

N9554L

*The Standard*



ENGINE LOG

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL O-320-E2G

SERIAL L-39325-27A TYPE CERTIFICATE \_\_\_\_\_

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

MINIMUM OCTANE FUEL 80/87 OIL GRADE SUMMER SAE 40-250 WINTER SAE 30-240

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**

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DATE 19 <u>79</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.)
10-15-79	0.5 hrs.			Engine overhauled in accordance with Lycoming overhaul manual and pertinent Service Instructions and Service bulletins. ALL Engine Limits brought up to manufactures 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 86-000194, overhauled using new bearings, brushes, and bendix drive. Alternator S/N-9010441 is Air borne Exchanged unit. Carburetor, S/N BL-2012701, given complete overhaul. Vaccum pump cleaned and tested, Mags cleaned and tested. Left mag t.T. 986, Right-Contd-



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				Mag. 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. <i>Douglas O. Oakes</i> A & P 1684839.

**AC & E AVIATION**  
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OCT 19	2276.7	1.3	<del>0.2</del> <sup>1.3</sup>	OVERHAULED ENGINE INSTALLED IN A/C THIS DATE. TEST FLOWN & RETURNED TO SERVICE. R. Plonka A540601709
DEC 6	2299.7			CHANGED OIL, CLEANED SCREEN ACROSHELL 100 8 qts Daniel J. Martin 239526363
FEB 23/80	2346.8			I CERTIFY THIS ENG HAS BEEN INSPECTED I/AW A100HR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION Daniel J. Martin A5P 239526363

DATE 19 <u>80</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
MH/12	2423.06	CHANGED OIL, 8QT SAEROSHell 50, cleaned, inspected screen screen 8400's NO METAL PARTICLES, cleaned packed wheel bearings, lubricated all controls, rotated pulleys compression check good all cyl. 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 <u>199985</u>		David Martin AP 239 526363
1 AUG 80	2523.3			I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/ANV A 100 HR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION David L. Martin AP 239 526363



[illegible]



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.)
				<p>12-7-87 TAC.</p> <p>Replaced sparkplugs. Changed oil 40 w. HESOC STAL</p> <p>Replaced Heat muff and shield.</p>
				<p>I CERTIFY THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 Hour INSPECTION AND FOUND TO BE AIRWORTHY.</p> <p><i>Richard L. Moffet</i> A &amp; P 175557</p>
				<p>TACH TIME _____</p> <p>DATE 12-7-87</p>

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				<p>#1 <math>\frac{21}{80}</math> #2 <math>\frac{26}{80}</math> #3 <math>\frac{26}{80}</math> #4 <math>\frac{28}{80}</math></p>
				<p>I CERTIFY THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr</u> INSPECTION AND FOUND TO BE AIRWORTHY.</p> <p><u>Richard A. Moffat</u> A &amp; P 1233523</p> <p>TACH TIME <u>2660</u></p> <p>DATE: <u>2-1-89</u></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.)
19 Mar 1990	Tach 2673.9			<p>Completal Annual inspection on this Engine. Changed Oil and changed scaven Compression check #1 <math>\frac{72}{80}</math> #2 <math>\frac{72}{80}</math> #3 <math>\frac{74}{80}</math> #4 <math>\frac{79}{80}</math> made ground runup and system check This Engine approved for return back to Service Ad P46578 9117 IA Richard 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	Completed Annual inspection on this Engine and prop as outlined in the Service manual for this aircraft Compression check #1 $\frac{78}{80}$ #2 $\frac{78}{80}$ #3 $\frac{79}{80}$ #4 $\frac{78}{80}$ changed oil and cleaned screen serviced with Amsoil AD 50W made ground run up and system check This engine and prop approved for return back to Service APP 465789117IA Richard E. Anderson

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.)
24	June	1992	Tach 2711.2	Complatal Annual Inspection on this Engine and Prop as outlined in Service manual Compression check #1 $\frac{73}{80}$ #2 $\frac{72}{80}$ #3 $\frac{78}{80}$ #4 $\frac{70}{80}$ Changed oil and cleaned screen made ground runup and system check This Engine and Prop approved for return to service AD P465789117IA Richard E Anderson



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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8-8-97	2727.0			Cleaned & gapped spark plugs. Magnets & timing checked OK. REMOVED Cowl WASHED ENGINE AND Cowl PULLED COMPRESSION CHECK 1 80/68 2 80/68 3 80/74 4 80/78 REPLACED Cowl RAN ENGINE  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 DATE <u>8-8-97</u> TIME <u>2727.0</u> <u>Donald S. Morgan</u> 13085071A
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Carburetor (MA4-5PA) name plate stamped "V" to indicate  
one piece Venturi is installed & function satisfactory. Ray Clark M# 692103.




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.)
<del>8-8-97</del>	2,727.0 -	2,727.0		Completed engine inspection repairs 8/1 to 8/28/97, Installed new one-piece Venturi in MAY-SPA 10-5009 S/N BZ-20-12701, Venturi # 46710, also new Metal Float Kit P/N 30-766, w/retract clip # 29-194, and porting gasket # A16-676. Carb assembled, checked for float operation, leakage, safetied & ground oper. check OK, Installed new Air Box Bracket & filter element # BA-19. Installed oil guide drain hose and clamps. Changed fuel & oil screens & installed 79 to Quershell 100" w" oil (50 wt). Replaced rusty & broken cowl screws, rivnuts, & nut plates 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 # 692103. (Installed spring & ground leg near Engine A.D. & checked to date O.K. (cowl fastener -

[illegible]



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11-24-89	2908	TAC		<p>Chaged oil, cleaned screen, serviced with            Amoshell 80W, checked compression,            1 <math>\frac{70}{80}</math> 2 <math>\frac{76}{80}</math> 3 <math>\frac{74}{80}</math> 4 <math>\frac{78}{80}</math>, cleaned and gaped            spark plugs, replaced air filter.            I CERTIFY THAT THIS <u>aircraft</u>            HAS BEEN INSPECTED IN ACCORDANCE            TO A <u>and</u> INSPECTION AND            WAS DETERMINED TO BE AIRWORTHY.    <i>Mark</i>            AOB 2744400514         </p>
	631.3	SMOH		



DATE 2000 <del>19</del>	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.)
7/20/00	3039			Drained engine oil, cleaned screen and serviced engine w/ 7 qts Aeroshell W 100 Matt Williams AOT 288204672
1-20-01	3099.69 823 SMOH			Cleaned and gapped spark plugs, replaced engine baffle seal, Replaced starter with SkyTech lightweight starter P/N 149-12LS adjusted W+B records, complied with 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,

[illegible]



DATE 2001 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.)
1-20-01				
	3095.46			
	823	S Mon		
				<div style="border: 1px solid black; padding: 5px;">CC. <div style="text-align: right;">Clay Carman I.A. 288641903</div><div style="text-align: center;">hrs. eng. _____ airworthy condition A/C inspection and was found to be in been inspected I.A.W. I certify that this</div></div>

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I certify that this ENGINE has  
been inspected I.A.W. ANP DAL  
inspection and was found to be in  
airworthy condition A/C 3099.69  
hrs. eng. 823 hrs. SMOH

Clay Carman LA 288641903

Clay Carman  
IA 288641903AP

12-10-01

Replaced all 8 engine spark plugs with  
Champion RBM40B and replaced both magneto  
ignition harnesses with Champion harness

Matthew Hains SEP 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.)
3-1-2002				Drained engine oil, cleaned screen, and serviced with 7 qts Phillips XC 20W50.
				Replaced rubber section of rocker box return lines, replaced rocker box cover gaskets, replaced exhaust gaskets, replaced all EGT + CHT thermocouples, checked engine to mag timing, retorqued and safetied prop bolts, cleaned carb in let screen and checked engine compression #1 12/80, #2 12/80, #3 12/80, #4 06/80
	ACTH 3320.2			I certify this engine has been
	SNOTH 1043.51			inspected IAW a 100 hr. inspection & found to be in an airworthy condition
				Met Williams 228804672 ATP

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3-1-02				<p>Installed Slickstart magneto booster system. IAW Slick service letter SL2-96. Form 337 submitted to FAA.</p> <p>Matt Williams AIP 288804672</p>



DATE 2002	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS <small>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)</small>
3-1	3340.2			All AID CURRENT & C/W AS OF THIS
SNOH	1043.5			ANNUAL SEE A/I COMPLIANCE LIST
				I certify that this ENGINE has been inspected I.A.W. ANNUAL inspection and was found to be in airworthy condition A/C 3320.2 hrs. eng. 1043.5 hrs. SMOH
				Clay Carman I.A. 288641903
				Clay CCarmm 288641903 FA

[illegible]



DATE 2003 29	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.)
10-1-03	3505TT 1228.7	SMOH		<p>Drained engine oil, cleaned screen, serviced            w/ 7qts Phillips DC xow-50. Replaced            #3 &amp; #4 cylinders with serviceable assy's,            replaced muffler with overhauled assy.,            replaced alternator bracket, retorque'd + serviced            propeller, Cyl. Comp #1 16/100 #2 16/100 #3 180 #4 180            + certify this engine has been inspected            JAV a 100 hr inspection &amp; found to be in            an airworthy condition</p> <p style="text-align: right;">Matt Williams            ATP 288804672</p>

[illegible]



[illegible]

DATE 2,003 <del>19</del>	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.)
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>GS</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 RECURRING AT THIS TIME. ALL NEW CYLINDER INTAKE HOSES, GASKETS, SEALS, O-RINGS AND LOCKING TABS USED UPON CYLINDER INSTALLATION. OVER

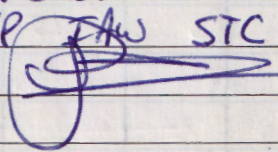


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11-18-04	Tach. Time	3613.8		performed ANNUAL INSPECTION ON engine. Drained oil Added QUARTS OF OIL TO CRANKCASE. Performed Compression Check: #1 78/80, #2 75/80 #3 74/80 #4 71/80. Inspected CYLINDERS, CRANKCASE, INDUCTION SYSTEM, EXHAUST SYSTEM, ENGINE ACCESSORIES, AIR AND FLUID LINES AND ELECTRICAL WIRING. Re-INSTALLED MAGNETOS WHICH WERE REMOVED. A.D'S CHECKED THRU 11-04. RAN-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	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 JAW STC SE882NE IA AIP 400062798 
5-2	3635.14			Propeller Overhauled by Aircraft Propeller Service. Reinstalled overhauled propeller ser# E18472. Torqued + safetied as required Matt Williams AIP 288804672
7/16/05	3654.07			Drained & Replaced Oil, AeroShell 15-50, and Fuel tank CA 48110-1, T. Darnett - owner



February 20, 2006

Tach/Total Time: 3686.71

SMOH: 1410.01 STOH: 160.91

DATE

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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

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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

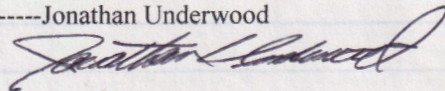
6/1/06 Drained oil, replaced filter, added 6 qts.  
Aeroshell 15W50 + 1 qt. Marvel Oil  
Quinn Smith, Owner. TACH. 3720.86



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

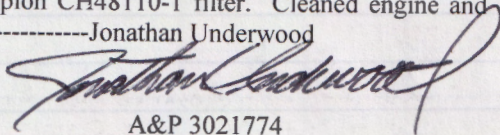
**2-22-2007 TACH-3799.2 TTAF-3799.2 SMOH-1522.5** Completed 100 hour inspection as per FAR 43 appendix "D". Compression tested engine as follows: Cyl #1 74/80, #2 73/80, #3 69/80, #4 73/80. Drained engine oil and removed filter. Serviced engine with 7 quarts of Aeroshell 15W50 oil and one Champion CH48110-1 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



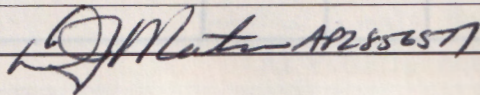
A&P 3021774

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.-----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.

 A&P 3021774



DATE  
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May 1, 2008

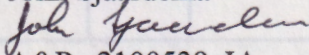
Tach/Total Time: 3906.33

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&P 2100539 IA

DATE  
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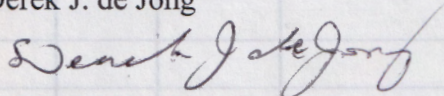
June 19, 2009

N9554L

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



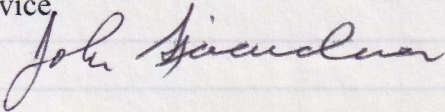
A&P 366069153 IA




DATE 19__	RECORDING TACH TIME	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.)						
				<i>N9554L</i>						
				<b>Make</b>	Lycoming 0-320-E2G	<b>Tach</b>	3983.2 hr			
				<b>SN#</b>	L-39325-27A	<b>TT</b>	1706.5 hr			
				<b>Date</b>	09-22-2010	<b>TSMOH</b>	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 <b>engine</b> has been inspected in accordance with an <b>ANNUAL</b> inspection and was determined to be in an airworthy condition.						
				<b>Compressions</b>	#1-79	#2-79	#3-73	#4-78	#5-	#6-
				<b>Jasson P. Czaika</b> A&P 2747316 IA 						





DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS</b> 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	

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.)						
<b>N9554L</b>										
<b>Make</b>		Lycoming 0-320-E2G			<b>Tach</b>		4038.4 hr			
<b>SN#</b>		L-39325-27A			<b>TT</b>		1761.7 hr			
<b>Date</b>		12-20-2012			<b>TSMOH</b>		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 <b>Engine</b> has been inspected in accordance with an <b>ANNUAL</b> inspection and was determined to be in an airworthy condition.										
<b>Compressions</b>		#1-78	#2-78	#3-76	#4-78	#5-	#6-			
Jasson P. Czaika										
A&P 2747316 IA										



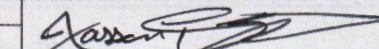
DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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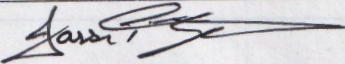
N9554L

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>119.4 hr</del>

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						

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.)			
				<b>N9554L</b>			
		<b>Make</b>	Lycoming 0-320-E2G	<b>Tach</b>		4055.4 hr	
		<b>SN#</b>	L-39325-27A	<b>TT</b>		4055.4 hr	
		<b>Date</b>	04-04-2017	<b>TSMOH</b>		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 <b>Engine</b> has been inspected in accordance with an <b>ANNUAL</b> inspection and was determined to be in an airworthy condition.							
		<b>Compressions</b>	#1-79	#2-78	#3-70	#4-77	
		Jasson P. Czaika					
		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.)
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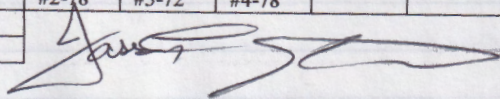
*N9554L*

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> A&P 2747316 IA						



DATE

RECORDING

TODAYS  
FLIGHTTOTAL  
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\_\_

TACH  
TIME

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

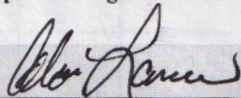
S/N: L39325-27A

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



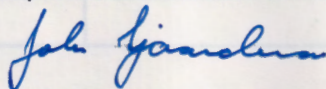
DATE

19\_\_

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&amp;P 2100539 IA