

N 8305W

#3

FROM - 11-27-06



The Standard

ENGINE LOG

ASA-SE-2

11/27/06

MODEL: TIO-540-S1AD

S/N: L7449-61A

TACH READING: 0162.2

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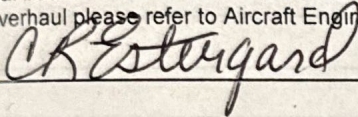
AIRCRAFT ENGINE SPECIALISTS, LLC

2350 SOUTH AIRPORT BOULEVARD

CHANDLER, ARIZONA 85249

(480) 516-0390 CRS # ZF7R728Y

Engine was overhauled this date. Magnafluxed and penetrant inspected parts as required. Installed Lycoming new cylinder assemblies P/N 05K21108 and camshaft P/N SL19340. Crankcase was overhauled by Divco Inc., counterweights were reconditioned by Aircraft Specialties Services, oil cooler and intercooler were cleaned and tested by S.C. Modification and turbo charger and pressure relief valve were overhauled by Main Turbo. Installed fuel injector P/N 2524791-7 S/N 77695, fuel pump P/N RG9080J6A/M S/N D-1769, rebuilt Magneto P/N BL682560-13 S/N G06GA050R, overhauled starter P/N MZ4222 S/N G042841 and an overhauled alternator P/N ALY6521 S/N FA2122A. This engine was overhauled and test run in accordance with Lycoming overhaul manual #60294-7-9 and was found to be airworthy for return to service. All Service Bulletins and AD's are complied with to this date. For details pertinent to this overhaul please refer to Aircraft Engine Specialists Work Order #3450.


 CR Estergard

Parts installed on WO# 3450

Lycoming

QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
1	LW-15903	SEAL & GASKET	4	STD-1339	PLUG	1	AN565B1032H5	SCREW
6	73772	NOZZLE ASSY	24	STD-596	NUT	6	LW14830	BEARING
8	MS49005-2	PLUG	1	77527	EXTENSION PIPE	2	13A19399	BEARING

continued next page over

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

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QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
12	SL74309A	BEARING	4	STD-122	WASHER	1	AN737TW107	CLAMP
1	SL19340	CAMSHAFT	4	STD-178	SPRING LOCK	1	LW-15858-62-294	CLAMP
12	72877 O/S	LIFTER O/S	1	06B23072	GASKET	2	LW-39H0.75	BOLT
4	SL73810	BUSHING	1	55K21022	SPACER	2	LW3810.88	BOLT
2	73648	ROLLER	1	05S21021	SPRING	1	LW-10292	GEAR ASSY
2	SL76788	ROLLER	1	LW-38SSH1 63	BOLT	1	LW-10318	GEAR ASSY
8	SL14820	RING	8	AN960C616	WASHER	1	TIO-540-S1AD MAC/ZYGLO O/S	MAG/ZYGLO O/S
8	SL71907A	WASHER	5	STD-2193	SHIM	6	05K21108	CYLINDER KIT
1	AN8-14A	BOLT	2	LW-12093-5	COUPLING	1	BL-682560-13	MAGNETO
1	SL13S19649	GEAR	1	77723	GASKET	1	A51-10BS	HARNESS
1	SL-STD-1211	EXPANSION PLUG	1	77722	GASKET	12	RHB32E	SPARK PLUG
1	LW-10344	BODY ASSY	6	STD-1896	SCREW	1	M24222R	STARTER
1	05K23463	IMPELLER KIT	2	STD-860	SCREW	2	CH48103-1	OIL FILTER
1	SL76155	TACH SHAFT ASSY	4	STD1501	SCREW	1	TIO-540-S1AD CAD PLATE O/S	CAD PLATE O/S
2	MS29512-10	SEAL	1	LW-14467	HOSE	1	ALY6521 O/S	ALTERNATOR
1	STD-1737	RING	1	75330	HOSE	1	SL72566	GEAR
1	STD-95	KEY	1	AN737TW98	CLAMP	1	AES3060301E01 13	HOSE ASSEMBLY

continued next page

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QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
1	AES3660061E0 171	HOSE ASSEMBLY	1	72703	TUBE ASSEMBLY	1	AN6C22A	BOLT
1	AES3660000G 0222	HOSE ASSEMBLY	4	73027	TUBE ASSEMBLY	1	406610-9026 O/S	TURBO CHARGER
1	AES3660000G 0342	HOSE ASSEMBLY	2	SL13641	MAGNETO CUSHION	1	LW14445-10 O/S	PRESSURE VALVE
1	MS-16625-1100	RING	1	56G23399	BAFFLE OIL SUMP	1	20010A O/S	OIL COOLER
1	LW-10320	SLEEVE	1	STD-91	PLUG	1	18201-S O/S	INTERCOOLER
1	SL53E19600	VERNATHERM	1	CCB37000	DRAIN VALVE	2	73344 O/S	CNTRWTS O/S
12	LW-12596	BOLT	6	LW-16266-10-13	CLAMP	1	LW16953 O/S	BRACKET
12	LW-12186	NUT	4	LW-16266-10-38	CLAMP	1	LW16952 O/S	BRACKET
6	72255	TUBE ASSEMBLY	2	LW-31S3 85	BOLT	1	LW-15437	CABLE ASSEMBLY
6	72257	TUBE ASSEMBLY	8	STD-1420	NUT	2	LW-14525	CLAMP
24	15H21201	SPRING-SHROUD	6	MS24665-153	COTTER PIN	1	LW-15103	EXHAUST PIPE
6	SL74389	BUSHING	1	AN6C32A	BOLT	1	LW-13102	EXHAUST PIPE
6	LW-12588	BUSHING	2	LW-31S4.16	BOLT	1	LW15812 ECH	LH STACK ASSEMBLY
6	STD-2180	HOSE	1	LW-25SS0.88	BOLT	1	LW15807 ECH	RH STACK ASSEMBLY
12	QS100M6H	CLAMP	1	STD-2194	NUT	1	78189	FLANGE EXH MAN
6	SL71450-S	GASKET	2	AN6C11A	BOLT	1	K158-06	RH ELBOW
1	72702	TUBE ASSEMBLY	4	MS20500-624	NUT	1	LW16858 ECH	TRANSITION
1	K158-501	BY BASS ELBOW	12	SL72626A	SHAFT	12	LW-15592-5-04	CLAMP
1	2524791-7 O/S	FUEL INJECTOR	1	452-908	TURBO BLANKET	1	73152	BRACKET
1	RG9080J6A O/S	FUEL PUMP O/S	1	452-982	TURBO BLANKET	1	77722	GASKET
7	SL13923A	BUSHING	1	452-907	TURBO BLANKET	1	77723	GASKET
1	1028-B	BALL	1	LW15634 O/S	CRANKCASE O/S	2	LW-15853-62- 294	CLAMP
1	SL61084	SPRING	16	STD-596	NUT			
1	71596	WASHER	12	SL75233	O-RING			
1	70474	WASHER	1	15F19957-48	ROD ASSEMBLY			

-END-

YEAR 2007 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-15-07	Tach: 0162.2			SMCH- O.D.Hes Installed engine on N8305W, SN 32-8124002 with new load mounts, with new fuel, oil, Air hoses, oil cooler was over-hauled, inter-cooler was over-hauled, Turbo-charger was over-hauled, installed with new mounting hardware bolts-nuts, new heat shields PN 4-652568-2 1- heat shield PN 4-652568-9, 1- heat shield PN 4-652568-5, complete exhaust system with new exhaust gaskets, 1- LW16858 transition wastegate, 2-H Stack assy PN LW15812, R-H Stackassy PN LW15807, 1- exhaust-cross PN LW16102, 1- Exhaust cross PN 16103, with 2 LW-14525 clamps, 1-cable assy PN LW15437 2- coupling-V Band PN LW-19093-5, and 2-00624-17184-200W Gaskets, 1- Breather Elbow PN 458-952, propeller was was flushed and rescaled, prop Governor was overhauled by WARNER Propeller-Governor and propeller WO#5158 and WO#5160, installed propeller torqued and safetied, installed with new Alternator Belt PN 73945-003, Vacuum pump was no over-hauled at this time, 1-new LEC. PN LW-16019 wastegate control cable, installed new Kwiklok Weld Iner PN 98705-00 tail pipe, installed new BA-900.5 Air filter Serviced engine with 12qts AIS 100 non-Det. oil. (Continued next page)

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Continued 3-15-07				rigged throttle, waste gate, mixture and propeller control cables, installed engine using PA-32-30T Service Manual and parts manual, sandblasted, primed, painted engine mounts, test ran engine as per Aircraft Engine Specialist's instructions, adjusted mixture and idle, and forced no leaks, operation found normal. Completed 100 Hrs inspection as per PA-32-30T Serv. Manual. Cleared AD's thru 07-05 or 3-5-07 C/w AD#76-07-12 Baffle ign. switch by operation check-normal due at Tach: 0262.7 or 100 Hrs C/w AD#95-26-13 oil cooler hose, due at Tach: 0262.7 or 100 Hrs - Annual. C/w AD#91-21-01 cross over exhaust pipe as per AD and Ltr. SB#499C, due at Tach: 0262.7 or 100 Hrs - Annual. C/w AD#02-26-01 external fuel injector lines by inspection and as per SB#342 E due again at Tach: 0262.7 or 100 Hrs - Annual. AD#05-12-06-50 per ADs 96-12-07, C/w as per AD and TCM MSB#645, new style impulse installed - SNAP-Ring, next inspection due at Tach: 0262.7 due each 500 Hrs. Completed AD list in rear of this log book and copy with Aircraft record folder. Continued next page over

YEAR 2007 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Continued from previous page 3-15-07 tach: 0162.7. Replaced seat hoses from Engine baffling to muffler shroud, from muffler shroud to heat valve seat 12. Engine at this time is Airworthy for return to service.
				note: Engine Over-haul tag with Aircraft record folder.
				DATE: 3-15-07 TACH 0162.7 HRS I CERTIFY THAT THIS AIRCRAFT - <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A: <u>Annual</u> INSPECTION AND DETERMINED TO BE IN <u>AIRWORTHY</u> - UNWORTHY CONDITION TOTAL TIME AIRCRAFT <u>2436.7</u> HRS * TOTAL TIME ENGINE <u>2273.5</u> HRS TIME LAST 12 MONTHS <u>162.7</u> HRS * SMOH ENGINE <u>1.5</u> HRS <u>John W. Zapata</u> <u>AP 52780B 999 J.A.</u>
				3-15-07 Tach 10162.7 Engine, Aircraft test flown and operation satisfactory - oil Temp. Cyl. Temp. Fuel flow oil press. - all normal.

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4-19-07	Tach: 0181.6			changed oil and filter with new - cut old filter open and found normal for break-in time, serviced engine with 11 qts AIS new-Det., dressed painted propeller, washed down engine, test run and found operation normal and no leaks at this time, returned engine to service. Time on oil 18.9 Hrs.
				<i>[Signature]</i> A7527802594

June 2, 2007 N8305W Tach Reads 206.6

Changed Oil & Filter w/12 Qts. Phillips SAE 20W-50 Mineral Oil and CH48103-1 Filter. Ran Engine and detected no Leaks. Washed down and de-greased engine and Cowling. Cut open filter and visually inspected for metal. No metal detected.

R & R Landing light w/new lamp (GE 4509). Ops check good.

[Signature]

Donald C. Sitta A&P 1777663

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>N8305W June 4, 2007 Tach reads 207.1</p> <p>R & R Dre Air Pump with Overhauled unit, Part # 215CC</p> <p>Serial # 49825. Installed new CH48103-1 Oil Filter.</p> <p>Operational Check and Leak Check Good.</p> <p><i>Donald C. Sitta</i></p> <p>Donald C. Sitta A & P 1777663</p>

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BISTI AVIATION
P.O. BOX 993
FARMINGTON, NM
87499

505.324.0055

A/C# N8305W Tach: 234.5

14 Aug 07

WORK PERFORMED

CHANGED OIL WITH AEROSHELL 15 W 50, 11 QTS., AND OIL FILTER WITH CH48103-1.
WASHED ENGINE AND PERFORMED ENGINE RUN-UP LEAK TEST- NO LEAKS.
REATTACHED PILOT SIDE DOOR SEAL. REMOVED AND REINSTALLED 2 NEW CARGO
DOOR BUMPERS PN #37939-003.

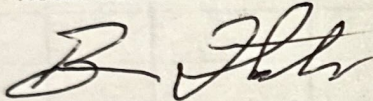
David Ben-Avraham




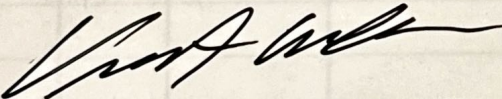
DAVID BEN-AVRAHAM
AP457024296

YEAR 2008 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
April 16, 2008	Tach: 0267.0			Completed 100HR inspection as per PA-32-30TT service manual and as per FAR 43, App. D. scope and manual check list. Checked EIT after 91-207, PARA D, new battery due June 2010, checked tested EIT. Comp. Ckid #1 $\frac{78}{80}$ #2 $\frac{78}{80}$ #3 $\frac{78}{80}$ #4 $\frac{78}{80}$ #5 $\frac{78}{80}$ #6 $\frac{78}{80}$, cleaned, gapped sparkplugs, checked magneto timing, changed oil and filter, cut old filter open - nothing noted, serviced engine with 12qts AIS 100W, also checked, cleaned oil sump screen. Checked, cleaned servo inlet fuel screen, checked fuel, Air, oil hoses for condition leaks, repaired air blast tube for magneto, checked engine controls for attachment and operation, checked exhaust system for attachment, leaks, distortion, condition, pressure checked exhaust system and cabin heat tail pipe. Checked AD's thru 08-07 or 3-31-08, C/W AD#76-07-12 Bendix ign. switch by operation check - normal. C/W AD#91-21-01 R1 CROSSOVER exhaust pipe by inspection, slip joint mg ag-ement, C/W AD#02-26-01 External fuel injection lines by inspection checked attachments. Above AD's due again at tach: 0367.0 each 100Hrs or Annual inspection. AD#05-12-06 TCM Bendix magneto impulse compliance due at Tach: 0462.7 or each 500Hrs. 0200.0 C/W AD#08-06-51 Precision Air Motive LLC RSA-5, RSA-10, SERVOS C/W as per Precision Air Motive MSB#PRS-107 Rev. 1, removed plug inspected, torqued to 95 in lbs and safted wired, next inspection due at Tach: 0362.0 each 50Hrs.

Continued next page ↑

YEAR 2008 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-16-08				(Continued) AD list Dated 3-15-07 is same and current, completed recurring AD list sheet. Dressed painted, propeller blades, checked attachments, tracked blades, washed down engine test run, operation found normal and no leaks, engine at this time is Airworthy. New Air Filter Element installed BA-9005
				April 16, 2008, Tach: 0267.0 I certify that this engine has been inspected in accordance with a Annual inspection and determined to be Airworthy.
				TOTAL Aircraft Time - 2540.5 Hrs
				TOTAL Engine Time - 2377.8 Hrs
				Engine SMOH - 104.3 Hrs
				propeller SMOH - 639.1 Hrs
				Signature: [Signature] AIP 57802599JA Tach 2665

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>11/25/2008 N8305W Tach: 298.0</p> <p>Service Engine with 12 quarts of Aeroshell W100 oil. Removed oil filter checked for contamination-None Noted. Installed new AA48-103 filter.</p> <p>Returned to Service.</p> <p></p> <p>Bruce Futch A&P 264111567 IA</p>

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<div style="text-align: center;">  Welch Aviation Inc.  </div> <div style="text-align: center;"> 439 Herndon Ave. Orlando, FL 32803 PH# 407-894-6006 FAX#407-894-6009 </div> <div style="text-align: right;">  2444.6 2607.30 </div> <p> 06-06-2009 N8305W TACH: 333.8 ENG TSMOH: 171.6 ENG TT: </p> <p> Drained oil and removed filter. Serviced Engine with 8 Quarts of Aeroshell 100 W. Replaced Oil Filter with New AA48103. Oil Filter checked for contamination-none noted. Cleaned, Inspected and Gapped sparkplugs. Compression Checks #1-78/80 #2-78/80 #3-78/80 #4-79/80 #5-78/80 #6-79/80 . Installed New Intake Filter P/N:BA-4005.Installed New Servo Gasket P/N: 2577258-F as per A.D. 2009-02-03. Installed New C.H.T Probe P/N: 553-673 Operational checks satisfactory. A.D.s checked for compliance, see A.D. Compliance List for this date 06-04-2009 . I certify this Engine has been Inspected I.A.W. FAR 43 and Manufacturer Recommendations for an Annual Inspection and has been Determined to be in an Airworthy Condition at this Date and Time. </p> <div style="text-align: center;">  </div> <p> VERNON A. WELCH A&P 265374437 IA. </p>

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WELCH AVIATION, INC.



439HERNDON AVE. ORLANDO FL. 32808

PH#407-894-6006/FAX 407-894-6009

07-02-201 N8305W TACH: 405.3 ENGTT: 2688.1 ENG S/N: L7449-61A

Drained oil and removed filter. Serviced Engine with 12 Quarts of Aeroshell W100. Replaced Oil Filter with New AA48103. Oil Filter checked for contamination-none noted. Cleaned, Inspected and Gapped sparkplugs. Compression Checks #1-76/80 #2-74/80 #3-78/80 #4-79/80 #5-78/80 #6-78/80. Operational checks satisfactory. A.D.s checked for compliance, see A.D. Compliance List for this date: 06-29-2010.

I certify this Engine has been Inspected I.A.W. FAR 43 and Manufacturer Recommendations for an Annual Inspection and has been Determined to be in an Airworthy Condition on this Date and Time.

Vernon A Welch A&P/I.A. 265374437

YEAR DATE	RE TA TI
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RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			<p>N8305W 7-13-2011 ENGINE LOG BOOK ENTRY TACH 529.9 CHANGE OIL SERVICE WITH AEROSHELL W100 CHECK FOR LEAK NO LEAK FOUND</p> <p>A&P 267990065</p> <p><i>[Signature]</i></p>

YEAR _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Engine Logbook Entry

N8305W Model: lycomigng TIO-540-S1AD S/N: L7449-61A

Date: October, 1, 2011 Tach: 542.0 T.S.O: 379.8 Total Time: 2652.6

Performed compression check with the following results: Cyl #1- 76/80, #2- 76/80, #3- 78/80, #4- 76/80, #5- 74/80, and #6- 70/80. Changed oil, serviced engine with 8 qts of Aero Shell W100 oil, and replaced filter P/N-CH48108-1; checked oil screen for any metal and/or contamination, no metal found. Washed down engine and cowling, ran engine and checked for leaks. No leaks found. C/W A.D 02-26-01 by inspection, next due in 100 hrs. All pertinent A.D.'s complied with through 2011-18

. I certify that this engine has been inspected in accordance with F.A.R. part 43 appendix (d) (scope and detail of items) 100Hrs. Inspection and was determined to be in airworthy condition.

A&P 267990065

[Signature]

C/W 11/13/03	N/A 64 P/N	A&P 267990065
		<i>[Signature]</i>

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
C/W 11/25/10		check plug R/C/W NO CHAFFING ON PLUG. A&P, 267990065 [Signature]		

Engine Logbook Entry

N8305W Model: lycoming TIO-540-S1AD S/N: L7449-61A

Date: December 17-2012

Tach: 618.8

T.S.O: 456.6

Total Time: 2729.4

Performed compression check with the following results: Cyl #1- 76/80, #2- 76/80, #3- 78/80, #4- 77/80, #5- 74/80, and #6- 76/80. Changed oil, serviced engine with 8 qts of Aero Shell W100 oil, and replaced filter P/N-CH48108-1; checked oil screen for any metal and/or contamination, no metal found. Washed down engine and cowlings, ran engine and checked for leaks. No leaks found. C/W A.D 02-26-01 by inspection, next due in 100 hrs. All pertinent A.D.'s complied with through 2012-22

. I certify that this engine has been inspected in accordance with F.A.R. part 43 appendix (d) (scope and detail of items) 100Hrs. Inspection and was determined to be in airworthy condition.

A&P 267990065

[Signature]

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Aircraft Model: PA - 32 - 301T
 Aircraft Serial: 32 - 8124002
 Engine /Model: TSIO - 540 - S1AD

Registrations: N8305W
 Engine Serial: L7449 - 61A
 Tach: 0666,8

DATE: 10-19-2013
 MANUF./E: Lycoming

EN

ENGINE LOG

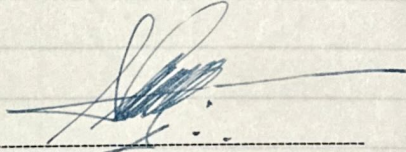
DESCRIPTION:

- 1.- Performed the Change Oil and Oil Filter and Service with 12 Qts. Aero shell Oil W100. Installed oil Filter Champion AA48103
Checked oil screen for metal and contaminations, NO metal found. No leak.
- 2.- Check the Intake air Filter.
- 3.- Removed the 12 Spark Plugs, Clean, Test, Rotations and re- Installed.

I, CERTIFY this Engine has been Was according with 50 Hrs inspection found in Airworthy Condition. All Maintenance done on this Aircraft was Performed IAW, PIPER Maintenance Manual and the current Regulations of the Federal Aviations Regulations and is Approved for Return to Service whit respect to the work

PERFORMED BY:

Alirio Aircraft Service
 14970 Nw 42nd. Av. Suit 115 Opa-Locka
 Miami Fl. U.S.A. Phone Office: 3055379202
 Email: avionicsservices1@gmail.com


 Alirio Rodriguez :: A&P # 3533504

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Aircraft Model: PA-32-301T
Aircraft Serial: 32-8124002
Engine /Model: TSIO-540-S1AD
Today's Flt: 91.5

Registrations: N8305W
Engine Serial: L7449-61A
TTSN: 2983,8

DATE: 02-19-2014
MFG: Lycoming
TSMOH: 0548,10

EN

ENGINE LOG

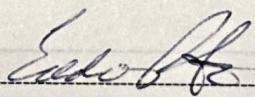
DESCRIPTION:

- 1.- Performed compression check with the following results.
Cyl #1: 77/80. Cyl #2: 78/80. Cly. # 3: 78. Cyl. #4: 77/80. Cyl. #5: 76/80. Cyl. #6: 76/80.
- 2.- Drained oil cooler and sump, changed oil and oil filter. Serviced with 12 Qts. Aero shell Oil W100. Installed new oil Filter: Champion AA48103 - 1. Checked oil screen for metal and contaminations. No foreign objects found. No leaks were found.
- 3.- Removed, cleaned, tested, rotated, and re-Installed spark plugs
- 4.- Checked for AD compliance, see List "AD" (Attached)
- 5.- Installed new intake air filter P/N: BA-4005. Next Due: 100 Hrs/ Annual
- 6.- Performed operational check on engine and found no leaks and further discrepancies.

I certify that this engine has been inspected in accordance with FAR, Part 43 Appendix(d) 100 Hr /Annual Inspection and was found to be in airworthy condition at this date and time. All maintenance performed on this aircraft was accomplished IAW PIPER Maintenance Manual, current regulations, and is approved for return to service with respect to the work

PERFORMED BY:

Alirio Aircraft Service
14970 Nw 42nd. Av. Suit 115 Opa-Locka
Miami Fl. U.S.A. Phone Office: 3055379202
Email: avionicservices1@gmail.com



EDDIE PRIETO IA 73722006 AP

NAME RATE PLACE POSTAGE STAMP HERE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date 12-27-14
N 8305 W

TACH 731.8

Removed VACUUM pump AND
INSTALLED NEW RAPCO DISCC
PUMP S/N A 56397.
Run up leak check AND check
operation

Rawlins
AP 2641070

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 /

YEAR
DATE
Airc MFC Tach D 1. D C 2. P 3. R 4. M 5. L 6. 7.

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aircraft Model: PA - 28R - 180
 MFG: Lycoming
 Tach: 0739.9

Registrations: N 8305 W
 Model: TSIO - 540 - 51AD
 TTSMOH: 0577.6

DATE: 07 - 01 - 2015
 Serial: L7449 - 61A

EN

ENGINE LOG

DESCRIPTION:

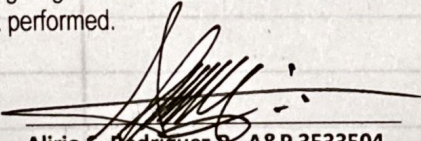
1. Drained Oil cooler, Oil filter and sump, Serviced with 8 Qt. Oil aero shell 100 and installed oil filter P/N: CH 48110 - 2
Checked oil screen for metal and contaminations, no foreign objects found, no leaks were found.
2. Performed compression check: Cyl. # 1: 78/80. Cyl # 2: 79 /80. Cyl # 3: 79/80. Cyl # 4: 75/80. Cyl # 5: 79/80. Cyl # 6: 78/80
3. Replaced all 12 Spark Plugs RHB - 32 E Champion.
4. Installed new Bracket air filter P/N: BA - 10
5. Installed new intake air filter P/N: BA-4005. Due @ next 100 Hrs/Annual Inspection.
6. Complied with all applicable "AD's". Please AD report in Right Engine log Binder.
7. Performed operational check on engine and found no leaks and no further discrepancies.

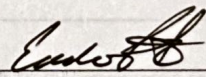
I, certify that **THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR / ANNUAL INSPECTION.**

Using: FAR Part 43 APPENDIX "D" and was found to be in Airworthy Condition at this date & time. All maintenance performed on This aircraft was performed IAW: Lycoming Engine Maintenance Manual and all current regulations of the FAA and is Approved for Return to service with respect to the work performed.

PERFORMED BY:

Alirio Aircraft Service
info@alirio-aircrafts.com
 14970 Nw. 42 nd Av. Opalocka Fl.
 Suit 45-2 cp.: 33054


 Alirio S. Rodriguez R. A&P 3533504


 Eddie Prieto AP 73722006 IA

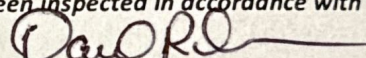
Date: 01/30/2018 **Hours:** Tach Time 792.0 **TSMOH** 629.7 **Tail:** N8305W
Make: Lycoming **Model:** TSIO-540-51AD **S/N:** L7449-61A
Name: Allan Checky **Cert:** A&P395828185IA
Co: A. C. Aerotechnic **Signed:**

Leakdown Test 80 base #1-71, #2-74, #3-72, #4-74, #6-73. Cylinder #5 removed and reinstalled after being repaired by Poplar Grove Airmotive work order #9011. Cylinder installed in accordance with applicable manual using new gaskets, hardware, and seals as required. Valve clearance checked. Fuel injectors cleaned and reinstalled using new o-rings. Fuel screens cleaned. Exhaust inspected. Controls inspected for security and operation. Installed new scat tube from muffler to defrost. Magneto #D6LN-3000 serial #G08GA05DR removed and reinstalled after being repaired by RLB Accessory work order #17345. AD 2005-12-06 c/w Due Tach 1292.0. Spark plugs serviced. Installed new BA10 Air filter. Oil and filter changed, added 12 qts Phillips 20w/50 and CH48103. Removed and reinstalled fuel pump #RG9080J6A/M serial #D2984 after being overhauled by Consolidated Fuel Systems work order #0000Q-0000. Installed new Barry mount #505-3NS on intercooler. Installed new alternator belt. Fuel servo removed and reinstalled after being overhauled by D&G Supply work order #34933. Engine Test ran, all temps, pressures, and systems ops test normal. AD 91-21-01R1 c/w by inspection, due Tach 892. AD 15-19-07 c/w by inspection, due Tach 902. I Certify that this Engine has been Inspected in Accordance with an Annual Inspection and has been found in Airworthy Condition.

Allan Checky Jr A&P 395828185 IA

GIBSON AVIATION SERVICES LLC
1400 Indianhead Dr. E Menomonie, WI 54751
715-231-1836

1-22-2020 Tach Time 795.4 hrs, ETT 3068.9 hrs TSMO 633.2 hrs. Performed an Annual inspection on this Day. Performed compression check #1 77/80 #2 72/80 #3 77/80 #4 74/80 #5 76/80 #6 78/80. Changed oil and CH48103-1 oil filter. Verified no abnormal contaminants in old element. Added 11 qts of Aeroshell 15w50 oil. Verified proper mag to engine timing. Cleaned gapped and tested spark plugs. Cleaned fuel servo inlet fuel screen. Soaked turbo charger with B12 and pre-lubed with engine oil. Tightened rocker drain hose clamps. Loosened engine exhaust wye duct clamps Replace Turbo charger Tail pipe clamp with new P/N 556-108 and replace waste gate flange gasket with new P/N 462-090, repositioned and torque exhaust flange clamps to properly align flanges. Tightened turbo mount bolts. Pressure leak checked exhaust system. Washed down engine with solvent. Performed engine run up. Leak and ops check good. **C/W AD15-19-07** by inspection of fuel injector lines and clamps. Leak check good. **Next inspection due at 905.4 hrs Tach.** See AD Compliance Sheets. ***I Certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in an Airworthy condition.***


Darrel R Gibson IA2657370

WO: WO_44

Engine - page 1 of 1



Gibson Aviation Services - 1400 Indianhead Dr. East - Menomonie, WI 54751 - 7152311836

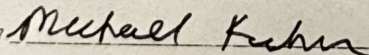
N8305W
Tach: 801.6

May 14, 2020

Removed, Cleaned, and reinstalled #4 fuel injector. ops and leak check satisfactory.

With respect to the work performed, this engine is approved for return to service.

Michael Kulin A&P 3761407



YEAR

DATE

wo: WO_394

Engine - page 1 of 1



Gibson Aviation Services - 1400 Indianhead Dr. East - Menomonie, WI 54751 - 7152311836

N8305W

Lycoming/TIO-540-S1AD, S/N: L7449-61A

August 26, 2021

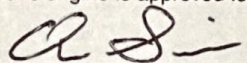
TACH: 804.4

ETT: 3077.9

ETSMO: 642.2

1. Performed an Annual Engine Inspection IAW AMM. Researched AD's to date. Drained oil, removed filter and inspected. No contaminants found. Installed new CH48103-1 filter, torqued and safetied. Serviced engine with 11qts Aeroshell 15w50. Compressions: #1-70/80, #2-72/80, #3-74/80, #4-70/80, #5-70/80, #6-74/80. Lubed and checked control travels. Removed, cleaned, gapped, tested and re-installed spark plugs. Verified Mag. to engine timing. Visually inspected and pressurized exhaust/muffler assembly. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW an Annual Inspection and was determined to be Airworthy with respect to work performed at this date and time. The following discrepancies were addressed:
2. C/W AD15-19-07 by visual inspection of fuel injector lines and clamps. No defects noted. Next inspection due at Tach:914.4 or anytime maintenance is performed to fuel injection system, whichever occurs first.
3. Stop drilled crack in #5 upper cylinder baffle.

With respect to the work performed, this engine is approved for return to service.

Aaron Simmons A&P/IA 3592994 

wo: WO_503

Engine - page 1 of 1



Gibson Aviation Services - 1400 Indianhead Dr. East - Menomonie, WI 54751 - 7152311836

N8305W

Lycoming/TIO-540-S1AD, S/N: L7449-61A

January 06, 2022

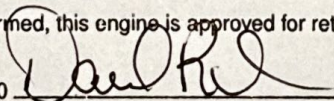
TACH: 805.6

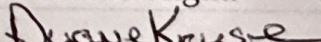
ETT: 3079.1

ETSMO: 643.4

1. Replaced #6 aft pushrod tube seal with LW-18661 leak check satisfactory

With respect to the work performed, this engine is approved for return to service.

Darrel Gibson A&P/IA 2657370 

N8305W Piper aircraft has been inspected and deemed safe for Ferry Flight back to Princeton MN. For Annual Inspection. Aircraft was In Colorado for repairs and maintenance. local mechanics and pilot checked Aircraft before Flight. 3270300IA ` Duane Kruse 12-14-2022 

YEAR

2023

DATE

2-15-23

Annual

Insp.

100 Hr.

OW

ADD

PHOI

Annual Inspection ENGINE -Prop 2-15-2023 Tach time 826.00 ETSMOH 663.8
remove cowing, Leak check OK. Routine maintenance-check hardware.
Compression check #1-72 #2-74 #3-72 #4-70 #5-72 #6-74 over 80LBS
Clean and check Gaps on spark plugs. Timing OK.
remove Complete Exhaust system and Crack check OK clean and apply Anti seize
to all slip joints. New Gaskets installed. Torque SS clamps and safety wire.
Install new heat shield to aft of engine Turbo Hot section and safety wire shield.
Also new Heat shield on top cowl over Turbo area. New Air Cleaner element
Alternator wires covered with fire sleeve and secured. Also cylinder monitor wires
above CYL. Replaced injector 3/16th hoses at each cylinder also 1 inch breather hose top
left of engine. Replaced 3/8th oil return lines at engine attachment check clamps.
Change Oil and cut Filter no metal found in 48110.1 -20W50 Phillips oil. leak check OK.
Clean the Engine mount and paint light rust areas.
PROP New Hartzell HC-E3Y12-1 serial Number FM275813 installed before Ferry Flight.
prop control rod safety cotter pin installed. Check travel OK.
I certify this Engine has been inspected in accordance with a 100 Hour inspection
and return to service Duane Kruse 3270300 Duane Kruse