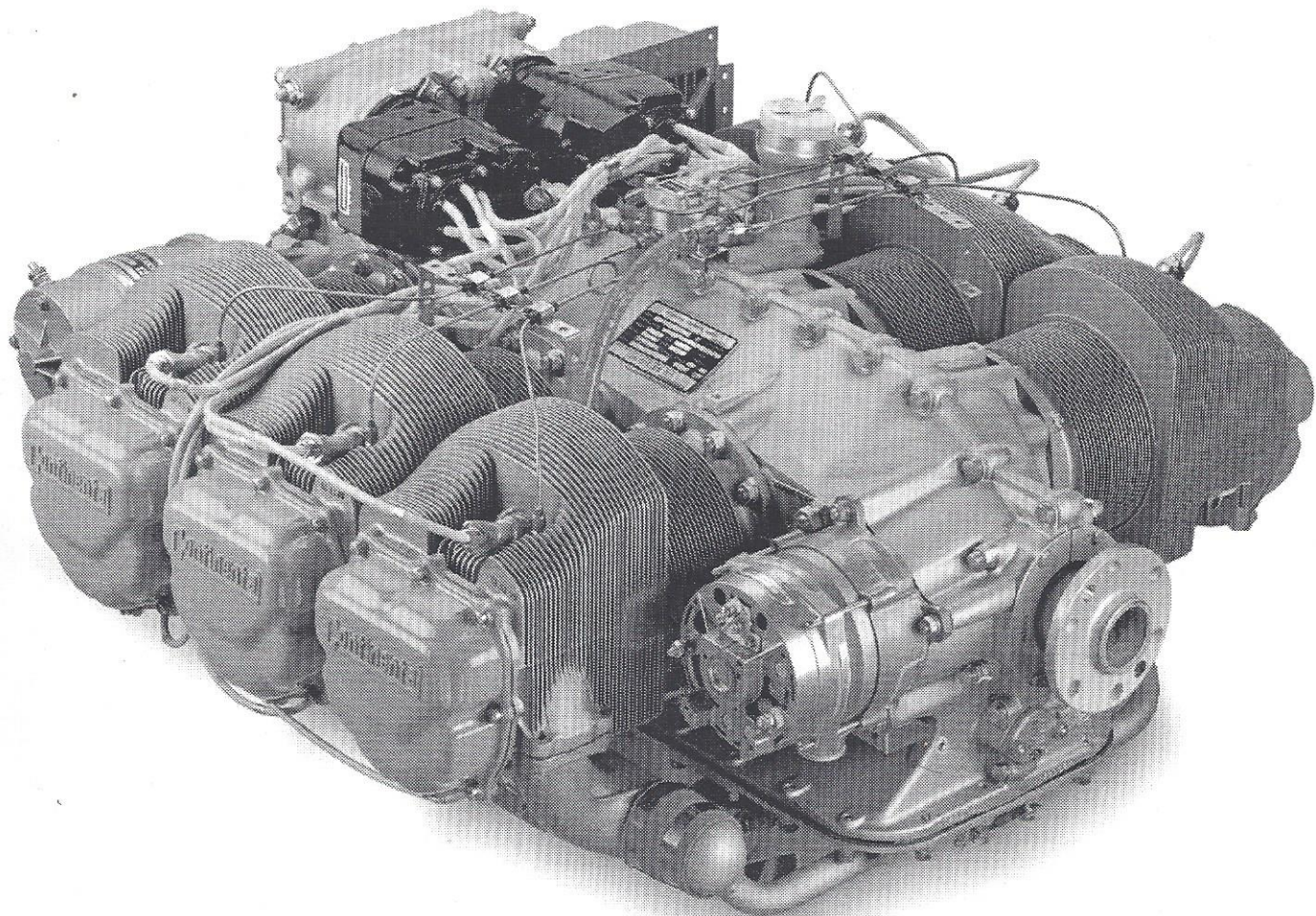


Right  
**ENGINE LOG BOOK**



RE.SN: 518940  
TSIO- 520WB3F



**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:

**Teledyne Continental Motors  
Abbeville Industrial Park  
Suite 159  
Abbeville, AL 36310**

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

This engine model  was manufactured on **Teledyne Continental Motors, Inc.** by Teledyne Continental Motors in accordance with applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine

**Printed: 09/29/2002**  
This engine model **TS10520WB3F** by, Serial No. **518940** was manufactured on **09/29/2002** 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	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
10/18/02	0				- Hobbs 1000.0 - This engine installed on right side of Beechcraft 58P s/n T-J-494 N7243A. Fuel system adjusted as per SID 97-3A & Beechcraft maintenance manual # 102-590000-5A18. Engine serviced with 12 qts. Aeroshell 40 wt. mineral oil. Ground ops. satisfactory.
I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.					Chuck Milton A & P 536400588 IA



FAA CRS FCPR831D  
 7777 NE Airport Way  
 Portland, OR 97218  
 Right Engine

DATE 11/8/2002 TAC/HM 1016.5 N7243A

Replaced right EGT/CHT gauge installed s/n 233, replaced CHT probe. Rigged engine controls. Functional check OK. Changed oil, serviced with Aero-Shell 15W50, removed, inspected and reinstalled oil filter, no metal found, run up and leak check OK. Pertinent details of the work described above are on file at this agency under W.O.#101544G Aircraft approved for return to service this date. END,

Flightcraft Portland RS# FCPR831D

*Jay Smith*

Jay Smith



FAA CRS FCPR831D  
 7777 NE Airport Way  
 Portland, OR 97218

DATE 1/29/2003 TAC/HM 1052.3 N7243A

Drained oil, inspected filter, no metal found. Installed new filter serviced with 12 qts. Aero-Shell 15W50. Run up and leak check OK. Pertinent details of the work described above are on file at this agency under W.O.#101876G Aircraft approved for return to service this date. END. Flightcraft Portland RS# FCPR831D

*Jay Smith*  
 Jay Smith



FAA CRS FCPR831D  
 7777 NE Airport Way  
 Portland, OR 97218

DATE 2/21/2003 TAC/HM 1058.6 N7243A

Replaced right starter adapter with new unit p/n 642087A58 IAW Continental MM Ch. 72. Run up and leak check OK. Replaced left wing fuel drain. Leak check OK. Pertinent details of the work described above are on file at this agency under W.O.#101952G Aircraft approved for return to service this date. END.

Flightcraft Portland RS# FCPR831D

*Jay Smith*

Jay Smith



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

**FLIGHTCRAFT**  
a PAPE GROUP company

FAA CRS FCPR831D  
7777 NE Airport Way  
Portland, OR 97218

DATE 5/6/2003 TAC/HM 1088.0 N7243A  
Drained oil, sent sample for analysis. Inspected filter, no metal found. Serviced with Aero-Shell 15W50 oil, run up and leak check OK. Pertinent details of the work described above are on file at this agency under **W.O.#102262G** Aircraft approved for return to service this date. **END.**  
Flightcraft Portland RS# FCPR831D Jay Smith Jay Smith

**FLIGHTCRAFT**  
a PAPE GROUP company

FAA CRS FCPR831D  
7777 NE Airport Way  
Portland, OR 97218

DATE 7/30/2003 TAC/HM 1120.8 N7243A  
Drained oil, took samples. Inspected filter, no metal found. Serviced with Aero-Shell 15W-50 oil. Run up and leak check OK. Pertinent details of the work described above are on file at this agency under **W.O.#102606G** Aircraft approved for return to service this date. **END.** Flightcraft Portland RS# FCPR831D Jay Smith Jay Smith

**FLIGHTCRAFT**  
a PAPE GROUP company

FAA CRS FCPR831D  
7777 NE Airport Way  
Portland, OR 97218  
Right engine

DATE: 11/20/2003 TAC/HM: 1152.8 TOTAL TIME : 2517.8 TSO : 341.8 N7243A  
Accomplished the following inspections: Compression #1) 75/80, #2) 75/80, #3) 76/80, #4) 74/80, #5) 73/80, #6) 74/80.  
Following repairs accomplished: Drained oil, inspected filter, no metal found. Serviced with Aero-Shell 15W50. Cleaned, gapped tested and reinstalled spark plugs. Run up and leak check OK.  
**I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AS PER PART 43 APPENDIX D, AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. APPLICABLE A.D. NOTES AS RECORDED COMPLIED WITH DETAILS ON W/O # 102978G**  
SIGNATURE Jay Smith INSPECTOR. Flightcraft Portland RS# FCPR831D

**FLIGHTCRAFT**  
a PAPE GROUP company

FAA CRS FCPR831D  
7777 NE Airport Way  
Portland, OR 97218  
Right Engine

DATE 5/17/2004 TAC/HM 1195.6 N 7243A  
Drained oil, inspected oil filter, no metal found. Installed new filter serviced with Aero-Shell 15/W50 oil. Run up and leak check OK. Pertinent details of the work described above are on file at this agency under **W.O.#103688G** This aircraft was repaired and inspected in accordance with current federal aviation regulations and is determined to be **Airworthy** with respect to the work performed. Aircraft approved for return to service this date. **END.**  
Flightcraft Portland RS# FCPR831D Jay Smith Jay Smith



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →



FAA CRS FCPR831D  
7777 NE Airport Way  
Portland, OR 97218  
Right Engine

**DATE: January 3, 2005 1236.8 TAC/HM: AFTT:2601.8 Eng TT 236.8 N7243A**

Accomplished the following inspections: Annual Inspection IAW FAR 43 D, Compression #1) 74/80, #2) 72/80, #3) 70/80, #4) 72/80, #5) 72/80, #6) 72/80.

Accomplished the following Airworthiness Directives and Service Bulletins: No Airworthiness directives apply at this time.

Following repairs accomplished: Drained oil, inspected filter; no metal. Serviced with Aero-Shell 15W-50 oil, cleaned gapped, tested and reinstalled sparkplugs. Run up and leak check OK.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AS PER PART 43 APPENDIX D, AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. APPLICABLE A.D. NOTES AS RECORDED COMPLIED WITH DETAILS ON W/O #104773G  
SIGNATURE *Jay Smith* INSPECTOR. Flightcraft Portland CRS# FCPR831D



FAA CRS FCPR831D  
7777 NE Airport Way  
Portland, OR 97218  
Right Engine

**DATE: 7/5/2006 TAC/HM: 1273.5 TTAF : 2638.5 TT ENG 273.5 N7243A**

Accomplished the following inspections: Annual inspection, IAW FAR 43 appendix D. Compression #1) 68/80, #2) 69/80, #3) 68/80, #4) 67/80, #5) 65/80, #6) 68/80.

Following repairs accomplished: Induction cross over pipe, removed, repaired and reinstalled. Replaced manifold drain valve. Drained oil, inspected filter, serviced with Aero-Shell W80 oil. Timed magnetos, run up and leak check OK. I

CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AS PER PART 43 APPENDIX D, AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. APPLICABLE A.D. NOTES AS RECORDED COMPLIED WITH DETAILS ON W/O #107857G

SIGNATURE *Jay Smith* INSPECTOR. Flightcraft Portland CRS# FCPR831D



FAA CRS FCP2831D  
90454 Boeing Dr.  
Eugene, OR 97402

**DATE 11/2/06 TACH/HM 1267.4 TOTAL TIME -- SMOH -- N# 7243A**


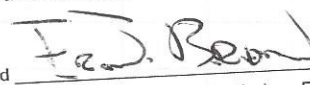
Installed Raiff Turbo XP engine pre heat system consisting of cylinder heaters and oil sump heater on left and right engines in as a minor alteration in accordance with Raiff instructions and A.C. 43.13-1B.

operational check good. Changed oil and filter, inspected old filter, no metal noted. Installed new CH48108-1 filter and serviced with 12 quarts Aeroshell 15W50 oil. Ground ran engine, no leaks noted.

"This certifies that only the work requested by the customer and described on Work Order No. 338902 was accomplished and inspected in accordance with manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed". SIGNATURE *Pat Edis* INSPECTOR.

FLIGHTCRAFT INC./EUGENE CRS FCP2831D

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

UNIT RH Engine				Elliott Aviation of Minneapolis, Inc. 13801 Pioneer Trail Eden Prairie, MN 55347 Certificate No. KX5R005N			
REGISTRATION N7243A				TSO	CYCLES	HOUR METER	TOTAL TIME
DATE 03/30/07	MFG. TCM	MODEL TSIO-520WB	S/N 518940		1302.3	302.3	
Changed oil using Shell 15W50. Changed oil filter. Opened old filter. No contaminants noted. Oil samples taken and results sent to owner. Engine run up showed no oil filter leakage.							
*****END***** 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 Elliott Aviation of Minneapolis, Inc. under work order 457142 Date 3/30/07							
Signed 			For: CRSKX5R005N				
(Authorized Representative) Eric J. Brown			Elliott Aviation of Minneapolis, Inc. 13801 Pioneer Trail Eden Prairie, MN 55347				

WINDWALKER AVIATION SERV. LLC 3 TOM LAMBRECT DRIVE ROMEDEVILLE, IL 60446		FAA CRS# W4LR644Y PHN: (866) 606-5327
<b>RIGHT ENGINE</b>		
REG # N7243A	S/N: TJ-494	ATT: 2686.3
		TSO: 321.3
<b>ACCOMPLISHED THE FOLLOWING INSPECTIONS:</b>		
-- Complied with Annual Inspection IAW FAR 43 APPENDIX D. COMPRESSION: #1--69/80, #2--66/80, #3--71/80, #4--68/80, #5--70/80, #6--69/80		
-- Drained oil, inspected filter serviced with A/S 15W50Woil. Checked timing of magnetos, run up and leak checked o.k.		
I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH THE SCOPE AND DETAIL OF PART 43 APPENDIX D, AND WAS DETERMINED TO BE IN AN AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF WORK ORDER #1010, ARE ON FILE AT WINDWALKER AVIATION SERVICES, LLC.		
SIGNED: 	Date Jul 12, 2007	Work Order#: 1010
WINDWALKER AVIATION SERVICES LLC, 3 TOM LAMBRECHT DRIVE, ROMEDEVILLE, IL 60446 (866)606-5327, FAA CRS#W4LR644Y		



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought **WindWalker Aviation Serv. LLC**

3 Tom Lambrecht Drive  
Romeoville IL 60446  
Ph: (866)606-5327  
Fax: (888)475-7538



**RIGHT ENGINE**  
MODEL#: TCM TSIO-520-WB3F  
S/N: 518940  
TTSN: 369.8

**Performed the following maintenance items:**

Performed an oil change on R/H engine. Serviced with 12qts of A/S 15W50 engine oil. Replaced CH48108-1 Oil filter with new. Leak checked OK.

*I certify that this aircraft, engine, propeller or component has been maintained as required by the Federal Aviation Regulations, and has been determined to be airworthy condition and approved for return to service with respect to the work performed. Pertinent details are on file at this repair station with the named work order.*

Signed: *[Signature]* 04/08/2008 WO#: 1165

WindWalker Aviation Services, LLC, 3 Tom Lambrecht Drive, Romeoville, IL 60446, FAA Certificated Repair Station No.W4LR644Y

Note: Hobbs Meter Replaced July 2, 2008. Please apply following for calculation for time in service going forward:

N7243A 58P S/N TJ494  
AFTT = Hobbs + 2744.0  
ENG TT = AFTT -2365.0 or Hobbs +379.0  
PROP TT = AFTT -106.3 or Hobbs +2637.7  
PROP TSOH = AFTT -2176.0 or Hobbs +568.0

**WindWalker Aviation Serv. LLC**

3 Tom Lambrecht Drive  
Romeoville IL 60446  
Ph: (866)606-5327  
Fax: (888)475-7538



**RIGHT ENGINE**  
MODEL#: TCM TSIO-520-WB3F  
S/N: 518940  
TTSN: 379.0 Hobbs: 0.0

**Accomplished The Following:**

- Performed an Annual inspection of the right engine per CFR 43 Appendix D.
- ENGINE COMPRESSION RESULTS: RH#1-68#2-66#3-68#4-68#5-64#6-74 over/80
- Removed and replaced oil filter with new, inspected removed filter - no abnormal debris noted. Serviced oil system with 11qts of Aeroshell W100 oil. Replaced induction air filter with new P/N 50-389070-23 filters. Next Due @ ENGTT-879.0 hrs. Checked magneto timing, replaced spark plugs with new P/N URHB32E. Run-up & leak check satisfactory.

*I certify that this aircraft, engine, propeller or component has been maintained as required by the Federal Aviation Regulations, and has been determined to be airworthy condition and approved for return to service with respect to the work performed. Pertinent details are on file at this repair station with the named work order.*

Signed: *[Signature]* 07/02/2008 WO#: 1174

WindWalker Aviation Services, LLC, 3 Tom Lambrecht Drive, Romeoville, IL 60446, FAA Certificated Repair Station No.W4LR644Y

Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

BE 58P	Emery Air, Inc.	26 Nov, 2008
N7243A	Hawker Beechcraft Service Center	WO: PT-60018
TJ-494	Greater Rockford Airport-Rockford, IL 61109	ACTT: 2789.4
TSIO-520-WB	FAA Approved Repair Station No. E81R759X/EASA.145.4811	HM: 45.4
s/n: 518940	Right Engine Log Insert	ETSN: 424.4

1. Drained oil cut open and inspected filter. Serviced with 11qts Aeroshell 15W50 det oil. Installed new CH48108-1 filter. Oil sample taken and sent to Aviation Labs Kenner LA.
2. Removed and reinstalled starter adapter, p/n: 642087A58. Installed starter, 646275-1, overhauled by Kelly Aerospace.
3. Installed new intake & exhaust lifters, 653877 & 683888. TCM OH Manual 72-60-10.
4. Ground run and leak check good, MM 71-10.

**MAINTENANCE RELEASE**

WO: PT-60018 Date: 11-26-08

Signed: 

Approved for Return to Service With Respect to the Work Performed  
EMERY AIR INC.  
Greater Rockford Airport, Rockford, IL 61109  
F.A.A. Approved Repair Station No. E81R759X/EASA.145.4811



Hawker Beechcraft Services, Inc. IND  
6821 Pierson Drive  
Indianapolis, IN 46241 USA  
Ph. (317)240-5077 fax (317)240-5092

**RIGHT ENGINE LOG ENTRY**

MODEL	A/C S/N	A/C REG.	WORK ORDER#	ACTT	ACTCYC:	HR MTR:	DATE
TSIO-520-WB3F	TJ-494	N7243A	03-04-2354	2836.9 hrs	--	92.9 hrs	8-13-09
RT ENG SN	RT ENG TT	RT ENG TCYC	RT ENG TSO				
518940	471.9 hrs	--	--				


Annual / 100 Hour Inspection, IAW Baron Annual or 100 Hour Long Form Inspection Guide. Compression Check / Master Orifice - 47/80. #1-73 #2-68 #3-73 #4-71 #5-68 and #6-72. Changed Oil and replaced Filter p/n CH48108-1. Serviced with 11qts of Aeroshell 15W50. Annual Clean and Inspect Fuel Injector Nozzles. Ground run leak check satisfactory. Complied with TCM MSB 94-8C, Magneto to Engine Timing. Complied with TCM MSB 09-1A, Suspect EQ3 Cylinder Installation - is NA per Engine S/N. Resecured Oil Pan Heater. Swapped Turbo Controller between engines. Left s/n FFN00063 is now Right. Right s/n FFN00064 is now Left.

Performed ground runs. Leak checks and ground operational checks in accordance with the inspection guide. I certify that this Engine has been inspected in accordance with the instructions and procedures of a current manufacturer's recommended inspection program, approved for 14 CFR Part 91.409(a)(1) and was determined to be in airworthy condition.



Hawker Beechcraft Services, Inc. IND  
6821 Pierson Drive  
Indianapolis, IN 46241 USA  
Ph. (317)240-5077 fax (317)240-5092

Hawker Beechcraft Services  
CRS-ML2R009L  
EASA 145.6120

  
Name: David W. Pieper  
Title: Inspector



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
9/25/09	124	3	31	.4	Changed oil and filter Filter # CH48/08-1 12 QT AeroShell oil W100 50W
11/12/09	157	0	32	7	Changed Oil and Filter No oil Sample. 12 QT AeroShell oil W/100 50W
1/30/10	190	5			Changed oil/FILTER AeroShell W100 50W
3/26/10	218	2			Changed oil NO FILTER 12 QT AeroShell oil 50W

ENGINE MODEL:  
TSIO520WB3F  
ENGINE S/N (R): 518940  
REG. NO: N7243A  
WORK ORDER:  
Murrieta3353-04-2010

**Gryphon Aircraft Services, LLC.**

Repair Station No. CRS 2SDR271B  
37680 Sky Canyon Drive  
Murrieta, CA 92563

DATE: 4/21/2010  
A/C TSN: 2970.9  
ENG TT (R): 605.9  
TSMOH (R): 605.9  
HOBBS: 226.9

**Right Engine Entries**

Performed compression check - Orifice 50psi - #1 - 71 #2 - 61 #3 - 74 #4 - 64 #5 - 75 #6 - 75...Change oil filter and inspecter filter element o.k. no abnormalities noted.

The above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta3353-04-2010. FAA CRS #2SDR271B.

DATE: 4/21/2010

SIGNED: *G.M.* 2SDR271B

Work Order: Murrieta3353-04-2010

5/14/10	244	7	26	5	Changed Oil NO FILTER 12 QT AeroShell oil 50W
6/12/10	270	4	32	7	Changed oil and FILTER 12 QT AeroShell W160 + OIL 50

ENGINE MODEL:  
TSIO520WB3F  
ENGINE S/N (R): 518940  
REG. NO: N7243A  
WORK ORDER:  
Murrieta3453-07-2010

**Gryphon Aircraft Services, LLC.**

Repair Station No. CRS 2SDR271B  
37680 Sky Canyon Drive  
Murrieta, CA 92563  
Phone: 951-775-1932

DATE: 7/12/2010  
A/C TSN: 3032.1  
ENG TT (R): 667.1  
TSMOH (R): 667.1  
HOBBS: 288.1

**Right Engine Entries**

Replaced rt vac pump installed new p/n AA442CW-4. run up o.k.

The above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service. All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta3453-07-2010. FAA CRS #2SDR271B.

DATE: 7/12/2010

SIGNED: *G.M.* 2SDR271B

Work Order: Murrieta3453-07-2010

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1 of 1

7/23/10	300	2	29	8	Changed oil NO FILTER AeroShell PLUS 100 50W

Date	Total
	Hrs.

**Gryphon Aircraft Services, LLC.**  
 ENGINE MODEL: TSIO520WB3F  
 ENGINE S/N (R): 518940  
 REG. NO. N7243A  
 WORK ORDER: Murrieta3526-08-2010

DATE: 10/6/2010  
 A/C TSN: 2061.9  
 ENG TT (R): 696.9  
 TSMOH (R): 696.9  
 HOBBS: 317.9

**Brought Forward**

**Right Engine Entries**

Completed 100 hour inspection of engine...cleaned fuel injectors and replaced seals...changed oil and filter, inspect filter element o.k...Service with AS 100 mineral oil...Run for leaks o.k... Removed and replaced all cylinders for repair by One Stop Aviation, CRS XR3R981L...Reinstalled cylinders using all new seals, gaskets, safeties as required...Cleaned and gapped all spark plugs...Compressions all 70/80 or better after initial runs... Repaired R/H eng. L/H exhaust manifold heat shield retainers... Adjusted fuel flows and idle settings as required... Remove and replace magneto's for 500 hour inspections by aero accessories CRS XB2R286L. Retimed to engine IAW TCM Manual... Repaired R/H engine baffle.

I Certify that this ENGINE has been inspected IAW and ANNUAL inspection and was determined to be in AIRWORTHY Condition.All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta3526-08-2010. FAA CRS #2SDR271B.

DATE: 10/6/2010 SIGNED: *Jim* 2SDR271B Work Order: Murrieta3526-08-2010

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**Gryphon Aircraft Services, LLC.**  
 ENGINE MODEL: TSIO520WB3F  
 ENGINE S/N (R): 518940  
 REG. NO. N7243A  
 WORK ORDER: Murrieta3615-11-2010

Repair Station No. CRS 2SDR271B  
 37680 Sky Canyon Drive  
 Murrieta, CA 92563  
 Phone: 951-775-1932

DATE: 12/8/2010  
 A/C TSN: 3078.5  
 ENG TT (R): 713.5  
 TSMOH (R): 713.5  
 HOBBS: 334.5

**Right Engine Entries**

Replaced R/H #4 CHT prob.... R&R starter adapter. Installed Starter Adp.p.n. 642087A10-M s.n. CAM09-280. from Canadian Aero Manf. w.o.# 09-280 in accordance with STC SE01628NY. A/C test run, all ops normal.... Lubed all engine controls.

The above identified Aircraft, Engine, Propeller or Appliance was repaired and inspected in accordance with current FAA regulations and is APPROVED for return to service.All work performed IAW applicable service manuals or other approved documentation. Pertinent details of the repair are on file at this repair facility under Work Order No. Murrieta3615-11-2010. FAA CRS #2SDR271B.

DATE: 12/8/2010 SIGNED: *Jim* Work Order: Murrieta3615-11-2010

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12-10-2010 354 2 Changed OIL NO Filter 12 qt Aero Shell 100+ 50 WT Pilot's Cat # 3339457



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

**Right Engine Log Entry**

04/25/13    481.3 Hobbs Clock    860.3 TSN    Continental TSIO-520- WB3F    S/N 518940

Changed oil & filter. Serviced with 12 qts. Aeroshell 100W+ oil and installed new CH48108-1 filter. Checked mag timing & replaced mag harness with new P/N M1740R, cleaned fuel finger screen, replaced air filter with new Donaldson P12-4439 filter, checked & lubed engine controls, and replaced spark plugs with new P/N RHB32E. Compression check as follows: #1-78, #2-70, #3-72, #4-74, #5-74, #6- 74, all over 80. Replaced alternator with new FAA PMA Plane Power C28-150 unit. Reworked AirWolf air/oil separator with new AirWolf W-3000 assembly. Replaced all fuel and oil lines with new hose kit supplied by Precision Hose Technology. Removed air filter air box, sanded and repaired with carbon fiber / epoxy layout, clear coated, & reinstalled with new Dzus fasteners and mounting hardware. Installed new RAM turbocharger, P/N 409680-9011, S/N OBL00276. Cleaned & surfaced turbo waste gate valves and installed new RAM turbo connection clamps and fabricated new TIT probe clamps. Replaced Alcor factory TIT probe. Installed new gaskets on turbo to scavenge tank & replaced hose for breather vent. Installed rebuilt fuel injector servo, P/N 2524624-7, S/N 78381, supplied by Precision Air-motive. Installed protective heat shield material to catch tray. Replaced hoses to upper deck pressure valve and waste gate vent with new parts. Removed and reinstalled nacelle trough, P/N 102-980000-8, after weld repair and brazing by Spitfire Aerospace Services, W/O 1109-2501, dated 9/30/11. Cleaned intake manifolds and replaced all gaskets with new parts. Replaced all intake connection duct s with new RAM P/N's 1125-1, & SS4-300, and replaced all clamps with RAM P/N 1170-2. Stripped & repainted valve covers. Installed new RAM exhaust gaskets. Replaced engine baffling with new RAM kit # 1086 and drilled 1" hole in sheet metal on #5 cylinder per Beechcraft Power Plant SB No. 2021, Rev. 1. Removed 6 TCM fuel nozzles and installed turbo GAMljector kit No. GT14B under STC SE09289SC. (see form 337 dated 1/23/13) C/W AD 84-26-03 by in-stallation of Donaldson P12-4439 air filter, next filter replacement is due by 981.3 Hobbs Clock. AD's 11-13-03, 12-03-06, and 12-10-13 are not applicable as affected parts are not installed on aircraft. Run-up and leak checked. Engine O.K.

I certify that this engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in Airworthy Condition.


Signature *Mark Ardoyne* A&P 3030006

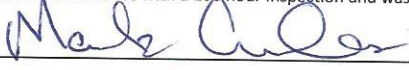
<b>Dallas Executive Aircraft Service, LLC</b> Phone: 214-558-1238 Email: shavermchad@gmail.com	Aircraft: N7243A	Model: TSIO 520WB3F
	S/N: TJ-494	S/N: 518940
Right Engine log		
Hobbs: 553.0    TSMOH: 932.0    ETT: 932.0 <b>Time Items Complied with:</b> 1. Performed 100 hour inspection.		
<b>ADs/Service Bulletins Accomplished:</b> 1. Complied with AD 2014-05-29, no SAP cylinders installed.		
<b>Maintenance Actions Performed:</b> 1. Ran compressions test, compressions read: #1: 79/80, #2: 78/80, #3: 78/80, #4: 78/80, #5: 78/80, #6: 79/80. 2. Drained engine oil and removed filter. Cut filter, no metallic contamination found. Installed new CH48108-1 filter and serviced with 12 quarts of Aeroshell 100W oil. Ran engine, leak and operational checks good. 3. Torqued all rocker cover hardware on both engines, leak checks good.		
I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. 5/23/14 Chad Shaver A&P 2857120		



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	


Brought Forward →

<b>Dallas Executive Aircraft Service, LLC</b> Phone: 214-558-1238 Email: shavermchad@gmail.com	Aircraft: N7243A S/N: TJ-494 Right Engine log	Model: TSIO 520WB3F S/N: 518940
Hobbs: 579.0 Maintenance Performed: 1. Adjusted engine manifold pressure, operational checks good. 7/16/14 Mark Curless A&P 424828181 		

<b>Dallas Executive Aircraft Service, LLC</b> Phone: 214-558-1238 Email: shavermchad@gmail.com	Aircraft: N7243A S/N: TJ-494 Right Engine log	Model: TSIO 520WB3F S/N: 518940
Hobbs: 634.7      TSMOH: 1013.7      ETT: 1013.7 <b>Time Items Complied with:</b> 1. Performed 100 hour inspection. <b>Maintenance Actions Performed:</b> 1. Ran compressions test, compressions read: #1: 78/80, #2: 77/80, #3: 78/80, #4: 77/80, #5: 77/80, #6: 78/80. 2. Drained engine oil and removed filter. Cut filter, no metallic contamination found. Installed new CH48108-1 filter and serviced with 12 quarts of Aeroshell 100 Plus oil. Ran engine, leak and operational checks good. 3. Removed right propeller, removed and replaced crank shaft seal with new P/N 641250, installed propeller and torqued to 75-80 ft/lbs. I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. 5/23/14 2/4/16 Mark Curless A&P 424828181 		

06 MAY 2017	639	3	1018	3	CHANGED OIL AND FILTER W/ 12 QTS AEROSHELL 100 AND CH48108-1. Removed / installed both LT AND RT MAGNETOS FOR 500 HR SERVICE BY AIS, LLC SEE WO# 2878 AND # 2879 FOR WORK PERFORMED. OIL FILTER CUT OPEN WITH NO CONTAMINATION NOTED. REPLACED ALL SPARK PLUGS WITH NEW TEMPEST 12 EA URH B36S. COMPRESSIONS AS FOLLOWS: #1-78 #2-76 #3-76 #4-75 #5-75 #6-75 SEE LATEST AO COMP. RECORD FOR C/W. <hr/> END
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I certify that this aircraft engine has been inspected in accordance with an annual a 100 hr inspection and was determined to be in an airworthy condition.


 AP30404151A  
 SIGNATURE      CERTIFICATE NO.



Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	



**BROADIE'S AIRCRAFT**

Meacham International Airport

4701 N. Main St., Loc 44N, Fort Worth, Texas 76106

817-626-1532 www.BroadiesAircraft.com

Aircraft Registration # N7243A S/N: TJ-494  
 Continental Model: TSIO-520-WB S/N: 518940

ETSN	1074.4
HOBBS	695.4

Description of work performed: Engine #2

- 1 C/W Beechcraft 58P Annual Inspection. IAW 5-20-00
- 2 Drained R/H engine oil. Removed and cut open oil filter to check for metal in R/H engine. No metal found at this time. Installed new oil filter, P/N:CH48101-1 and safetied. Serviced engine with 12qts of Aero100W.
- 3 C/W R/H engine compression check. 1.70/80 2.65/80 3.72/80 4.71/80 5.68/80 6.71/80. Checked for cracks. All compressions good and no cracks found. IAW TCM TSIO-520-W-B MM 6-4-11.2
- 5 Performed ground engine run up. Op's check and leak check good.

I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. All work was done IAW the manufacturers service instructions and the aircraft is approved for return to service in regards to the work performed.

Signature: *John Weese*

Repair Station # WF1R582K  
Date: 4/19/2018



Repair Order # 18-002282

**AMS**  
AIRCRAFT MECHANICAL SERVICES, Inc.  
9519 Airport Drive, Hanger 19  
Visalia, CA 93277  
**Right Engine**

DATE: 1/9/19      MODEL: TSIO520WB3F      SMOH: 1119.9      HOBBS: 740.9  
 REG: N7243A      S/N: 518940

- 1 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL
- 2 INSTALL NEW OIL FILTER ELEMENT PN:CH48108-1
- 3 ENGINE OIL SAMPLE TAKEN

**RAPHAEL LOPEZ -A&P 7209706**

PERTINENT DETAILS ON FILE: W.O. 724010919

**AMS**  
AIRCRAFT MECHANICAL SERVICES, Inc.  
9519 Airport Drive, Hanger 19  
Visalia, CA 93277  
**Right Engine**

DATE: 3/14/19      MODEL: TSIO520WB3F      SMOH: 1148.6      HOBBS: 769.6  
 REG: N7243A      S/N: 518940

- 1 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL
- 2 INSTALL NEW OIL FILTER ELEMENT PN:CH48108-1
- 3 ENGINE OIL SAMPLE TAKEN

**RAPHAEL LOPEZ -A&P 7209706**

PERTINENT DETAILS ON FILE: W.O. 724031419



9519 Airport Drive, Hanger 19  
Visalia, CA 93277

Right Engine

DATE: 6/21/19      MODEL: TSIO520WB3F      SMOH: 1174.6      HOBBS: 795.6  
REG: N7243A      S/N: 518940

- 1 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL.
- 2 INSTALL NEW OIL FILTER ELEMENT PN:CH48108-1.
- 3 ENGINE OIL SAMPLE TAKEN .

RAPHAEL LOPEZ - A&P 2709706

PERTINENT DETAILS ON FILE: W.O. 724052319

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9519 Airport Drive, Hanger 19  
Visalia, CA 93277

Right Engine

DATE: 7/1/19      MODEL: TSIO520WB3F      SMOH: 1190.0      HOBBS: 811.0  
REG: N7243A      S/N: 518940

- 1 COMPRESSION TEST: 1/65, 2/60, 3/65, 4/68, 5/65, 6/70.
- 2 OIL SAMPLE TAKEN.
- 3 INSTALL NEW OIL FILTER PN:CH48108-1.
- 4 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL.

STEPHEN STEWART - A&P 2129169

PERTINENT DETAILS ON FILE: W.O. 724070119



9519 Airport Drive, Hanger 19  
Visalia, CA 93277

Right Engine

DATE: 7/1/19      MODEL: TSIO520WB3F      SMOH: 1190.0      HOBBS: 811.0  
REG: N7243A      S/N: 518940

ANNUAL INSPECTION COMPLETED THIS DATE. ALL APPLICABLE AD'S CHECKED AND C/W OR N/A AS LISTED IN AD LOG. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE.

STEPHEN STEWART - IA 2129169

PERTINENT DETAILS ON FILE: W.O. 724070119



9519 Airport Drive, Hanger 19  
Visalia, CA 93277

Right Engine

DATE: 11/19/19      MODEL: TSIO520WB3F      SMOH: 1240.1      HOBBS: 861.1  
REG: N7243A      S/N: 518940

- 1 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL.
- 2 INSTALL NEW OIL FILTER ELEMENT PN:CH48108-1.
- 3 ENGINE OIL SAMPLE TAKEN .

RAPHAEL LOPEZ - A&P 2709706

PERTINENT DETAILS ON FILE: W.O. 724111919





9519 Airport Drive, Hanger 19  
Visalia, CA 93277

**Right Engine**

DATE: 03/31/20      MODEL: TSIO520WB3F      SMOH: 1275.8      HOBBS: 896.8  
REG: N7243A      S/N: 518940

- 1 ENGINE OIL SAMPLE TAKEN .
- 2 INSTALL NEW OIL FILTER ELEMENT PN:CH48108-1.
- 3 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL.

*Raphael Lopez*  
RAPHAEL LOPEZ - A&P 2709706

PERTINENT DETAILS ON FILE: W.O. 724033120

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9519 Airport Drive, Hanger 19  
Visalia, CA 93277

**Right Engine**

DATE: 06/16/20      MODEL: TSIO520WB3F      SMOH: 1301.2      HOBBS: 922.2  
REG: N7243A      S/N: 518940

- 1 ENGINE OIL SAMPLE TAKEN .
- 2 INSTALL NEW OIL FILTER ELEMENT PN:CH48108-1.
- 3 SERVICE ENGINE WITH 12 QUARTS OF AEROSHELL 100W PLUS OIL.

*Raphael Lopez*  
RAPHAEL LOPEZ - A&P 2709706

PERTINENT DETAILS ON FILE: W.O. 724061620