & snap rings, (crank gear, cam gear, alternator face gear retaining bolts and lock plates), gaskets & seals, intake hoses. New starter adapter, cam shaft, and tappets supplied by TCM No accessories overhauled or repaired at this time. Test run OK. Continue time on engine. A description of this repair is on file at this agency under W.O. 210013. - End-

ZEPHYR AIRCRAFT Engines Inc.

(813) 788-3305 FAX (813) 788-4412

39320 Avenue B Zephyrhills FL. 33542

F.A.A. APPROVED REPAIR STATION # X14R397M

W.O. No. 210013

Authorized Signature _____




REG. N10111

HERNANDO COUNTY AIRPORT

W.O. 09-3440

MODEL TSIO-550-C11B

2495 BROAD STREET

TACH N/A

S/N 802850

BROOKSVILLE, FLORIDA 34604

PHONE (352) 796-5173

T.T. 123.8

DATE 06/25/2010

FAX (352) 799-4681

FAA REPAIR STATION #TZ4R562M

TSMOH

- ➔ REMOVED ENGINE FROM AIRCRAFT AND SENT TO ZEPHYR AIRCRAFT ENGINES, INC. FOR SUDDEN STOP INSPECTION AND REPAIR UNDER ZEPHYR WO#210013.
- ➔ INSTALLED ENGINE AFTER REPAIR BY ZEPHYR AIRCRAFT ENGINES, USING ORIGINAL ENGINE MOUNTS. SEE ZEPHYR LOG ENTRY AND WORK ORDER # 210013 DATED 3-8-2010.
- ➔ RECONNECTED THE THROTTLE, MIXTURE, AND PROP CONTROL. SAFTIED ATTACH HARDWARE.
- ➔ CHECKED FUEL SETUP IAW CONTINENTAL INSTRUCTIONS.
- ➔ SERVICED ENGINE WITH 8 QUARTS PHILLIPS XC 20W-50.
- ➔ GROUND RAN AND TEST FLEW AIRCRAFT.NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in

The Continer LC 41-550 FG Maintenance Mtl

the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 09-3440

Auth. _____

Insp. hll st

