RIGHT N38TF

## **ENGINE LOG BOOK**





Teledyne Continental Motors, Inc.

#### 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:

Engine Return Department 2039 Broad Street Mobile, AL 36615

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



Printed: 08/03/2008

This engine model TSI0520WB3F, Serial No. 518962 was manufactured on 08/03/2008 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

Date	Tota	I Time	100000000000000000000000000000000000000	Since	Engine Service and Maintenance Record
	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
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					My to be in air worthy condition.
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Model: TSIO520	WB3		201012	-	Date: 07/22/2009 Hobbs Time: 649.2
Serial No.: 5189	62			TCM	CUSTOMER SUPPORT CENTER Total Time: 95.2
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oil and filter. Serv	viced er	ngine wi	th Aeros	hell 100	mineral oil. Completed a ground run check and leak check. —END—
Authorized Signa	ture Fo	r Renair	Station	ID4R254	M: Mochael Com dsay
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	Hational Flig	hi Services			TEL: (419) 865-2311 FAX: (419) 865-1807
-	REG:			SN:	TJ-292 HOBBS: 794.5
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of Aeros	shell 15W50	oil IAW	Beechcraft	M/M P/n	with a new Champion CH48108-1 oil filter, serviced engine with 12 quarts 102-590000-5 Ch. 12-10-00 and Teledyne Continental OH manual
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					WITH AN ANNUAL INSPECTION AND
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8-24-11	942 0			Southwest Georgia Regional Airport 3905 Newton Road, Suite 111 Albany, GA 31701 229,434,9177						
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				Beech Contine	58P sn TJ292 hrs. 942 ental TSIO 520-WB(3) sn 518962 (RIGHT)					
					the crankcase & refilled with 12 qts Aeroshell 15W50 oil. new Champion CH 48108-1 filter & opened removed filter for					
1840				Started temps sat	& ran the engine to operating temprature, found all pressures & tisfactory, no leaks noted.					
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				Willi	iam R. Acker ap 257689405					
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Hrs.	Min. →	Hrs.	Overhaul Min.	Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections,				
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7			Date: 6	1000				
		_	Beech 58	8P sn TJ 292 Hobbs 1092 7				
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			operation	& operated the engine to normal temprature, found pressures & n satisfactory. Returned the engine to service				
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		-	AE.	Southwest Georgia Regional Airport 3905 Newton Road, Suite 111				
				IERICA Inc. Albany, GA 31701 229.434.9177				
				6/21/12 N58TF				
			Beech 58P sn TJ292 Continental TSIO 520 WB3F					
			due to	oved the propeller governor part # B210710 sn 2129115 for overhaul erratic rpm & uncomanded propeller feather during normal engine				
			<ul> <li>shut do</li> </ul>	own. talled the governor after overhaul by Sensenich Propeller Service				
			using n	new gaskets & hardware as needed.				
			<ul> <li>Engine</li> <li>satisfact</li> </ul>	e run up to operating temperature found propeller operation ctory, returned the engine to service.				
				10111: 00				
			-	William B. Asker on 257899405				
			-	William R Acker ap 257689405				
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				2.5.000				
			+ /	Southwest Georgia Regional Airport 3905 Newton Road, Suite 111				
_			+ 1	MERICA Inc. Albany, GA 31701 229.434.9177				
			the state of the s	ate: 7/3/12 N58TF				
				ch 58P sn TJ292 Hobbs 1088.9				
			Con	ntinental TSIO 520 WB3F sn 518962 (RIGHT)				
			Re	emoved & replaced the right hand vacuum pump assy. Using a new				
			lem	1pest AA442CW pump IAW Beechcraft & Tempest service instructions				
-		-	- Gr	ound run up found operation satisfactory, returned the aircraft to servi				
			-	Wellinkodan				
				William R Acker ap 257689405				
				Date: Beech Contine  Remodue to shut do Reins using rengin satisfar				

Make: Continental Motors Model: TSIO520WB3F Serial No.: 518962



Date: 9/12/2012 Hobbs Time: 1118.6

#### **FACTORY SERVICE CENTER**

Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition.

Work Performed Right: Drained oil and installed new CH48108-1 filter. Serviced with 12 quarts of Aeroshell 15W50 oil. Installed new 367988 mixture control lever and 105739X-79-0250 bushing. Removed 646506-2 fuel injection servo SN 70B21605 along with 640655-22 waste-gate controller SN LGN00121 and installed 646506-2 servo SN 70B21604 that was removed from the left engine along with an overhauled 481008-9022 waste-gate controller SN IAO123. Completed ground operation and leak checks. --- END---

Authorized Signature For Repair Station 9CER853B: 10 Details of the work performed are on file under Work Order No. 5303

> Date: 11/30/2012 Hobbs Time: 1136.3

Make: Continental Motors Model: TSIO520WB3F Serial No.: 518962

**FACTORY SERVICE CENTER** 

Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition.

Work Performed Right: Adjusted MAP to 39.5 InHg. END Authorized Signature For Repair Station 9CER853B: Details of the work performed are on file under Work Order No. 533

Southwest Georgia Regional Airport 3905 Newton Road, Suite 111 Albany, GA 31701 229.434.9177  DATE: 1/3/2013 N58TF Beech 58P sn TJ292 Hobbs 1137.4  Continental TSIO 520 WB3F sn 518962 (RIGHT) Performed a !00hr inspection using Continental & Beechcraft service instructions & 100 hr inspection sheet.  Compression tested: #1 72/80 #2 71/80 #3 73/80 #4 70/80 #5 74/80 #6 72/80  Removed , cleaned, gapped, & tested all spark plugs. Set mag timming. Cleaned all fuel screens & strainers. Lubricated all engine controls. Oil & filter NOT changed at this time due to low operating hrs on oil. No currant Ads noted as of this date via ATP. Ground run to operating temperature satisfactory, all pressures & temps normal. Released the engine for return to servic.  I certify this ENGINE has been inspected IAW an annual inspection & found to be in airworthy condition as of this date

Date	Total	l Time		Since verhaul	Engine Service and Maintenance Record								
Brought Forward	Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins								
rought Forward		<b>→</b>											
		A	<b>IERI</b>	CÅ,	3905 Newton Road, Suite 111  Albany, GA 31701 229.434.9177								
	- 1	DATE: 6	6/05/13		N58TF								
	B	eechcra	aft 58P		292 Hobbs 1168.8								
	+ '	Continental TSIO 520 WB3F s/n 518962											
	no	debris	& tested	the eng	& refilled with 11 qts Aeroshell 15W50 oil, installed a filter, opened the removed filter for inspection & found ine to operating temprature, operation satisfactory, no aircraft for return to service.								
					212 00								
					Philip M Connor A&P 594203699								
			AFM	CI ID	Southwest Georgia Regional Airport								
		E	ME	RIC	3905 Newton Road, Suite 111 Albany, GA 31701 229.434.9177								
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					N58TF								
		Cont	h 58P inental 1	rsio 52	o WB3F sn 518962 (RIGHT)								
	+	Drai	ined the	ed the crankcase & results and the									
		instal	led a ne	w Tempe	est AA48108-2 filter. Opened the removed filter								
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		Released the aircraft for return to service.											
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	Bee	E: 3/3/1/ chcraft 5 tinental	8P	N58TF S/N: TJ2 WB3F S/N: 518		Hobbs: 1253.4 TSNEW: 699.4	-				
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	#1 6 No cu	1/80 #2	75/80 # 0's noted perature	, all pressures an	0 #5 69. a ATP. G	80 #6 70/80 round run engine to ratures checked normal.					
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		nn	1111								
	11			Philip	M Conn	or A&P594203699IA					
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(	Date: 6/	24/14 ntal TSIC	)520WB	N58TF 3F S/N: 518962		obbs: 1285.7 SNEW: 731.7					
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	and no d	Telects II	Jidu. No	2							

Philip M Connor A&P594203699

Date	Total			Last Overhaul Eligille Selvice allu Mic			Engine Service and Maintenance Record
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		ate: 9/5 ontiner	/14	520WB	N58TF Hobbs: 1301.1		
	1 fc	00plus or debri	and inst s check,	none fo	emoved oil filter. Refilled with 12qts Aeroshell  AA48108 oil filter. Opened removed filter und. Ground run aircraft no leaks found.		
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	– in	struction hillips 2	ons. Drai	ined oil a	ion using Continental and Beechcraft service and removed oil filter. Refilled with 11qts installed 1/ AA48110 oil filter. Opened		
	re	emoved	filter, no	debris	found. Removed, cleaned and reinstalled		
	- S	park plu	igs. Che	Inspects	ag timing. Cleaned fuel screens. Lubed alled all engine hoses and scat ducting.		
	In of	specte f this da	d all extete via	aust sys	stem. Cleaned airfilter. No current AD's as		
			ssion Te		90 4/69/90 5/63/90 6/67/93		
					80 4/ 68/80 5/ 63/80 6/ 67/80 ————————————————————————————————————		
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	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Reco				
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		Date: 1/ Continer		0520WB	N58TF Hobbs: 1375.6 3F S/N: 518962 (Right)				
	+ 6	or debri	s check	installed	emoved oil filter. Refilled with 12qts Phillips 1/AA 48108-2 oil filter. Cut removed filter und. Ground run engine, no leaks or defects				
		M	na	10					
	- /		-		Philip M Connor A&P594203699 ————				
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Make: Teledyr	no Conti								
Model: TSIO5 Serial No.: 518	20WB31	rental N	~	ONTINEN	Date: 12/5/2016 Hobbs Time: 1393.1 Total Time: 839.1				
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Continental M	lotors Serv	e has be							
Continental M	lotors Serv	e has be			cordance with an annual inspection and determined to be in airworthy				
Continental M I certify that the condition.  Work Perform 14 CFR 43 Apguide. This eng of the repairs mere repaired at Factory Rebuilt Inspection. Next applicable time crossovers. Repengine with 12 Adjusted fuel sy operational and Authorized Signature.	ned Right pendix lagine was made to the mid reinstate and reinstate in service ositioned quarts of system using leak check the construct of the construction of the constru	t: Comp. D using removed is engine alled. D 220-5 left ion due a ce required oil cool Aerosheng data icks. ——I	letted an athe Beeck, repaired en inspection of the second at the first ement. Let lower coll 100 m from Core.	ANNUAI h Baron : d and rein: at Contine the repair o SN F15 t and ever Installed baffle sea ineral oil.	cordance with an annual inspection and determined to be in airworthy inspection in accordance with the scope and detail of the items listed in SP and 58TC Maintenance Manual 100-Hour Inspection Checklist as a stalled using original mounts and hardware, and torqued to specs. Details ental Motors Services under Work Order ES-7120. Cylinders 1, 2, and 6 is made to these cylinders on file under Work Order AC-7033. Installed CA100R. Complied with CMI SB669, Magneto Distributer Gear Block by 100-hour, progressive, or annual inspection thereafter not to exceed the new 654896 exhaust riser. Installed new 654892 and 654893 exhaust and secured. Drained oil and installed new AA48108-2 filter. Serviced Installed Factory Rebuilt R-646765-14A1 fuel pump SN B16EA071R. Motors Standard Practice Maintenance Manual M-0. Completed ground				
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12/4

Date

Time Since

Engine Service and Maintenant TCM TSIO-520-WB3F Moultrie Municipal Airport 189 Airport Drive

S/N: 518962 SMOH: TSN: 868.6 Hobbs/Tach: 1422.6/0.0

Moultrie, GA 31768 **Brought For** 

> Drained RIGHT engine oil, sample taken for analysis, removed oil filter and cut open for inspection, replaced with new oil filter (p/n AA48108-2); re-filled engine with 12qts Phillips 20W50 X/C with 5% Camguard additive. Ground check, OK. Details of work performed are on file with Eagles of America Inc. under work order: WO1371. All work performed IAW TCM ICA's.

> > Powell, Taylor 3742491 A&P IA November 2, 2017

Moultrie Municipal Airport 189 Airport Drive Moultrie, GA 31768

N58TF - TCM TSIO-520-WB3F S/N: 518962

> TSN: 877.7 Hobbs: 1431.7

Performed annual inspection; Cylinder differential pressure test resulted as follows; Master Orifice 45/80, #1 70/80, #2 70/80, #3 75/80, #4 68/80, #5 64/80, #6 76/80. Check magneto to engine timing. Removed all spark plugs, cleaned, inspected, re-gapped & re-installed in engine. Removed oil sump pre-heat element and replaced with new Reiff element (p/n: R-14) using supplied Aremco epoxy. Ground check, OK. Details of work performed are on file with Eagles of America Inc. under work order: WO1383. No other applicable AD's as of this date. All work performed IAW TCM ICA's & an annual checklist. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Powell, Taylor A&P IA 3742491 February 5, 2018

1 of 1

Moultrie Municipal Airport 189 Airport Drive Moultrie, GA 31768

N58TF - TCM TSIO-520-WB3F S/N: 518962 TSN: 908.0

Hobbs: 1462.0

1. Drained RH engine oil, sample taken for analysis, removed oil filter and cut open for inspection, replaced with new oil filter (p/n AA48108-2); re-filled engine with 12qts Phillips 20W50 X/C with 5% Camguard additive.

Ground check, OK. Details of work performed are on file with Eagles of America Inc. under work-order: WO1452. All work performed IAW TCM ICA's.

Powell, Taylor 3742491 A&P IA August 3, 2018

1 of 1



Eagles of America Inc. 189 Airport Drive Moultrie, GA 31768 229.890.9464

TCM TSIO-520-WB3F S/N: 518962

Tach: Hobbs: 1473.7 TSN: 919.7 SMOH:

1. Performed annual inspection; Drained engine oil, removed oil filter and cut open for inspection, replaced with new oil filter (p/n AA48108-2); re-filled engine with 12qts Phillips 20W50 X/C. Cylinder differential pressure test resulted as follows; Master Orifice 45/80, #1 13/80, #2 77/80, #3 73/80, #4 74/80, #5 75/80, #6 77/80. Check magneto to engine timing. Removed all spark plugs, cleaned, inspected, re-gapped & re-installed in engine. Checked engine fuel pressure and adjusted per ICA's. 2. Removed cylinder #1 and replaced with new SAP cylinder assembly (p/n: SA52006-A22P) along with new piston pin (p/n: SA630046). Rings were gapped per SAP L05-09 before being installed.

Ground check, OK. Details of work performed are on file with Eagles of America Inc. under work order: WO1549. No other applicable AD's as of this date. All work performed IAW TCM ICA's & an annual checklist. I CERTIFY THAT THIS RMINED TO BE ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAST IN AIRWORTHY CONDITION.

Powell, Taylor 3742491 A&P IA September 1, 2019

1 of 1

N58TF

S/N: TJ-292 TT: 6,230.3 HM: 1,490.3 DATE: 11/18/2020 MODEL: 58P

TSN: 936.3 S/N: 518962 **TSIO520WB3F RIGHT ENGINE:** 

- Completed 100-hr/Annual Inspection with lubes per FAR 43 appendix D and HBC MM 5-20-00 as guide
- Complied with engine oil change with Aeroshell 15W50 and installed new AA48108-2 filter. 2.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100-3. HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

AND IS APPROVED FOR RETURN TO SERVICE.

SIGNED

R. Karl Trenor A&P 2834048 IA



KRUQ- Rowan County Airport 3680 Airport Loop Rd Salisbury, NC 28147 (704) 310-1421

Reg: N58TF SN: 518962 Make: Continental Motors Hobbs: 1498.7 Aircraft Total Time: 6238.7 Date: 3/24/2022 Model: 58P

TTN: 944.7 TSMOH: 944.7 Right Engine: Model: TSIO-520-WB3F

Performed 100 hour inspection on this engine. Washed down engine for inspection. Drained oil and serviced with 11 QTS of Aeroshell 15w50. Removed old oil filter and installed new filter P/N: CH48109-1. Torqued and saftied. Cut open old filter, no contaminants, Lubed engine controls and linkages. Compression test (Continental SB03-3) 73, 75, 66, 73, 69, 75. Checked magneto timing. Installed overhauled Waste Gate (Professional Aircraft Accessories CRS#PO5R554Y WO#62937, ops ck normal.

Work with reference to Beechcraft Baron 58P and 58TC Maintenance Manual.

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KRUQ- Rowan County Airport 3680 Airport Loop Rd Salisbury, NC 28147 (704) 310-1421

cial Inspections.

Make: Continental Motors

Reg: N58TF

SN: 518962 Hobbs: 1541.4 Aircraft Total Time: 6281.4

Page 1 of 1

Date: 05/03/2023 Right Engine: Model: TSIO-520-WB3F

Model: 58P

TTN: 987.4 TSMOH: 987.4

Performed 100 hour inspection on this engine. Washed down engine for inspection. Drained oil and serviced with 12 QTS of Aeroshell 15w50. Removed old oil filter and installed new filter P/N: CH48109-1. Torqued and saftied. Cut open old filter, no contaminants. Lubed engine controls and linkages. Compression test (Continental SB03-3) 71, 71, 76, 60, 62, 77. Checked

magneto timing, ops ck normal. Work with reference to Beechcraft Baron 58P and 58TC Maintenance Manual.

I certify this Engine has been inspected in accordance with a 100 hour Inspection and was determined to be in airworthy

AP227863044IA

Date: 2/5/24

Registration: N58TF

Hobbs Time:

1551.3

Model: TSIO520 WB3F S/N: 518962

Aircraft Total Time:

Removed R engine top cowling. Removed engine starter drive for repair due to slippage. Reinstalled starter drive P/N 642087A68 S/N 59708 following overhaul by Aircraft Accessories of OK. Cleaned engine and cowling. All work performed following TCM TSIO 520 Overhaul

Manual, Engine ground run op check and leak check satisfactory.

A&P/IA 3435603

Ludvik J. Svetli