

N9554L

*The Standard*  
 ENGINE LOG

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL 0-320-E26  
SERIAL L-39325-27A TYPE CERTIFICATE \_\_\_\_\_

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT \_\_\_\_\_

MINIMUM OCTANE FUEL 80/87 OIL GRADE SUMMER SAE 40 or 50 WINTER SAE 30 or 40

MAGNETO TIME 25° B.T.C. POINT SETTING N/A FIRING ORDER 1-3-2-4

SPARK PLUG GAP Nominal .016

MFG. RECOMMENDED OVERHAUL AT 2,000 HOURS.

**AC & E AVIATION**

**14020 S.E. Mill Plain Blvd.  
Vancouver, WA 98664**

*The Standard*



**ENGINE LOG**

1.

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1979				10-15-79 0.0 hrs. Engine overhauled in accordance with Lycoming overhaul manual and pertinent Service Instructions and Service bulletins. ALL Engine limits brought up to manufacturers New specifications. Major <u>New</u> parts installed include.- std. rod and Main bearings, Rod bolts and nuts, cam followers. Lifter units, fresh chrome cylinder assemblies, Pistons, rings, intake valves, Exhaust Valves, Valve springs, Re-ground Cam shaft, SPARK PLUGS, ignition harness, internal stressed bolts, oil pump drive shaft, oil pump drive gear, fuel pump. Starter, S/N 86000194, overhauled using New bearings, brushes, and bendix drive. Alternator S/N-9010441 is Airborne Exchanged unit. Carburetor, S/N BL-2012701, given complete overhaul. Vacuum pump cleaned and tested. Mags cleaned and tested. Left Mag. T.T. 986, Right - Contd -

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19				<p>Mag Tit. 747, ALL Engine hoses Made up New. see back of Log for Service Instruction and bulletin compliance, and Listing of A.D.'s. I Certify this Engine has been inspected and found Airworthy for installation and test run in Aircraft. for more details refer to our W/O 6671. Daugh O. Oates A&amp;P 16B4839.</p>

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19-79				OCT 19 2276.7 1.3 1-3 OVERHAULED ENGINE INSTALLED IN A/C THIS DATE. TEST FLOWN & RETURNED TO SERVICE. R. Monroe A540601709
DEC 6 1299.7				CHANGED OIL, CLEARED SCREEN AEROSHELL 100 8 QTS David L. Monroe A540601709
feb 23 80 2346.8				I certify this ENG HAS BEEN <u>INSPECTED</u> <u>IN A 100 HR INSPECTION AND FOUND</u> TO BE IN AN AIRWORTHY CONDITION Daniel S. Monroe A5P 239 53 6363

DATE 1980	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENCODED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
MH12	2415.06			CHANGED oil, 8Qts AEROSHELL 50, cleaned, inspected SCREEN SCREEN showed NO metal particles, cleaned packed wheel BEARINGS, LUBRICATED ALL CONTROLS, ROTATED PALLEYS (David Martin COMPRESSION CHECK GOOD 4/11 CYL. AP 231526363 COMP. CH. - #1-74 #2-74 #3-73 #4-75
				I Certify that this ENG. Has been inspected accordance with AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE THIS DATE 8/1/1985 IA 199985
1 AUG 80	2523.3			I CERTIFY THIS ENGINE HAS BEEN INSPECTED 1/1/81 A 100 HR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION (David L. Martin AEP 239526363



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19				

12-7-87 14c.

Replaced sparkplugs. Charged all 40 w. ~~Accostar~~  
Replaced heat muff and shield.

I CERTIFY THIS ~~Engn~~ HAS  
BEEN INSPECTED IN ACCORDANCE WITH  
A ~~100~~ <sup>hr</sup> INSPECTION AND FOUND  
TO BE AIRWORTHY.

Richard F. Miller  
A&P 175557

TACH TIME \_\_\_\_\_  
DATE 12-7-87

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.)
				#1 77 #2 76 #3 76 #4 78 80 80 80 80
				I CERTIFY THIS <del>cycle</del> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100H</u> INSPECTION AND FOUND TO BE AIRWORTHY
				<i>Robert F. Moffatt</i> A&P 1255578
				TACH TIME <u>26 60</u>
				DATE: <u>2-1-89</u>

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.)
19 Mar 1990	Tach 2673.9			<p>Completed Annual inspection, on this Engine. Changed Oil and cleaned scavenge compression check  <math>\#1 \frac{72}{80}</math> <math>\#2 \frac{72}{80}</math> <math>\#3 \frac{74}{80}</math> <math>\#4 \frac{79}{80}</math></p> <p>made ground runup and system check    This Engine approved for return back to    Service AD P46578 9/17 IA</p> <p>Pilham E. Anderson</p>

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.)
14 Apr 1991	Tach	2685.31		<p>Completed Annual inspection on this Engine and prop as outlined in the Service manual for this aircraft. Compression check #1 <del>78</del>/<sup>78</sup> 80 #2 <del>78</del>/<sup>78</sup> 80 #3 <del>79</del>/<sup>79</sup> 80 #4 <del>78</del>/<sup>78</sup> 80 changed oil and cleaned screen Serviced with Avroshill AD 50W machs ground run up and system check. This engine and prop approved for return back to Service</p> <p>ATP 465-78 9117 IA</p> <p>Richard E. Anderson</p>

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24 June 1992	Tach 2711.2	Completed Annual		<p>Inspection on this Engine and Prop as outlined in Service manual Compression check + <math>\frac{73}{80}</math> + <math>\frac{72}{80}</math> + <math>\frac{78}{80}</math>  <del>#4 70/80</del> changed oil and cleaned screen  <del>made ground runup and system check</del>  <del>This Engine and Prop approved for</del>  <del>return to Service AD P465789117IA</del>  <del>Richard E Anderson</del>  <del>UNIT 8080</del>  <del>APPROVED FOR</del>  <del>REPAIRS</del> </p>

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19.27				
8-8-97	2727.0			<p>Cleaned/gapped spark plugs. Mags &amp; triz checked OK.</p> <p>REMOVED cowl WASHED ENGINE AND cowl PERFORMED COMPRESSION CHECK</p> <p>1 <math>\frac{80}{68}</math> 2 <math>\frac{80}{68}</math> 3 <math>\frac{80}{74}</math> 4 <math>\frac{80}{78}</math></p> <p>REPLACED cowl RAN ENGINE</p>
				<p>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. TACH</p>
				<p>DATE <u>8-8-97</u> TIME <u>2727.0</u></p> <p><u>Donald G. Morgan</u> <u>1308567LA</u></p> <p><u>DONALD G. MORGAN</u> <u>A/P 1308567LA</u></p>

Carburetor (MA4-5PA) name plate stamped "V" to indicate  
one piece venture is installed & position satisfactory. Ray Clark M#692103.

DATE 19 97	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.)
8-8-97	2,727.0 - 2,727.0			Completed engine inspection repairs 8/4 to 8/28/97, installed new one-piece Venturi in M44-SPA 10-5009 S/N BL-20-12701, Venturi # 46710, also new Metal float Kit P/N 30-766, w/retrofet clips # 29-194, and porting gasket # A16-676. Carb assembly, checked for float operation, leakage, safety & ground oper. check OK, installed new Air Box Bracket Filter element # BA-19. Installed oil quick drain hose and clamps. Cleaned fuel & oil screens & installed 7gts Aeroshell 100 "w" oil (50wt). Replaced rusty & broken cowls, screws, rivnuts, & nutplates and all new cowl hardware. Adjusted idle mixture and idle speed to 600 RPM, Tach test & ground operation & idle satisfactory for engine return to service. Ray Clark M# 692103. (Installed spring & ground lug rear) Engine A.D. checked to date OK, cowl fastener -



DATE 19	RECORDING TACH TIME	DATA 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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-24-99	2908	TAC 631.3 SMOH		<p>Changed oil, cleaned screen, serviced with Avoshell 80W, cleaned carburetors,  <math>1\frac{7}{8}0</math> 2 <math>\frac{7}{8}0</math> 3 <math>\frac{74}{60}</math> 4 <math>\frac{78}{60}</math>, cleaned and gaged    spark plugs, replaced air filter.</p> <p>CERTIFY THAT THIS <u>aircraft</u>    HAS BEEN INSPECTED IN ACCORDANCE    TO A <u>annual</u> INSPECTION AND    WAS DETERMINED TO BE AIRWORTHY.</p> <p><i>Mark</i>    N0B27444054</p>

DATE 2000 10-1	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7/20/00	3039			Drained engine oil, cleaned screen and serviced eng. w/ w/ 7 gts Aerostoll w/ 100 Matt W. Wams AAFP288204672
1-20-01	3099.69 823 S/MOT			Cleaned and gapped spark plugs, replaced engine baffle seal, Replaced starter w/ SkyTech lightweight starter P/N 149-12LS adjusted W+B records, complied w/ AD 98-02-08 by inspection, complied with AD 96-09-10 by removing old impellers and replaced w/ Air Support impellers (kit # AS 05K19423-5) Carburized and nitrided impellers, c/w AD 81-16-05, <u>A</u>

DATE 2001	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.)
				<p>and replaced Accessory Cover gasket, oil pump gasket,      Magneto gaskets, and fuel pump gasket.</p> <p>Drained engine oil, cleaned screen and      serviced engine w/ 7qts Phillips X-L 20W50.</p> <p>Welded cracked muffler, checked compression      072/80 070/80 074/80 076/80</p> <p>Matt Williams AAF 288804672</p>

DATE 2001 19	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-20-01	3055.65	823 HOURS		
				<div style="border: 1px solid black; padding: 5px; text-align: center;">         Clay Carmean I.A. 288641903          hrs. eng.      hrs.          airworthy condition A/C          inspection and was found to be in          been inspected I.A.W.          I certify that this          hrs. eng.          airworthy condition A/C          inspection and was found to be in          been inspected I.A.W.          I certify that this          hrs.       </div>

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19				

I certify that this ENGINE has  
been inspected I.A.W. A.N.P. & A.C.  
inspection and was found to be in  
airworthy condition A/C 3099.65  
hrs. eng. 523 hrs. SMOH

Clay Carman I.A. 288641903

Clay Carman  
IA 288641903 AFID

12-20-01

Replaced all 8 engine spark plugs with  
Champion RHM40B and replaced both magneto  
ignition harnesses with Champion harness

Matt Williams AF 288804672



DATE 2002 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.)
31-02				<p>Installed Slickstart magneto booster system. PAAW Slick service letter SL2-96. Form 337 submitted to FAA</p> <p>Mark Williams ASP 288804672</p>

DATE 2002 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.)
3-1	3320.2			All A/I CURRENT & C/W AS OF THIS ANNUAL SEE A/I COMPLIANCE LIST
SMO/H	1043.5			
				<p>I certify that this <u>ENGINE</u> has been inspected I.A.W. <u>ANNUAL</u> inspection and was found to be in airworthy condition A/C 3320.2 hrs. eng. <u>1043.5</u> hrs. SMO/H</p>
				<p>Clay Carman I.A. 288641903</p>
				<p><i>Clay Carman 288641903 TA</i></p>



DATE 2003 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.)
6-1-03	3505TT 1228.7	SMOHT		<p>Drained engine oil, cleaned screen, serviced v/ 2gts Ph/1ps DC 200W-50. Replaced #3 &amp; #4 cylinders with serviceable assy's, replaced muffler with overhauled assy. replaced alternator bracket, restored &amp; safetied propeller, Cyl. Comp #1 67/100 #2 76/100 #3 100 #4 100</p> <p>I certify this engine has been inspected TAV a 100 hr inspection &amp; found to be in an airworthy condition</p> <p>Matt Williams ATP 288804672</p>



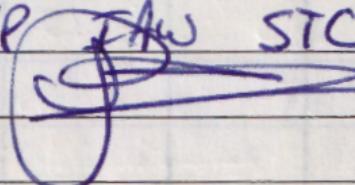


DATE 2003 +21	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-9-03	Tach. Time 3525.8	Performed ANNUAL INSPECTION ON AIRCRAFT ENGINE. Removed ALL Four engine Cylinders For Top Overhaul. Cylinders overhauled by "Phil's Cylinder Shop." See ATTACHED PAPERWORK. Cylinders Upgraded To <sup>HIGH COMPRESSION 150 H.P.</sup> <del>160 H.P.</del> STC Conversion. Removed ORIGINAL ENGINE OIL SCREEN. <sup>G.S.</sup> INSTALLED New OIL FILTER CONVERSION Adapter KIT. INSTALLED ONE NEW ENGINE MOUNT RUBBER MOUNT due To DeteriorATION. ALL ENGINE SCAT ducting replaced. Replaced OIL COOLER hoses With New hoses. Replaced FUEL LINE hoses With New hoses. No New Applicable A.D'S or REWIRING AT THIS TIME. ALL New Cylinder INTAKE hoses, GASKETS, SEALS, O-RINGS And Locking Tabs Used Upon Cylinder INSTALLATION.		Over

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19				
				RAN - UP ENGINE. Engine Checks Normal. Test Flw.
				Engine Checks Normal. Performed Compression Check. GS # 176/80, #2, #3, #4. #1 79180, #2 76180, #3 74180, #4 75180.
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION & HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION. Gary D. Blair, AEP IA# 311826667.

DATE 03 19-	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-20-03	Tach. Time	3549.44		Removed defective Carburetor. INSTALLED Overhauled Carburetor From "Phil's Cylinder Shop". Removed defective Engine driven Fuel pump. INSTALLED Overhauled engine driven Fuel pump From Phil's Cylinder Shop. Ran engine. Re-Adjusted Engine Idle R.P.M. This engine is Approved For return To Service. Gary D. Blues A&P IA# 311826667.

DATE 19	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-18-04	Tach. Time 3613.8	performed ANNUAL INSPECTION ON engine. Drained oil Added QUARTS OF OIL TO CRANKCASE. Performed Compression Check: #1 78/80, #2 75/80, #3 79/80, #4 71/80. Inspected Cylinders, Crankcase, Induction System, Exhaust System, Engine Accessories, Air And Fluid Lines And Electrical Wiring. Re-installed Magneto's which were removed. A.D.'S Checked Thru 11-04. Run-up engine. Engine Checks NORMAL. I certify that this engine has been INSPECTED in Accordance With AN ANNUAL INSPECTION & has been determined To be in AN Airworthy Condition. Gary D. Blum A&P IA# 311826667.		

DATE 2005 TP	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.)
2-9	3613.42			Inspected Engine found to be upgraded to 160 HP <del>FAW STC SE882NE</del> IA A&P 400062798 
5-2	36035.14			Propeller Overhauled by Aircraft Propeller Service. Reinstalled overhauled propeller serial E18472. Torqued + safetied as required Matt Williams A&P 288804672
7/26/05	3654.07			Drained & Replaced Oil, Aerov shell 15-50, and Filter CA 48110-1, Dan Becker, Owner

February 20, 2006

Tach/Total Time: 3686.71

SMOH: 1410.01 STOH: 160.91

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter, cut open and found no contaminants. Added 7 quarts Aeroshell 15W50 oil. Test run and found no leaks. Compression results: #1 75/80, #2 76/80, #3 62/80, #4 78/80. Repaired low compression on #3 cylinder by lapping exhaust valve, cleaning minor corrosion from valve face and seat, reinstalled and tested good (75/80). Repaired front baffling as detailed in airframe logbook. Replaced alternator, alternator bracket, alternator strut and alternator belt as detailed in airframe logbook entry. Replaced oil cooler as detailed in airframe logbook. Performed 500 hour inspection on both magnetos reinstalled with new gaskets and timed to 25 ° BTC. Removed old thermostatic bypass valve. Installed new P/N 53E19600 bypass valve. Replaced induction air filter element. A.D. 04-10-14 C1 is found with correct

DATE

19

bolt. Due again at next overhaul or prop strike. A.D. 05-26-10  
inspected and found not applicable due to no ECI cylinders installed  
on this engine. All A.D.'s checked through T-Data Revision 2006-  
03; see listing for specific details. I do hereby certify this engine has  
been inspected in accordance with an annual inspection and has  
been found to be in airworthy condition and is fit for further service.

John Sjaardema

*John Sjaardema*

A&P 2100539 IA

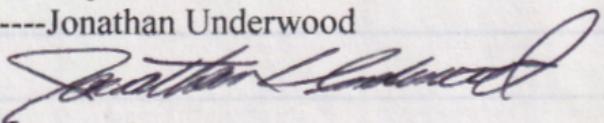
6/1/06 Drained oil, replaced filter, added 6 qts  
Aeroshell 18W50 + 1 qt. Mineral Oil  
D. Quiggin, Owner: TACH. 3720.86

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**SAFE FLIGHT AVIATION  
MIDDLETOWN, OHIO  
N9554L  
ENGINE S/N L-39325-27A**

2-22-2007 TACH-3799.2 TTAF-3799.2 SMOH-1522.5 Completed 100 hour inspection as per FAR 43 appendix "D". Compression tested engine as follows: Cyl #1 74/80, #2 73/80, #3 69/80, #4 73/80. Drained engine oil and removed filter. Serviced engine with 7 quarts of Aeroshell 15W50 oil and one Champion CH48110-1 oil filter. Cleaned, gaped, and tested all spark plugs. Installed four rocker cover gaskets p/n 75906. Installed four new oil return rubber hoses with MIL-6000 hose. Installed new #3 intake gasket p/n 71973. Researched AD'S through biweekly 2007-02 using the IApproach Pro system. Updated AD listing at this time. Cleaned engine and ground ran. No leaks noted. Ops check satisfactory. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been found to be in an airworthy condition at this time.-----

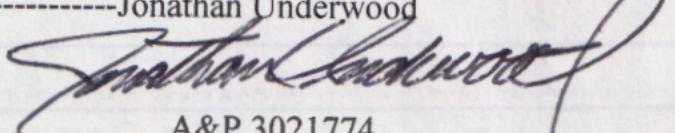
-----Jonathan Underwood

  
A&P 3021774

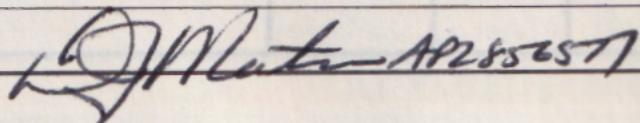
SAFE FLIGHT AVIATION  
MIDDLETOWN, OHIO  
N9554L  
ENGINE S/N L-39325-27A

7-19-2007 TACH-3847.76 TTAF-3847.76 SMOH-1571.06 Removed cylinder #3 due to low compression. Installed exchange / repaired cylinder s/n 07071. Cylinder repaired by Phil's Cylinder Service under WO# 07071 dated 7-17-2007. Cylinder was installed using new piston rings and all new gaskets. Installed 4 new RA77611 exhaust gaskets. Drained engine oil and removed filter. Serviced engine with 7 quarts of Aeroshell 15w50 oil and one Champion CH48110-1 filter. Cleaned engine and ground ran. No leaks noted. Ops check satisfactory.

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Jonathan Underwood

  
A&P 3021774

9-17-07 CHANGED OIL + FILTER (INSP FILTER FOUND OK)  
388526 SERVICED 8 QTS 15W50 AEROSHELL OIL  
GROUND RUN, LEAK CHECK OK.

  
J. Underwood A&P 3021774

DATE

19

May 1, 2008

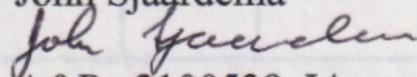
Tach/Total Time: 3906.33

SMOH: 1629.63 STOH: 380.53

OF  
IES.)

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter, cut open and no contaminants found. Added 7 quarts of 15W50 Aeroshell oil. Compression results: #1 78/80, #2 76/80, #3 77/80, #4 77/80. Cleaned and gapped spark plugs, installed with new spark plug gaskets. Removed all four valve covers, replaced cork gaskets with new silicone rubber valve cover gaskets. Removed rubber donut of airbox from bottom of carburetor, re-secured the rubber donut properly to the carburetor to prevent any contamination of air. Replaced several broken mounting brackets securing the carb heat shroud to the exhaust system as needed. Adjusted timing of both magnetos to 25° BTC. All A.D.'s checked through T-Data Revision 2008-09; see listing for specific details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and is fit for further service.

John Sjaardema



A&amp;P 2100539 IA

DATE  
19

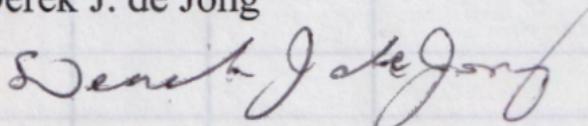
June 19, 2009

N9554L

DESCR. Tach/Total Time: 3945.5 SMOH: 1668.8  
STOH: 419.7

In addition to a normal 100 hour inspection the following was accomplished:  
Drained oil, changed filter, cut open and found no contaminants. Added 7  
quarts Aeroshell 15W50 oil. Compression results: #1 77/80, #2 76/80, #3  
77/80, #4 78/80. Cleaned and gapped spark plugs, installed with new spark plug  
gaskets. Replaced induction air filter. A.D. 08-19-05 not applicable due to no  
ECI cylinders installed. All A.D.'s checked through T-Data Revision 2009-12;  
see listing for specific details. I do hereby certify this engine has been inspected  
in accordance with an annual inspection and has been found to be in airworthy  
condition and is fit for further service.

Derek J. de Jong



A&P 366069153 IA

DATE 19____	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

*Revised*  
N9554L

Make	Lycoming 0-320-E2G	Tach	3983.2 hr
SN#	L-39325-27A	TT	1706.5 hr
Date	09-22-2010	TSMOH	457.4 hr

Description

- (1) Performed 100 hour inspection in accordance with Grumman AA-5 series service manual and inspection checklist.
- (2) Replaced #1 oil drain tube hose.
- (3) Replaced 1ea. spark plug #4 p/n REM-40E
- (4) Changed oil and filter. Cut open filter and inspect, no abnormalities noted.
- (5) Serviced w/ 8qts. Aeroshell 15 w 50 oil and 48110 filter.
- (6) Researched & C/W all AD's. See compliance records.
- (7) Operational and leak tests satisfactory. Aircraft approved for return to service.
- (8) I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions	#1-79	#2-79	#3-73	#4-78	#5-	#6-
<i>Jasson P. Czaika</i>	<i>Jasson P. Czaika</i>					

A&P 2747316 IA

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.)

*N9554L*

Make	Lycoming 0-320-E2G	Tach	4008.3 hr
SN#	L-39325-27A	TT	1731.6 hr
Date	10-14-2011	TSMOH	482.5 hr

Description

- (1) Performed 100 hour inspection in accordance with Grumman AA-5 series service manual and inspection checklist.
- (2) Changed oil and filter. Cut open filter and inspect, no abnormalities noted.
- (3) Serviced w/ 8qts. Aeroshell 15 w 50 oil and AA48110 filter.
- (4) Researched & C/W all AD's. See compliance records.
- (5) Operational and leak tests satisfactory. Aircraft approved for return to service.
- (6) I certify that this **engine** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in an airworthy condition.

Compressions      #1-77      #2-78      #3-76      #4-74      #5-      #6-

*Jasson P. Czaika*

A&P 2747316 IA



DATE 19	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				January 10, 2012      N9554L      W.O. 11-179      Tach Time: 4013.21
				Removed engine cowling. Removed exhaust system. Removed #2 cylinder due to crack in Exhaust port. Installed overhauled cylinder by Harrison Engine service (W.O. 93553 dated 12-28-2011). Reused original exhaust valve and intake valve. Refaced valves and seated to cylinder. Installed original piston with new set of rings P/N SL5401-SC. Installed cylinder with new seal and gaskets as needed. Set dry tappet clearance by installing two shorter push rods. Reinstalled exhaust system.. Drained oil and added 6 qts. 20W-50 Phillips "M" oil. Test run and no leaks detected. Reinstalled cowling after repairs accomplished: I do hereby certify the above work done in accordance with current FARs and is found fit for further service
				John Sjaardema      A&P 2100539 IA <i>John Sjaardema</i>

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				

*N9554L*

Make	Lycoming 0-320-E2G	Tach	4038.4 hr
SN#	L-39325-27A	TT	1761.7 hr
Date	12-20-2012	TSMOH	512.6 hr

Description

- (1) Changed oil and filter. Cut open filter and inspect, no abnormalities noted.
- (2) Serviced w/ 8qts. Aeroshell 15 w 50 oil and AA48110 filter.
- (3) Replaced all spark plugs 8ea Champion p/n REM-38E.
- (4) Researched & C/W all AD's. See compliance records.
- (5) Work performed in accordance with Lycoming service manual current as of this date.
- (6) I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions	#1-78	#2-78	#3-76	#4-78	#5-	#6-
<i>Jasson P. Czaika</i> A&P 2747316 IA						

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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N9554L

Make	Lycoming 0-320-E2G	Tach	4045.2 hr
SN#	L-39325-27A	<del>EE</del>	1768.5 hr
Date	07-15-2014	TSMOH	<del>19.4 hr</del> <i>JEC</i>

Description

- (1) Changed oil and filter. Cut open filter and inspect, no abnormalities noted.
- (2) Serviced w/ 8qts. Aeroshell 15 w 50 oil and CH48110-1 filter.
- (3) Researched & C/W all AD's. See compliance records.
- (4) Work performed in accordance with Lycoming service manual current as of this date.
- (5) I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions      #1-76      #2-76      #3-78      #4-78

*Jasson P. Czaika*

A&P 2747316 IA

*Jasson P. Czaika*

DATE 19__	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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*N9554L*

Make	Lycoming 0-320-E2G	Tach	4055.4 hr
SN#	L-39325-27A	TT	4055.4 hr
Date	04-04-2017	TSMOII	1780.0 hr

Description

- (1) Changed oil and filter. Cut open filter and inspect, no abnormalities noted.
- (2) Serviced w/ 8 qts. Aeroshell 15 w 50 oil and CH48110-1 filter.
- (3) Researched & C/W all AD's. See compliance records.
- (4) Work performed in accordance with Lycoming service manual current as of this date.
- (5) I certify that this Engine has been inspected in accordance with an **ANNUAL** inspection and was determined to be in an airworthy condition.

Compressions	#1-79	#2-78	#3-70	#4-77		
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*Jasson P. Czaika*

A&P 2747316 IA

*Jasson P. Czaika*

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

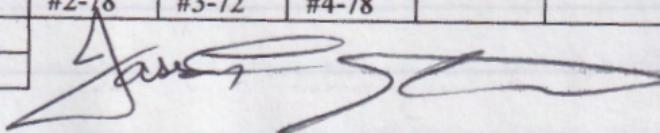
*N9554L*

Make	Lycoming 0-320-E2G	Tach	4055.4 hr
SN#	L-39325-27A	TT	4055.4 hr
Date	09-13-2018	TSMOH	1780.0 hr

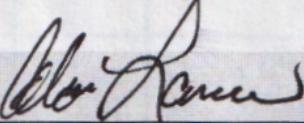
Description

- (1) Changed oil. Removed and inspected oil suction screen, no abnormalities noted.
- (2) Serviced w/ 8 qts. Aeroshell 15 w50 oil.
- (3) Researched & C/W all AD's. See compliance records.
- (4) Work performed in accordance with Lycoming service manual current as of this date.
- (5) I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions	#1-76	#2-78	#3-72	#4-78	
<i>Jasson P. Czaika</i>					
<i>A&amp;P 2747316 IA</i>					



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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19				

		N9554L	Grumman Traveler	S/N AA5-0676	W/O
DATE: 10/14/2019			Tach Time: 4064.3	AFTT: 4,064.3	19-3864
ENG: Lycoming O-320-E2G		S/N: L39325-27A	TSO: 67.0	Due: 4,276.7	
Prop: N/A		S/N: N/A	TSO: 429.2	Due: N/A	
Eng Oil Change: Lycoming O-320-E2G		S/N: L39325-27A	TSI: N/A	Due: 4,114.3	
Engine oil & filter for the engine were changed. Removed cleaned and re-gapped both magnetos points reinstalled maggs and set ignition timing. Cleaned and regapped all the spark plugs. Checked compression on the cylinders and found them to be acceptable. Complied with 100 hour/annual inspection on the airframe, propeller, & engine, in accordance with FAR 14 CFR Part 43 appendix D. A record of the applicable airworthiness directives has been supplied without due items at this time. This airframe, propeller & engine have been determined to be in airworthy condition and all the current AD's are complied with.					
Signature:			Date:	10-14-19	Alan Lance
					IA: 337543694

DATE

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December 1, 2020 N9554L W.O. 20-153 Tach / Total Time: 4083.39 SMOH:  
1806.69 STOH: 557.59

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter. Cut open filter and no contaminants were detected. Cleaned suction screen and replaced crush gasket. Added 7 Qts. Aeroshell 15w-50 oil.

Compression taken with .040 orifice sized compression tester with these results: #1 78/80, #2 76/80, #3 78/80, #4 75/80 (These all done cold). Cleaned spark plugs and gapped. Installed with new gaskets. Replaced induction air filter element. Removed oil cooler; welded small crack in flange; reinstalled oil cooler with correct hardware.

Removed all four primer nozzles, cleaned and reinstalled. Due again in 200 hours.

Removed all fluid hoses in the engine compartment. Replaced with TSO'd Teflon Type "D" hoses. These hoses have no life limit to them. Adjusted timing on both magnetos to 25 BTC. Replaced terminal end on "P" lead of left magneto. All A.D.s checked through T-Data Revision 2020-24; see listings for details. I do hereby certify this engine has been inspected in accordance with an annual inspection and is found to be airworthy.

John Sjaardema



A&P 2100539 IA