

N5765M

1969 Cessna T310P

Left Engine Logbooks (1981-Current)



RidgeAir
WORLDWIDE
aviation specialists

MSN: 310P0065

Prepared by the worldwide aviation specialists at RidgeAir, Inc.

L

THIS ENGINE REQUIRES THE USE OF ASHLESS
DISPERSANT OIL IN ACCORDANCE WITH MIL-L-22851
RECOMMENDED OIL GRADES:
ABOVE 60°F - USE SAE 50 OR 60 WT.
BELOW 30°F - USE SAE 40 WT.
EXTREME GOLD-PREHEATING OF ENGINE OIL
WILL BE REQUIRED REGARDLESS OF GRADE USED.

The Standard



ENGINE LOG

LH Engine Logbook #2
N5765M AF S/N 310P0065
Engine M/N TSIO-520-B
Engine SN 145681-8-B
11/5/1982 - _____

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER CONTINENTAL MODEL T510-520-B

SERIAL 145679-8-B TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT _____

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

The Standard



ENGINE LOG

NOTES

M^cCAULEY 3AF32C87B N

PROP. HUB SERIAL # 676366 6-27-96 REPLACED BY

PROP. HUB SERIAL # 731434

Continental TSIO-520-B
S/N 145679-8-B

SCHNECK AVIATION, INC.
1222 99th AVENUE

5 November 1981
W. O. 20538

MAKE Continental MODEL TSIO-520-B
S/N 145679-8-B DATE 5 November 1981



Schneck Aviation, Inc. certifies that this engine has been disassembled, inspected, overhauled, reassembled and tested in accordance with current recommended procedures and all clearances and tolerances are within the new limits for parts as manufactured. Procedures and limits used are as contained in the F.A.A. Approved Major Overhaul Manual supplied by Continental.

A listing of applicable Airworthiness Directives, factory service bulletins, letters and instructions complied with is attached and a part of this release.

A comprehensive performance inspection and run-in was conducted in a precision test cell and engine meets design criteria.

Schneck certifies the engine identified below was overhauled and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the overhaul are on file at this Repair Station under work order number 20538.

SIGNED: WE Lingo
C.R.S. # 2150
PREVIOUS ENGINE HOURS: 1458.6

FOR:
SCHNECK AVIATION, INC.
1222 99th St.
San Antonio, Texas 78214
F.A.A. Approved Repair Station No. 2150

- SB M77-2 Exhaust P/cker and inspection. S/W
- SB M78-3 Governor oil transfer collar sleeve. N/A
- SB M80-15 Crankcase cylinder deck studs. P/C/W

Continental TSI0-520-B
S/N 145679-8-B

SCHNECK AVIATION, INC.
1222 99th AVENUE
STINSON MUNICIPAL AIRPORT
SAN ANTONIO, TEXAS 78214

5 November 1981
W. O. 20538
T. T. 1458.6
TSMOH 00:00

A. D. NOTE STATUS

71-9-3 Fuel injection pump inspection. C/W
72-24-3 Oil filter adapter and filter replacement. C/W
73-7-4 Replacement ignition coil and rotating magnets. C/W
74-26-9 Inspection magneto for solid steel driveshaft bushing. N/A
77-13-22 Crankcase inspection for cracks. N/A
78-06-01 Replacement of #2 cylinder intake tube (-J & -N). N/A
78-09-07 Inspection of S-20, S-1200, and D-2000 series magnetos. N/A
79-05-09 Oil pressure relief valve plunger and screw. C/W

MANUFACTURER SERVICE BULLETIN STATUS

SB M80-27 Magneto timing. C/W
SB M81-2 Crankshaft ultrasonic inspection. C/W
SB M74-12 Crankshaft counterweight location. C/W
SB M74-8 Discontinuance of lockwashers. C/W
SB M73-5 Crankshaft counterweight inspection. C/W
SB M72-8 New design splined scavenge pump shaft and gear assembly. C/W
SB M70-7 Increasing size of oil feed hole to starter adapter. P/C/W
SB M80-13 100% replacement parts at overhaul. C/W
SB M76-4 Installation instruction for propeller shaft seal. C/W
SB M76-20 Oil filter change. C/W
SB M77-9 Thru bolt change. C/W
SB M77-14 Crankcase identification, inspection, and replacement. C/W
SB M77-2 Exhaust rocker arm inspection. C/W
SB M78-3 Governor oil transfer collar sleeve. N/A
SB M80-15 Crankcase cylinder deck studs. P/C/W

SCHNECK AVIATION, INC.
1222 99th AVENUE
STINSON MUNICIPAL AIRPORT
SAN ANTONIO, TEXAS 78214

- S. R. Install and bore rocker arm bushings. C/W
S. R. Install and bore connecting rod bushings. C/W

ACCESSORIES

- Ignition Harness: Skytronics, New.
Magneto: Bendix, S/N A41026 Overhauled and bench tested.
Magneto: Bendix, S/N A38486 Overhauled and bench tested.
Fuel Injection: Continental, S/N M19452 Overhauled and bench tested.

THIS ENGINE EQUIPPED WITH STANDARD CHROME CYLINDERS

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-17-82	H.M.	=	1434.2	
CHANGED OIL & FILTER				Date <u>9-15-82</u> Tach <u>1506.3</u> W/O <u>10103</u>
50W AEA	54R	DET		I Certify That This <u>E26296</u>
				Has Been Inspected in Accordance
				With a <u>504R</u> Inspection
B2 Regel A4P 1329900				Form and was approved For Return
SCHNECK AVIATION			WO# 10011	To Service.
				Schneck Aviation, Inc.
				Repair Station #407-96
				<u>B2 Regel</u>
				Authorized Signature

DATE 19__

RECORDING TACH TIME

TODAYS FLIGHT

TOTAL TIME IN SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date 2-2-85 Tech 62722 W/O 23031

I Certify That This Engine

Has Been Inspected in Accordance

With a 35 hr Inspection

Form and was Approved for Return

to Service.

Schnell Aviation, Inc.

Repair Station #408-96

DR2 [Signature]

Authorized Signature

Per Swell 106W Det

Oil Analysis Taken

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				
	Date <u>2-28-88</u> Tach <u>1683.2</u> W/O <u>12881</u>			<u>Devo - Spell 100 W Det. OIL.</u>
	I certify that this Has Been Inspected In Accordance With a <u>3548</u> Inspection Form and was Approved For Return To Service.			
	Schneck Aviation, Inc. Repair Station #408-96			
	<u>Devo</u> Authorized Signature			
				Dynamically Balanced this engine and propeller assy. to 1.03 IPS.
	Date <u>2-17-88</u> Tach <u>1683.2</u> W/O <u>12881</u>			
	Schneck Aviation, Inc. Repair Station #408-96			
	<u>Devo</u> Authorized Signature			

DATE 19 <u>90</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
D-17	TACH	1779.1	485	320.5 S.M.O.A. OIL O FILTER CHANGED 1675
				ACRS-54011) 10000 (O.M.B. (P.8005) #1-7) #3-76 #3-76 #4-74
				#5-78 C/W A.D. 25-33-08 BS PART BY VISUAL
				INSPE. C/W AD 23-14-08 B, BY VISUAL INSPE. REPLACED
				3 DEICE BOOTS ON REEF BAR.
				DATE: 12-17-90 (PROP 661.0 YRS / 9-2-20)
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH
				A 100% <u>100%</u> INSPECTION AND THIS DETERMINED TO BE IN AN
				APPROPRIATE CONDITION AND IS APPROVED FOR RETURN SERVICE. PERTINENT
				DETAILS ON FILE UNDER ORDER NUMBER <u>1588</u>
				HOUR METER/ENGINE TACH. <u>1779.1</u> TOTAL TIME <u>320.5 S.M.O.A.</u>
				A.D. NOTES THROUGH ISSUE NUMBER <u>90-22</u>
				COMPLIANCE RECORDED: <u>12/16/90</u>
				AUTHORIZED SIGNATURE: <u>Richard A. Boyd</u>

REDLANDS AVIATION

FAA REPAIR STATION ROOM 497H
1795 Sassums Drive

Redlands, California 92374

12-21-90

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
12-21-90			

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
 ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF
 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

DYNAMIC BALANCED PROPELLER IN ACCORDANCE WITH
 CHADWICK HELMUTH FAA APPROVAL MANUAL AW-9511-2

ADDED 50.4 GRAMS TO #13 O'CLOCK POSITION.

TACH 1780 HRS. DATE 12-21-90. IPS BEFORE 145

IPS FINAL 208 *D. Collins*

DONALD F. ALLISON A & P - IA 1481667 • 1-800-562-SPIN

MONTAIVA POMA JDSR

DEPT. 1000 151 2100BOR

7914442 QXK8KQ2

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-23	1798.6	HRS		CHARSHIP a/c & Filter, Pen-Syell 1000 11gts.
19 92				*1-70 #2-76 #3-73 #4-72 #5-73 #6-70
				C/AS #AD-91-19-03 By installing oil filters with Apprives
				DATE Code. Temp m91-6 N/A BECAUSE C/AS MANU'S
				PRior TO 1-1-81.

DATE 1-22-92

IDENTIFY THAT THIS ENGINE WAS BEING INSPECTED IN ACCORDANCE WITH 2011039
A BNUAC INSPECTION AND WAS DETERMINED TO BE AIRWORTHY AFTER THE
AIRWORTHY CONDITION AND IS APPROVED FOR RETURN SERVICE. PERMITTED TO BE RE-REGISTERED AND
DETAILS ON FILE UNDER ORDER NUMBER 20123.

HRUR METER/ENGINE TACH. 1798.6 TOTAL TIME 240.0-5.09.0.4.

A.D. NOTES THROUGH ISSUE NUMBER 91-25

COMPLIANCE RECORDED: 1N 2095

AUTHORIZED SIGNATURE: [Signature]

REDLANDS AVIATION
 FAA REPAIR STATION RDDR 497H
 1795 Sassums Drive
 Redlands, California 92374

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-2-93	1818.7			CHANGED OIL & FILTER ACORN SHELL 100W 11qt
	360.1			CORR. #1-74 #2-74 #3-78 #4-75 #5-75 #6-71
	700.6			
				DATE: 2-2-93
				I CERTIFY THAT THIS <u>ENGINE</u> WAS BEEN INSPECTED IN ACCORDANCE WITH
				<u>ACORN</u> INSPECTION AND WAS DETERMINED TO BE IN AN
				AIRWORTHY CONDITION AND IS APPROVED FOR RETURN SERVICE. PERTINENT
				DETAILS ON FILE UNDER ORDER NUMBER <u>3672</u>
				HOUR METER/ENGINE TACH. <u>1818.7</u> TOTAL TIME <u>360.1</u> <u>57064</u>
				ALL NOTES THROUGH ISSUE NUMBER <u>92-27</u>
				COMPLIANCE RECORDED: <u>24</u> <u>2895</u>
				AUTHORIZED SIGNATURE: <u>[Signature]</u>

REDLANDS AVIATION
 FM-REPAIR STATION ROOM 494H
 1795 Seelye's Drive
 Redlands, California 92374

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-21-97	1891.7	Repairs	To	Replaced Fuel & Oil hoses, made up by "Herber M/c".
				OIL COOLER TO U.S.
				OIL COOLER TO TURBO
				CONSOLE TO CASE.
				Fuel SUPPLY LINE.
				VAPOR RETURN "
				UN-METERED Fuel LINE FROM PUMP.
				METERED RETURN LINE TO PUMP.
				METERED Fuel LINE TO MANIFOLD VALVE.
				#3 Fuel FEED LINE.
				SCAVENGE PUMP SUCTION LINE.
				Fuel Pressure SWITCH LINE.
				ALL LINES ARE "TESTON"
				DESERT AIRLINES
				WO# 1696
				X <u>202 Dwyer</u> AWP 1329900

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
88.	1893.2		434.6	<p>Compression Test #1) 71 #2) 75 #3) 76 #4) 74 #5) 71 #6) 74 over</p> <p>80 PSI</p> <p>Changed oil & filter serviced with AEROSEAL</p> <p>1000 cc SD oil.</p> <p>Cleaned regaprod and tested all spark plugs.</p> <p>Aprime tested fuel system found no leaks. (AD 72-14-0881)</p> <p>1893.2 TOTAL TIME 434.6 SMOE</p> <p>FAIRLY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A AN <u>ASAC</u> INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION.</p> <p>ALL DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY UNDER WORK ORDER # <u>1661</u></p> <p>DATE <u>8-8-97</u> SIG. <u>[Signature]</u></p> <p><u>IA 487338414</u></p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 98	1900.3		441.7	

Completion of #1) 76 #2) 76 #3) 76 #4) 76
 #5) 76 #6) 76 over 80 PSI
 changed on 1/4 filter serviced with pressure
 100 PSI oil.
 cleaned and top spark plugs
 applied with AD 72-16 08 8.)
 removed
 top hand hours.

TACH TIME 1900.3 TOTAL TIME 441.7 SMON

I CERTIFY THAT THIS ENG INSE HAS BEEN INSPECTED
 IN ACCORDANCE WITH A IAN ANNUAL INSPECTION AND
 WAS FOUND TO BE IN AN AIRWORTHY CONDITION.

ALL DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY
 UNDER WORK ORDER # 2074

DATE 9-98 SIG [Signature]
I 041733 6414

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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1905.8
447.7

Com. Service
Inst. #1) 68 #2) 78 #3) 75

#4) 74 #5) 72 #6) 74

Changed oil & filter serviced with Aerospace
100 w 50 oil

TACH TIME 1905.8 TOTAL TIME 447.2

I CERTIFY THAT THIS [Signature] HAS BEEN INSPECTED
IN ACCORDANCE WITH FAA [Signature] INSPECTION AND
WAS FOUND TO BE IN AN AIRWORTHY CONDITION.
ALL DEFECTS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY
UNDER WORK ORDER # 2457

DATE NOV 09-99 SIG

[Signature]

T 8462325416

L-08 AIRCRAFT MAINTENANCE
424 N. Civic Dr. Palm Springs, CA. 92262

Date 04/02/2003	POSITION Left
MODEL T310P	HOBBS 1911.7
S/N 310P-0065	TTAF 1911.7
N 5765M	TSMOH 453.1

I certify that this engine was inspected in accordance with an 100hr/annual inspection as per FAR43 appendix D & Cessna Service Manual. Compression test done #1 75/80, #2 72/80, #3 70/80, #4 68/80, #5 70/80, #6 72/80. Drained oil, cut filter. No metal found. Serviced with 12qts Aeroshell 100W & CH48108 filter. Engine controls checked and lubed. Checked magneto timing. Cleaned, gapped and tested spark plugs. Adjusted fuel flow settings to specifications. Installed new gasket in oil separator. Cleaned all fuel injectors using the ultrasonic method. Wash down engine. Ground run and leak check Ok. Checked AD compliance through this date, see attached signed compliance record with aircraft records. See W/O# 4178 on file at this facility for further details. All work completed in accordance with Cessna Service Manual. I certify that this engine is airworthy and approved for return to service.

Sign.
-END-

A&P 135388626

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

RONIG AIR SERVICE
115A AIRPORT RD
NEWNAN GA 30263

AFTT : 2094.4 TSMOH: 635.8
HOBBS: 2094.4 Date: 05/10/07
REGISTRATION: N5765M LT

1. Performed Annual Inspection IAW Cessna T310P Inspection Guide.
2. Comp Check #1 77/ 80, #2 77/80, #3 75/80, #4 74/80, #5 78/80, #6 72/80
3. Changed oil and filter serviced with Aeroshell 100 plus.

I certify this Engine has been inspected IAW an Annual inspection and determined to be in airworthy condition.

RICKY RONIG AP31871471A



DLK
AVIATION, INC.
2601 Cessna Lane Kennesaw, GA 30144 770-427-4954
LOG ID# 11932 31-August-2009 WO# 9361
N5765M S/N 65 PIPER 310P
HOBBS 2170.8

*** LEFT ENGINE LOG ENTRY ***

REPLACED LEFT TACH GENERATOR WITH OVERHAULED UNIT BY ACCESSORIES INC WO# 58505R DATED 02-08-2008.
RAN ENGINE - ALL CHECKS NORMAL.

MAINTENANCE RELEASE.
THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#9361 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.


Signed DK7R795J FOR DLK AVIATION, INC.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				



2601 Cassna Lane Kennesaw, GA 30144 770-427-4954
 LOG ID# 12157 16-December-2009 WO# 9374
 N5765M S/N 65 PIPER 310P
 HOBBS 2179.3
 TLT ENG 2179.3 TTSMOH 720.7
 AVIATION, INC.

*** LEFT ENGINE LOG ENTRY ***

SEE AIRCRAFT LOG FOR AD'S COMPLIED WITH DURING THIS ANNUAL. REPLACED THE FOLLOWING: #6 LOWER SPARK PLUG P/N RHB32E: TACH GENERATOR WITH OVERHAULED UNIT BY AIRCRAFT ACCESSORIES, INC. WO#62868R DATED 08-14-2009 P/N 0850350-5 S/N 71543, THREE CLAMPS P/N NAS1924-91 AND THREE EXHAUST COUPLINGS P/N MVT64832-3. REMOVED LEFT MANIFOLD - HAD OVERHAULED BY PLANE EXHAUST CORP WO#9023 DATED 11-24-2009 P/N 9910301-3. RETORQUED ROCKER BOX COVER SCREWS. ROTATED SEVERAL PUSH ROD TUBES TO SEAT SEALS. RIGHT EXHAUST PIPE - HAD OVERHAULED BY PLANE EXHAUST CORP WO#9023 DATED 11-24-2009 P/N 9910301-3. DRAINED OIL. CHECKED AND REPLACED OIL FILTER - NO METAL NOTED. OIL SAMPLE TAKEN. CLEANED AND GAPPED SPARK PLUGS. SERVICED WITH AEROSHELL 50/100W OIL. WASHED ENGINE, RAN ENGINE - ALL CHECKS NORMAL. NO OIL LEAKS NOTED. LUBRICATED TURBO CONTROLS. INSPECTED EXHAUST SYSTEM. CLEANED FUEL INJECTORS. CHECKED TIMING OF MAGNETOS. PERFORMED COMPRESSION CHECK: #1 70/80 #2 70/80 #3 70/80 #4 73/80 #5 60/80 #6 76/80. SET FUEL PRESSURES IN ACCORDANCE WITH SID 97-3D. I CERTIFY THAT THIS AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION.

MAINTENANCE RELEASE.
 THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO#9374 AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

David L. Hendricks
 Signed DK7R795J FOR DLK AVIATION, INC.



2601 Cessna Lane Kennesaw, GA 30144 770-427-4954
 LOG ID# 12341 15-March-2010 WO# 10072
 N5765M S/N 65 PIPER 310P
 HOBBS 2184.2

AVIATION, INC.

*** ENGINE LOG ENTRY ***

REPAIRED #4, #6 CHT PROBE WIRING.

MAINTENANCE RELEASE.
 THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR WORK PERFORMED UNDER WO# AT REPAIR STATION DK7R795J. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

David Kendall
 Signed DK7R795J FOR DLK AVIATION, INC.

CSG AVIATION

DATE:	01/20/11	A/C Reg #:	5765M
ENG:	TSIO-520-B	ENG S/N:	145679-8-B
A/C Tach:	2218.1	A/C S/N:	310P0065
AFTT:	2218.1	ENG TT:	759.5 SMOH

Left Engine: Completed 100hr/Annual inspection IAW FAR 43 App D and Continental TSIO-520-B Checklist. Drained oil, cut and inspected filter with no defects noted. Serviced with 12qt Phillips XC20W50 and installed new AA48108 filter. Cleaned and gapped spark plugs. Cleaned fuel nozzles. Compressions were at 70/80 or higher. All AD notes complied with thru Dec 2010. Installed oil temp probe for engine analyser. Lubed wastegate. I certify that this engine has been inspected IAW a 100hr/Annual inspection and found to be airworthy at this time and is approved for return to service.

Rodney Johnson

Rodney Johnson IA3548804

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				



AIRCRAFT REG: N5765M DATE: 4/16/13
 MFG: TCM (left) WORK PACKAGE: P4285
 MODEL: TSIO-520-B TACH TIME:
 SERIAL: 14679-8-R TOTAL TIME:
 HOUR METER: 22810 TSMOH:

Ran up engine, drained oil, and removed filter. ~~Washed~~ and inspected oil filter. No contaminants found. Installed new AA48108 oil filter and new MS35769-11 crush gasket on the oil drain plug. Safety wired both drain plug and filter. Serviced with 11 qts of A/S 50Wt Mineral Oil oil. Washed down engine. Performed ground run up, leak and operational check ok. Soldered wire on noise filter and insulated wiring. Performed this task referencing Section 5 ACA3 13 1 B. Removed all fuel injectors, cleaned in the ultrasonic cleaner. Reinstalled injectors with all new o-rings and seals in cylinders and torqued. B nuts torqued. Leak checked; no leaks noted. Accomplished referencing GAMI Kit No. GT14C STC No. SE09289SC paragraph "Maintenance" and TCM SB96-7C. Removed all left engine spark plugs and found both top and bottom #5 and 6 and bottom #3 oil fouled. Cleaned, inspected, rotated, and gapped all spark plugs. Reinstalled spark plugs with new gaskets. Reference TCM SIL 03-2B and Champion Aviation Maintenance Manual AV6-R. Performed differential compression check on left engine and results are as follows: #1: 74/80, #2: 5/80, #3: 76/80, #4: 76/80, #5: 0/80, and #6: 77/80. Performed this task referencing TCM SB 03-28-2003. Removed #2 cylinder. Installed an Overhauled cylinder SN# PGA5413-2. Overhauled by Poplar Grove Airmotive Inc. under WOF# 5413. Serviced engine with 12 qts of Aeroshell 100 mineral oil. Pre oiled engine. Performed ground run up, leak and operational check ok. Retorqued all exhaust nuts. Performed this task using TCM SB 96-7C Torque Limits dated 2-8-2005 and TCM Overhaul Manual Publication # X30574 dated August 2011. Removed #5 cylinder. Installed an Overhauled cylinder SN# PGA5413-1. Overhauled by Poplar Grove Airmotive Inc. under WOF# 5413. Pre oiled engine. Performed ground run up, leak and operational check ok. Retorqued all exhaust nuts. Performed this task using TCM SB 96-7C Torque Limits dated 2-8-2005 and TCM Overhaul Manual Publication # X30574 dated August 2011. #2 cylinder had one an exhaust stud pull out. Installed -P12 Oversize Stud

S & S AVIATION CO (L) **MODEL:** **TCM TSIO-520-B** **DATE:** **09-18-2013**
CHEROKEE COUNTY AIRPORT **A/C REG:** **N5765M** **TACH:** **2305.5**
1800 AIRPORT DRIVE **A/C S/N:** **310P0065** **TOTAL:** **2305.5**
BALL GROUND, GA. **ENG S/N:** **145679-8-B** **SMOH:** **0846.9**

OIL DRAINED, FILTER REMOVED AND CHECKED. INSTALLED CH48108-1 OIL FILTER AND SERVICED WITH AEROSHELL 15W50 OIL. COMPRESSIONS: #1-74; #2-76; #3-71; #4-71; #5-79; #6-78. SPARK PLUGS CLEANED, GAPPED, AND ROTATED. IGNITION TIMING CHECKED. FUEL SCREEN CHECKED. ADJUSTED FUEL PRESSURES, IDLE MIXTURES AND IDLE SPEED. ENGINE WASHED, TEST RAN, AND CHECKED FOR LEAKS. RETURNED TO SERVICE.

SIGNED:  CERT#: 3191860 A&P IA



DATE	REGISTRATION	ENGINE (L)	SERIAL#	HOBS
12 DEC 2013	N5765M	TS10520-B	145679-8-B	2337.6

Removed both mags. Replaced points, condensers, oil seals and oil seal bushing in both mags. Replaced right mag bearings. Timed mags to engine. Adjusted unmeasured fuel pressure. Adjusted idle and idle mixture.


 Arlin C. Wass A&P 1340061



ARLIN'S AIRCRAFT SERVICE, INC.

36 GALLATIN FIELD, BELGRADE, MT 99714 (KBEZ)
(406)-308-1351, FAX (406)-308-7417, www.arlin.com, arlin@arlin.com

DATE	REGISTRATION	ENGINE (L)	SERIAL#	HOBBS	SMOH
13 OCT 2015	N5765M	TS10-520-B	145679-8-B	2401.7	943.1

Inspection completed this date. Checked compression. Cleaned plugs. Checked mag timing. Changed oil and filter. Checked alternator and starter. Cleaned fuel screen. Installed overhauled exhaust system, new waste gate and overhauled tail pipe. See form 8130-3. Compiled with exhaust AD 2000-01-16 par (B) (C) (D) and (G) AD 75-23-08 exhaust clamps due at 2679.3 HR. Removed #6 cylinder. Replaced exhaust guide. Installed new intake and exhaust valves. Installed cylinder with new seals and gaskets. Installed exhaust studs on cylinders 1, 3 and 5. Pressure checked exhaust system. Checked controls. Washed and ran engine. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in an airworthy condition.



Arlin C. Wass A&P 1340061



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DATE	REGISTRATION	ENGINE(L)	SERIAL#	HOBBS
3 DEC 2015	N5765M	TS10520B	145679-8-B	2402.7

Installed and repaired starter adapter part number 642085A17. Ran engine and checked for leaks and operation. See form 8130-3.



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DATE	REGISTRATION	ENGINE (L)	SERIAL#	HOBBS
15 DEC 2015	N5765M	T510-520B	145679-8-2B	2405.1

Installed an overhauled turbo, part number 406610-9025. Serial number B1015122. Ran engine. No leaks noted. See form 8130-3.



Arlin C. Wass A&P 1340061

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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Mountain Side Aviation, Inc: N5765M, LH Engine:

- 04/21/16 Tach: 2441.7
- Changed oil and filter, cut filter and inspected, serviced with Aeroshell 15W50.
- Performed run-up/leak check.

Sammy Motta A&P 2609877

04/21/16	2498.0	Hobbs	Changed oil & filter, cut filter & inspected,
	1039.4	Tsmolt	serviced w/ Aeroshell 15W50. Performed compress:
			#1-75, #2-72, #3-76, #4-69, #5-76, #6-73/80psi.
			Replaced all spark plugs w/ new, replaced
			Air Filter, checked mag timing. Replaced
			#5 EGT probe w/ new JPT 1280 probe kit. Removed
			#2 Intake tube & replaced EIT oil temp probe
			w/ new P-120 probe. Re-installed Int tube w/ new
			gasket. AD 2014-05-29 N/A by cylinders not
			installed. AD 2016-16-12 N/A by cylinders not
			installed. Cleaned Eng & per forward Run-up
			leak check. Cont →

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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cont →

I certify that this engine has been inspected I/AAW an Annual inspection and was determined to be in airworthy condition

Mountain Side Aviation, Inc: N5765M, LH Engine: *Sammy Motta* IA 2609877

- 06/01/17 Tach: 2536.3
- Changed oil and filter, cut filter and inspected, serviced with Aeroshell 15W50.
- Performed run up/leak check

Sammy Motta A&P 2609877

12/11/17	2558.0	Hobbs	Changed oil & filter, cut filter & insf
	1099.4	Tsmolt	serviced w/ AHS 15W50. cleaned/gapped /rotated
			plugs. Performed compression: #1-77, #2-75, #3-76, #4-68
			#5-72, #6-72/80 psi. Changed air filter, checked mag
			timing. Labeled all Turbo/wastegate components. Cleaned
			Eng & Performed Run-up/leak check.
			I certify that this engine has been inspected I/AAW an Annual inspection and was determined to be in airworthy condition
			<i>Sammy Motta</i> IA 2609877

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				



Mountain Side Aviation, Inc: N5765M, LH Engine:

10/19/18 Hobbs: 28.2

- Changed oil and filter, cut filter and inspected, serviced with Aeroshell 15W50.
- Performed run-up/leak check

Erwin Mads A&P 2609877



Mountain Side Aviation, Inc: N5765M, Airframe:

10/24/18 Hobbs: 28.2



Replaced LH Aux fuel pump in LH main tank with overhauled pump 1C6-10, S/N 1F87

Erwin Mads A&P 2609877

12/27/18	28.2	Hobbs	Performed compression: #1-70, #2-68, #3-69, #4-72, #5-72, #6-75/80 psi. Cleared/gapped/rotated plugs, checked mag timing. Changed Air Filter. 3 hrs to complete Run-up/leak check
			Inspection and was determined to be in airworthy condition
			<i>Erwin Mads</i> A&P 2609877

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12/2/14		53.6	1175.8	<p>53.6 Hobbs Changed oil & Filter, cut Filter & TSNOH inspected, serviced w/ Aeroshell 15w50. Performed compression: #1-71, #2-72, #3-75, #4-76, #5-75, #6-78. cleaned/gapped / Rotated plugs, replaced one plug w/new. Installed Donaldson AM102735EA Air Filter, checked mag timing. Removed Propeller & replaced crankshaft seal per TCM 5B m26-4. Reinstalled prop & Torqued. Replaced two Turbo v band clamps per AD 2000-01-16 (see A/C log). Performed Run-up/leak check.</p>
				<p>I certify that this <u>Engine</u> has been inspected I/AVW an Annual inspection and was determined to be in airworthy condition [Signature] FA 5009877</p>
09/02/20		64.4		<p>Removed and replaced all spark plugs w/ 1866 TSNOH PMA WRHB335 [Signature] ATP 3054239</p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19				

Registration # N576SM Hobbs 101.1
 AF Serial # 310P0065 Tach -
 Eng Make TCM AFTT 2682 LEFT ENGINE LOG
 Eng Model TSIO-520-B Eng TT 2682
 Eng Serial # 145679-8-B Eng TSOH 1223.4
 Work Order # 14615
 **obAVIATION** 
 GEORGIA AVIONICS
 829 Ronald Wood Road, Winder, GA 30080

1 OIL / FILTER CHANGE. Removed cowlings. Drained oil. Collected and sent oil sample for analysis. Removed oil filter. Cut open filter and inspected for contaminants. None noted at this time. Installed new oil filter P/N CH48108-1. Serviced engine with 11 quarts Aeroshell 15W50 oil. Ground run / leak check OK. Reinstalled cowlings.

*****END*****

All work has been performed in accordance with current FAA regulations and applicable maintenance manuals. Details of work performed are on file under work order referenced above. This engine is approved for return to service with respect to work performed.


 Thomas Richard Wood II AP 3492599

20-Jul-22
Date

Registration # N576SM Hobbs 115.2
 AF Serial # 310P0065 Tach -
 Eng Make Continental AFTT 2696 1 LEFT ENGINE LOG
 Eng Model TSIO-520-B Eng TT 2696 1
 Eng Serial # 145679-8-B Eng TSOH 1237.5
 Work Order # 14788
 **obAVIATION** 
 GEORGIA AVIONICS
 829 Ronald Wood Road, Winder, GA 30080

- 1 Performed a 100-Hour Inspection in accordance with FAR 43 Appendix D.
- 2 Cleaned, inspected, gapped, rotated, reinstalled spark plugs. Cleaned ignition leads.
- 3 Performed magneto timing check

	#1	#2	#3	#4	#5	#6
4 Performed compression check.	61	67	65	66	76	76

CONTINUED NEXT PAGE

DATE RECORDING TACH TODAY'S TOTAL TIME IN ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF (RIES.)

5 OIL / FILTER CHANGE: Complied with Continental SB 07-01 Rev A - Drained oil through 1,000 micron screen. No debris noted. Removed oil filter. Cut open filter and inspected for contaminants. None noted. Installed new oil filter and serviced engine with oil.

Oil Filter installed AA48108-2 Oil Qty: 11 quarts Oil: Aeroshell 15/50 Oil

6 Removed alternator P/N AL T-9405 S/N F000011, found broken mounting flange. Installed overhauled alternator P/N AL T9522 S/N G08420 with new gasket P/N 653981. Ground run / leak check OK

7 Installed new idler sprocket bushing gasket PN 654828. Leak check OK

8 Serviced nose strut with nitrogen. Leak check OK

Researched new and recurring Airworthiness Directives using Avart Tdata. Tdata Rev # 2023-05

Complied with ADs listed below:

1 AD 70-03-04 R1 Turbosupercharger Turbine. This aircraft has improved stainless steel turbocharger shrouds installed. Repetitive inspections terminated per paragraph C. No further action required.

2 AD 72-14-08 Flexible Hose Assemblies. This aircraft has improved Aeroquip AE701 series hoses installed. Repetitive inspections terminated per paragraph E.

3 AD 84-26-02 Paper Induction Air Filter - Removed, cleaned, inspected, reinstalled induction air filter. Next replacement due 553 6 Hobbs. Next inspection due March 2024

4 AD 2000-01-16 Exhaust System paragraphs b, c, e - Found fore and aft inboard slip joint springs out of tolerance. Removed, cleaned, lubricated slip joint with anti-seize. Found 1 spring failed specification check. Installed new spring P/N 186-218. Reinstalled slip joint springs at correct tolerance.

NEXT Due: Para b: 165 2 Hobbs / 2746; 1 AFTT; Para c: Mar 2024; Para d: 587 5 Hobbs / 3168.4 AFTT; Para e: Mar 2024; Para f: 553 6 Hobbs / 3134.5 AFTT; Para g: Oct 2027 or 4901.7 Hobbs / 4901.7 AFTT

5 AD 2012-03-06 Prevent In-Flight Shutdown due to Failed Fuel Servo. AD not applicable per manufacturer and part number

*****END*****

I certify that this engine has been inspected in accordance with a 100-Hour inspection per FAA Regulations and applicable maintenance manuals. Details of work performed are on file under work order referenced above. The engine is approved for return to service with respect to work performed.

 ABIA 6068

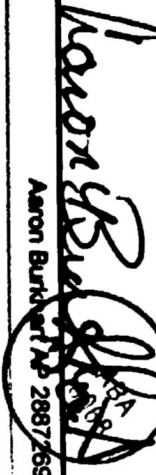
Nathan Croyall AP 4041231

30-Mar-23

Date

Performed an Annual Inspection in accordance with FAR 43 Appendix D.

I certify that this engine has been inspected in accordance with an Annual inspection per FAA Regulations and applicable maintenance manuals. Details of work performed are on file under work order referenced above. This engine is approved for return to service with respect to work performed.

 ABIA 2887

Aaron Burkert AP 2887269 IA

30-Mar-23

Date

Registration # N5765M Hobbs 200.6
 AF Serial # 310P0065
 Eng Make Continental AFTT 2781.5
 Eng Model TSIO-520-B Eng TT 2781.5
 Eng Serial # 145679-8-B Eng TSOH 1322.9
 Work Order # 15379

LEFT ENGINE LOG

829 Ronald Wood Road, Windsor, GA 30680



- 1 Performed a 100-Hour Inspection in accordance with FAR 43 Appendix D.
- 2 Cleaned, inspected, gapped, rotated, reinstalled spark plugs. Cleaned ignition leads.
- 3 Performed compression check.

#1	#2	#3	#4	#5	#6
74	74	72	66	76	74

4 OIL / FILTER CHANGE: Ran up engine. Removed cowlings. Drained oil through 1000 micron filter in accordance with Continental CSB 07-01 Rev A. No debris noted. Collected and sent oil sample for analysis. Removed oil filter. Cut open filter and inspected for contaminants. No debris noted. Installed new oil filter. Serviced engine with oil. Ground run / leak check OK. Reinstalled cowlings.

Oil Filter installed AAA48108-2 Oil Qty: 11 quarts Oil: Aeroshell 15/50 Oil

5 Performed borescope of LH engine. Found significant deposits on cylinder #1 exhaust valve. Removed cylinder #1, lapped, cleaned, and polished valve seat. Cleaned intake valve seat. Reinstalled cylinder with new O-ring. Ground run / leak check OK. Compression improved to 74/80.

6 Adjusted LH and RH pressure controllers accordingly to match.

7 Installed new alternator noise filter P/N 11-08060.

8 500-Hour Magneto Inspection. Removed, disassembled, cleaned, and inspected LH and RH magnetos. No faults noted at this time. Reassembled magnetos, set internal timing. Reinstalled on engine with new gaskets and lock washers. Set timing to 20 degrees BTDC.

9 Installed new #3 & #5 EGT probes P/N M-111. Cleaned up and re-secured wiring.

10 Cleaned intake airbox.

Researched new and recurring Airworthiness Directives using Avant Tdata.

Complied with ADS listed below:

Tdata Rev # 2025-12

1 AD 84-26-02 Paper Induction Air Filter. Installed new induction filter P/N AM102735EA. Next replacement due Hobbs 700.6 / 3281.5 AFTT. Next inspection due Jul 2026.

2 AD 2000-01-16 Exhaust System Paragraphs b, c, e. Performed a visual inspection of the exhaust system iaw para b. No faults noted at this time. Para b next due 250.6 Hobbs / 2831.5 AFTT or Aug 2025. Removed and inspected tailpipe iaw para c. No faults noted at this time. Reinstalled tailpipe. Para c next due: Jul 2026. Performed pressure test of exhaust system iaw para e. No faults noted at this time. Para e next due: Jul 2026.

*****END*****

I certify that this engine has been inspected in accordance with a 100-Hour Inspection per FAA Regulations and applicable maintenance manuals. Details of work performed are on file under work order referenced above. This engine is approved for return to service with respect to work performed.


 Thomas Richard Wood II AP 3492599

11-Jul-25
Date

TIONS
 NUMBER OF
 ENTRIES.)

