

RH

ENGINE LOG BOOK





Continental Motors, Inc.

Engine Component Information Sheet

Printed : 8/16/2013

Serial: 1008926 Assembled: 8/14/2013
 Spec: I0550C72B Shipped:
 New/Rebuilt: NEW Packed: 8/16/2013

Customer Name:

Shipping Address:

Component	Serial Number	Component	Serial Number
CAMSHAFT	176058	L. TURBO	N/A
CRANKSHAFT	N13EA037	R. TURBO	N/A
CRANKCASE	R13GA354	OVERBOOST	N/A
CONNROD	AE13GA151	CONTROLLER	N/A
CONNROD	AE13GA146	WASTEGATE	N/A
CONNROD	AE13FA480	CYLINDER - 1	AC13FA314
CONNROD	AE13FA477	CYLINDER - 2	AC13FB418
CONNROD	AE13FA469	CYLINDER - 3	AC13EA928
CONNROD	AE13FA470	CYLINDER - 4	AC13FA032
L MAGNETO	13070429	CYLINDER - 5	AC13FA779
R MAGNETO	13070430	CYLINDER - 6	AC13FA341
CARBURETOR	N/A	CYL FLOW CODE	N/A
FUEL PUMP	B13GA410	NOZZLE - 1	1255
MANIFOLD VALVE	C13EA040	NOZZLE - 2	2253
METERING UNIT	A13GA345	NOZZLE - 3	3253
STARTER	H-U-171303	NOZZLE - 4	4245
ALTERNATOR	N/A	NOZZLE - 5	5250
ALTERNATOR 2	N/A	NOZZLE - 6	6245
DRIVE GEAR	N/A	OIL COOLER	E12-10107-65
DRIVEN GEAR	N/A	PISTON WEIGHT	N/A

Form QA-85A (MAR 2012)



Pack Inspection Stamp

All of the information provided herein is subject to verification by the user. Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

Teledyne Continental Motors

Aircraft Engine Standard Acceptance

Test Log (TH-125)

TCM Engine Model	IO-550C72B
TCM Serial#	1008926
Test Document	TH-3215 Rev J
Software Release#	2.00, 01/05/10
Start Time	8/15/2013, 11:38:19
Accepted Time	8/15/2013, 14:30:46
Cell# & Operator	5, 30683
Sea Level Power	300 HP @ 2700 Prop RPM
Vapor Pressure	0.79 in HG
Temp, Wet Baro	83.53 F, 29.93 in HG

Test Club#	D2258A
Rctd Pitch	20+-5
Actual Pitch	20
Mixture Check	Pass
Alternator Check	

Mag Data		Required	Actual
Eng Speed Both	2100	2107	
Eng Speed Right	N/A	2037	
Right Mag Drop	150	70	
Eng Speed Left	N/A	2028	
Left Mag Drop	150	78	
Mag Drop Spread	50	9	
Fuel Flow (Ref.)	69	73	

Note: Magneto check between Run 2 & 3

	Run 1	Run 2	Run 3	Run 4	Run 5	Run 6	Run 7	Run 8
Time Of Day	11:42:02	11:43:22	11:47:16	13:02:35	13:12:52	13:26:10	13:32:53	13:56:34
Run Time Rqd (MM:SS)	01:00	01:00	01:00	10:00	10:00	10:00	10:00	05:00
Run Time	01:00	01:00	01:49	10:00	10:00	01:00	10:00	05:00
Prop Speed Rqd (RPM)	1175-1225	1575-1625	2425-2475	2746-2796	2512-2537	575-625	2495-2520	2504-2529
Prop Speed	1198	1608	2449	2746	2521	624	2505	2512
Manifold Press Rqd (inHg)	N/A	N/A	N/A	26.1-29.1	N/A	18.5 MAX	N/A	N/A
Manifold Press	N/A	14.0	23.1	27.3	23.0	12.3	23.2	23.3
Turbo Dis Press Rqd (inHg)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbo Dis Press	30.0	30.0	29.9	29.9	29.9	29.9	29.9	29.9
Fuel Flow Rqd (lb/hr)	N/A	N/A	N/A	155.1-163.1	100.7-140.7	N/A	N/A	N/A
Fuel Flow	25.1	41.2	107.4	160.8	117.2	9.9	118.1	119.7
Nozzle Press Rqd (PSID)	N/A	N/A	N/A	19.0-19.6	11.9-13.1	N/A	N/A	N/A
Nozzle Press	4.7	5.6	12.3	19.5	12.0	3.2	12.3	12.4
Fuel Pump Press Rqd (PSIG)	N/A	N/A	N/A	34.7 REF	N/A	8.0-10.0	N/A	N/A
Fuel Pump Press	13.9	18.3	29.9	33.9	32.3	8.0	32.7	32.6
Fuel Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fuel Temp	66	63	63	64	71	69	64	66
Ambient Temp Rqd (°F)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Ambient Temp	88	89	93	95	100	96	91	96
Eng Inlet Oil Temp Rqd (°F)	90-240	120-240	165-240	180-240	165-240	140-240	165-240	165-240
Eng Inlet Oil Temp	118	133	165	207	200	187	165	165
Eng Oil Press Rqd (PSIG)	30.0 MIN	30.0 MIN	30.0 MIN	40.5-51.5	30.0 MIN	15.1 MIN	30.0 MIN	30.0 MIN
Eng Oil Press	59.6	59.6	52.3	48.9	48.7	20.3	61.9	61.4
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	211	236	368	408	394	280	343	337
Cylinder 2 Temp	218	242	357	392	376	269	330	327
Cylinder 3 Temp	216	239	345	396	379	258	329	326
Cylinder 4 Temp	213	248	359	363	354	241	338	333
Cylinder 5 Temp	215	233	340	356	360	226	318	311
Cylinder 6 Temp	187	206	297	302	296	188	277	274
Collar Press Differential Rqd (PSID)	N/A	N/A	N/A	12.3 MAX	N/A	N/A	N/A	N/A
Collar Press Differential	3.1	2.8	2.2	2.0	1.7	0.2	2.3	2.2

Service Information

Aircraft Engine Test Verification

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

Engine Model TD550C72B

Engine Serial Number 1008926

Testing Completed

Standard Acceptance Test:

Date of Completion AUG 15 2013 Test Operator [Signature]



Continental Motors, Inc.

Form No 98344

Continental Motors Internet Service contains current engine Instructions for Continued Airworthiness

TO ASTM D910
S PROHIBITED

Continental Motors, Inc.

508

8/16/2013

8/15/2013

Number 1008926

in accordance with requirements of Part

The approved design

Continental Motors

Gas Howard

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.

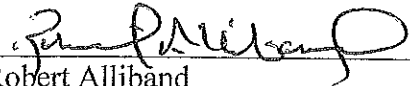
Production Certificate 508



Printed: 8/16/2013

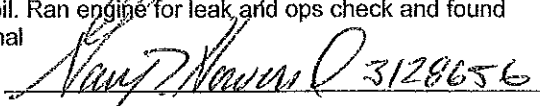
Test Date: 8/15/2013

This engine model I0550C72B, serial number 1008926 was manufactured 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.

Thomas Howard

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
11-29-13	0	0	0	0	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins This engine has been installed on aircraft serial number TH-2394 RH and has been fully charged with Phillips 66 Type M SAE 20W-50.  Robert Alliband For Beechcraft Corporation PC#8

		AIRCRAFT R/H ENGINE LOG			Pro Star Aviation, LLC. Manchester Airport 5 Industrial Drive Londonderry, NH 03053 Repair Station P6UR006Y	
Date: 05/19/2014	W/O: 12600	ETT: 21.2	ETC: n/a	Model: IO-550-C	S/N: 1008926	N50294
ETSO: n/a	ECSO: n/a					
MAINTENANCE ITEMS; <ul style="list-style-type: none"> - Complied with RH Engine oil & filter change IAW Beechcraft Model G58 MM 12-10-00, 20-07-00, 71-00-00 and 79-00-00. - Inspected removed oil filter, with no defects noted. Installed new Champion Oil Filter P/N CH48109-1. Serviced engine with 11 qts. Phillips X/C 20W-50. Performed engine ground run and leak check. No leaks or defects noted. 						
The aircraft, airframe or appliance identified above was maintained and/or altered and inspected in accordance with current Regulations of the FAA and is approved for return to service. Pertinent details of work performed are retained in the above Pro Star Aviation, LLC. W.O. # 12600.						
Signed				 Edward Lord, INSPECTOR		Date
						05/19/2014
<small>FOR PRO STAR AVIATION, LLC CRS# P6UR006Y</small>						

SBI AIRCRAFT SERVICES LACONIA AIRPORT (KLCI) (603) 524-3180 (603) 528-6818	
Date: 09/24/2014 N603PG Hobbs 74.1 TT Right Engine 74.1	
. Performed an oil and filter change. Ran engine for warm up, drained used oil and removed used oil filter. Cut open used filter for internal particle inspection and found normal. Installed new Champion oil filter, part# CH48109-1 and serviced engine with 11 quarts of Phillips 20W50 XC oil. Ran engine for leak and ops check and found normal	
A&P	 Nancy Newman Q 3128656

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	

Carried forward →

SBI AIRCRAFT SERVICES
LACONIA AIRPORT (KLCI)
(603) 524-3180 (603) 528-6818


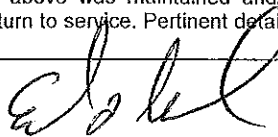
Date: 12/18/2014 N603PG Hobbs 124.3
TT Right Engine 124.3

Performed an oil and filter change. Ran engine for warm up, drained used oil and removed used oil filter. Cut open used filter for internal particle inspection and found normal. Installed new Champion oil filter, part# CH48109-1 and serviced engine with 11 quarts of Phillips 20W50 XC oil. Ran engine for leak and ops check and found normal

A&P *[Signature]* 3128656

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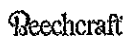
Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i>
	Hours	Min	Hours	Min	
Carried forward →					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and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

		AIRCRAFT R/H ENGINE LOG			Pro Star Aviation, LLC. Manchester Airport 5 Industrial Drive Londonderry, NH 03053 Repair Station P6UR006Y		
Date: 02/01/2015	W/O: 12772	ETT: 125.4	ETC: n/a	Model: IO-550-C	S/N: 1008926	N603PG	
ETSO: n/a	ECSSO: n/a	Hobbs: 125.4					
INSPECTIONS: <ul style="list-style-type: none"> - Complied with Annual Inspection IAW Beechcraft Baron Series Maintenance Manual and the G58 Bonanza Maintenance Manual Supplement. - Complied with Engine 100 Hour/Annual Inspection IAW TCM IO-550-C MM Chapter 5. - Complied with engine fuel injector service and cleaning (retained injectors in their particular cylinder positions) IAW Teledyne Continental IO-550-C Permold Engine Maintenance Manual. Re-installed injectors in their particular cylinders. - Complied with Right Engine Oil Filter removal and inspection with no defects noted. Installed new Oil Filter P/N CH48109-1 IAW Teledyne Continental IO-550-C Manual M-16, Ch. 6-3.8.2.2. 							
AIRWORTHINESS DIRECTIVES: <ul style="list-style-type: none"> - Complied with AD research thru Bi-Weekly 2015-02. - Complied with FAA AD 2014-05-29, amendment No. 39-15986-To prevent the separation of the cylinder head, damage to the engine and damage to the airplane with Superior Air Parts, Inc. PMA cylinder assemblies installed. AD does not apply to Right Engine. SAP cylinder assemblies not installed on engine. No further actions required. 							
SERVICE BULLETINS: <ul style="list-style-type: none"> - Complied with TCM Mandatory Service Bulletin MSB94-8D Magneto to engine timing. See Maintenance Items for corrective actions. - Complied with Continental Motors Service Bulletin No. SB13-4-Aneroid Equipped Fuel Pumps. This SB does not apply to the Right Engine Fuel Pump by serial number of fuel pump installed. - Complied with Continental Motors Critical Service Bulletin No. CSB09-11A-Minimum Cruise RPM- Provided operator with instructions listed in Critical Service Bulletin CSB09-11A. - Complied with Continental Motors Service Bulletin No. SB13-6A-Crankshaft Gear Replacement- Service Bulletin does not apply to Right Engine by manufactured year 							
MAINTENANCE ITEMS: <ul style="list-style-type: none"> - Removed Right Engine Right Magneto and replaced with new Magneto IAW TCM IO550-C Permold Series Engine Maintenance Manual and Overhaul Manual and MSB94-8D. Ops check good. P/N Off: 6310 S/N Off: 13070430 / P/N On: 6310 S/N On: 14020734 - Removed and replaced cylinder no. 1 top spark plug with new Champion plug IAW TCM IO550C Permold Series Engine Maintenance and Overhaul Manual. P/N Off: URHB-32S S/N Off: NSN / P/N ON: RHB-32S S/N ON: NSN 							
The aircraft, airframe or appliance identified above was maintained and/or altered and inspected in accordance with current Regulations of the FAA and is approved for return to service. Pertinent details of work performed are retained in the above Pro Star Aviation, LLC. W.O. #12772.							
Signed:  Edward Lord, INSPECTOR <small>FOR PRO STAR AVIATION, LLC CRS# P6UR006Y</small>					Date: 02/01/2015		

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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



TELEPHONE AVIATION

Hawker Beechcraft Services
1951 Airport Road
Atlanta, GA 30341
404-699-9200

RIGHT ENGINE LOG ENTRY

MODEL	AF S/N	AF REG#	WORK ORDER#	HOBBS	AFTT	DATE
G58	TH-2394	N603PG	PDK04001645	290.0	290.0	11 Feb 2016
ENG MODEL	ENG S/N	ENG TT	ENG TSO			
IO550C72B	1008926	290.0	N/A			

1. Complied with an Annual Inspection. Ref chapter 5-20-00 of the Baron 55 and 58 Maintenance Manual P/N 55-590000-13 Rev G10 dated Jan 2016. Engine compressions: 72, 67, 72, 70, 74, 73.
2. AD's updated through Tdata 2016-02.
3. Complied with Oil and Filter Change. Installed new CH48109-1 filter and serviced engine with 11 quarts of Phillips 20W50 X/C oil. Ref AMM ch. 12.
4. Installed new right engine pressure pump garloc seal P/N 25102 and reinstalled same pressure pump with new gasket P/N 653487. Ops/leak check good. Ref IO-550 Maintenance and Overhaul Manual.
5. Removed right engine fuel injector nozzles, cleaned and reinstalled nozzles. Ref TCM Position Tuned Fuel Injector Nozzle Installation and Maintenance Manual.
6. Adjusted idle RPM. Ref AMM ch. 73.

I certify that this Engine has been inspected in accordance with an Annual inspection using the Baron inspection guide as listed in the manufacturers maintenance manual which meets the intent of 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition. Details are on file under the work order number.

Hawker Beechcraft Services
CRS-ERYR682D

Brannon Payne
Name: Brannon Payne
Title: Inspector

*N5840W 5/18/16 Hobbs 314.4
Right Engine, Changed oil and
Filter, serviced with Phillips 20W50,
Ran up OK, ~~Weight~~
A+B 3191078*

