

LYCOMING R680-17

ENGINE LOG

ENGINE DESCRIPTION

Manufacturer: LYCOMING

Serial No. 13300

Horsepower: 225

Model: R680-17

FAA T. C. No. _____

Engine Accessories	Serial No.	Weight
Bendix MAG. TYPE DFERN		
CARB. STROMBERG 1A-R7B		

ENGINE OVERHAUL

TYPE

Major Top

Engine Serial No. 13300

Date Completed 3-20-89

Since Last Major

Total 652100

TIME

REAR MAIN ROLLER BRG. # 255-B

FRONT MAIN ROLLER BRG # 255B

FRONT BALL BRG. # 256

DRUM # 251-E RINGS # 508-B

ASSY DRIVE SHAFT BRG. # 612-D

W-RINGS # 212. MARGNETO OVERHAUL

CARB NAR 7 B STROMBERG CLEANED REASSMLED

NEW RINGS - Cyl. cleaned honned assembled with

Exp. + inlet valves with service. Guides checked

REMARKS

Engine assembled as per accompanying OVERHAUL MANUAL.
JORK & LIMITS. LUBRICATION FOR VALVE LEAK AIR METERING
TUBE IN THROAT BRG. HOOSING ENKARRG P/N 304 TO, 051
MAJOR OVER HOLE BASKET SET. CAM & ROLLER NEW
CIRCLIPS. IGNITION WIRES REPLACED. ROTIMED MAP.
& DIST. ACTORS. STARTED SAME. OIL PUMP. CHECKED.
ROCKER-ARMS BRG & ROLLER - PUSH RODS EXAMINED
INSPECTED. VALVES ADJUSTED. NO RUN IN TIME & AFTER MAJOR.

I certify that this overhaul was accomplished in accordance with FAA Regulations and Directives using approved material and parts.

See next page

Signature Norma Thompson
Certificate No. ATC 71394

Address Home Air Terminal

ENGINE OVERHAUL

TYPE

Major . . .
Top . . .

Engine Serial No. 13300
Date Completed 3-20-89
Since Last Major
Total 652.70
TIME

NEW PARTS

Cylinder seven to old plcs. old rings

Cyls. # 6 & 7 std. skad piston & rings

All piston wt. same - for all 9 cyls.

Parts purchased from (Baker) (CARS)

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →		54.2	
9/24/95	706.2	54.2	54.2	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Total Time <u>706.2</u>		
Tachometer <u>54.2</u> I certify that		
this aircraft (engine) has been inspected in accordance with a (annual) (100 hour) inspection and was determined to be in airworthy condition.		
Dated <u>9/24/95</u> W.O. No. _____		
Signed <u>John A. Kellatuck</u>		
<u>AP 1889219 1A</u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-1-97	Brought Forward ←		100.1	PERFORM 100hr
				AS PER AD 01-70
				MANUAL. CHANGE OIL
				PVT IN AERO (see 100hr)
				340R AND 320LI. CURR
				FISHER, INSPECTION
				AND LDRS
				PERFORM DIFFERENTIAL
				#1 25/80 #2 72/80 #3 77/80
				CLEAN AND CHECK

Total To Carry Forward

and Remarks		Signature	Certificate No.
INSPECTED ON 680-17 ENGINE			
AC-2 EJECTION ON MK17 ENGINE			
AND INSPECTION SCREPT-SUMP.			
4.7 GALONS. CHECK SET MARKETS			
ATE PUMPS. CHECK AND CLEAN			
FISHER, INSPECTION AND STARTER			
LUBRICATE AND CONTROL. ROPS. INSPECT ENGINE			
INSPECT AND OIL LINES & TANK			
COMPRESSION TEST			
#4 76/80 #5 74/80 #6 75/80 #7 76/80 #8 75/80 #9 76/80			
DM SPARK PLUGS.			

ENGINE LOG

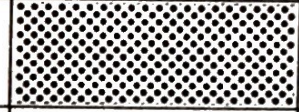
Date	Brought Forward	This Date	Engine Time		Recorder Reading	Maintenance
			Since Major	Engine Time		
3/7/98	←	135.2				
						PERFORM 100hr
						AS PER Air 01-20 AC-2
						CHANGE DIC AND INSPE
						100 W. INSPECT MATHEM
						SET TIMING. 34° BT
						Clean GAS COUPLER
						BRUSHES. TIGHTEN W/
						RUNS, PERFORM DIFFER
						#1 76 #2 74 #3 78
						#4 75 #5 76 #6 78 #7 77
						#8 74 #9 79
						PERFORM DIFFER
						CLEAN AIR REG-A SPARK
						SYSTEMS. RETURN AIR

and Remarks			Signature	Certificate No.
INSPECTION ON 680-17 ENGINE				
E RECTION AND MAINTENANCE MANUAL				
SLIP SCHEM + AUT. IN. REDESIGN				
AND CLEAR POINTS + LUBRICATE FELT				
30° BT, HIGH TENSION TEST HARNES				
INSPECT STARTER AND GENERATOR				
LUBD MOTOR BOAT. LUBRICATE CONSOLE				
TIME. OIL PRESSURE TEST				
#4 75 #5 76 #6 78 #7 77				
#8 74 #9 79				
PLUGS CHECK INSTANT AND EXHAUST				
ENGINE TO SERVICE				

ENGINE LOG

Date	This Date	Engine Time Since Major	Recorder Reading	Maintenance
3/7/98	Brought Forward ←	135.2 hrs	I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. ERNEST PERSICH A + P 55878-2379	Ernest Persich
			I CERTIFY THAT THIS AIRCRAFT ENGINE MONITOR HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION. AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
			3/8/98 135.2 TOTAL TIME 787.2	

Total To Carry Forward



ENGINE LOG

Date	This Date Brought Forward	Engine Time Since Major	Recorder Reading	Maintenance	Total To Carry Forward
3-13-99	← 169.5				
				PERFORM 100 HOUR	
				LT COMING TO GIVE	
				AND MAINTENANCE MARK	
				PUE SCREENS. MOVE	
				COMPRESSION #175 #225	
				DROP GAS COUPLER & REINSPECT	
				INSPECT BRISTLES & COMPRESSION	
				IN MANAGED. INSPECT PINS	
				LOSE EXHAUST GASKETS ON	
				IN SPECT. C/D RO MD UNDS	
				ELECTRICAL. WIRING. TWO	

and Remarks		Signature	Certificate No.								
INSPECTION ON 680-17											
AS PER AUDI-70AC-2 ECTION											
CHANGE OIL ACROSS 100 DETAIL											
CUD FIVE 2 TURNS PERFORM											
<table border="0"> <tr> <td>#3 27</td> <td>#4 24</td> <td>#5 22</td> <td>#6 28</td> <td>#7 26</td> <td>#8 28</td> <td>#9 25</td> <td>#10 30</td> </tr> </table>		#3 27	#4 24	#5 22	#6 28	#7 26	#8 28	#9 25	#10 30		
#3 27	#4 24	#5 22	#6 28	#7 26	#8 28	#9 25	#10 30				
INSPECTION. W/BACK TO CONTROL ROAS											
IN REPAIR AND STRIP. LOGICATE BACK FEES											
SET TIMING 340 AS + 30° C. TILSON											
EXHAUST PIPS. CLEAN & REPAIR PULBS											
TWO EXHAUST MD UNDS. IN SPECT ALL											
OIL FUEL HOSES ON AIR CRAFT											

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance	Total To Carry Forward
	This Date	Since Major			
3-13-99	Brought Forward →	169.5	T1 FIREMAN'S FORWARD		
			TO SERVICE.		
			I CERTIFY THAT		
			IN ACCORDANCE WITH		
			DETERMINED TO BE		

and Remarks

RETURNS AIRCRAFT ENGINE AREA

THIS ENGINE HAS BEEN INSPECTED

A 100 HOUR INSPECTION. BOARD WAS

IN AIRWORTHY CONDITION

Chief Panel AT# 58-78-2379

Total Time 821.5 SMH 169.4

Tachometer 169.5 I certify that

This aircraft (engine) has been inspected in accordance with a (annual) (100 hour) inspection and was determined to be in airworthy condition.

Dated 3/17/99 W.O. No. [Signature]

[Signature]

Approved [Signature]

App 1289619 1A

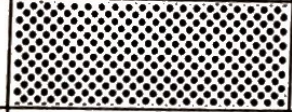
Certificate No.

Signature

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-15-2000	Brought Forward ←	40.55 220.71	822.77	PERFORM AIR UNIT
				AWD1-70AC ELECTRICAL
				W680-17 ENGINE
				TOP OFF OIL WITH
				MUR COND FILTER SERVICE
				TEST #1 76 #2 78 #3 80 #4 79 #5 77 #6 78 #7 80 #8 79 #9 77
				CENTRAL AODS, INSIST
				34° RT + 30° L, CHECK
				INSPECTS STRIPING +
				AND EXHAUST SYSTEM

Total To Carry Forward



Date	Signature	Certificate No.	and Remarks
			INSPECTOR AS PER
			AND PERFORMANCE MONITOR ON
			CHARGE OIL IN SECT 3 CHECK
			ADJUSTABLE SW PERFORM
			PERFORM COMMISSION
			#3 25 #4 24 #5 22 #6 28
			INSPECT GAS COOLING LUBRICATE
			METERS & CHECK TIRING
			PLASTS + LUBRICATE FEET.
			GENERATOR, INSPECT MAINTENANCE
			INSPECT ELECTRICAL WIRING

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-11-2001	Brought Forward →	LOBBBS 2475	899.5TT	PERFORM ANNUAL ERECTION AND MAINTENANCE 24H DIFFERENTIAL COMPRESSION INSPECTION AND #5 $\frac{72}{80}$ #6 $\frac{77}{80}$ #7 $\frac{76}{80}$ LUBRICATE AND CONTROL INSPECT MAGNETO. INSPECT CHECK MAGNETO TIMING HEADS AND VALVES. DEPRESS INSPECT GAS COULATOR AND AND EXHAUST SYSTEM. ADJUST VALVES TO.
Total To Carry Forward				

and Remarks	Signature	Certificate No.
INSPECTION AS PER ANNOT-70 AC MANUAL ON W 680-17 ENGINE PERFORM TEST #1 $\frac{72}{80}$ #2 $\frac{76}{80}$ #3 $\frac{75}{80}$ #4 $\frac{72}{80}$ #8 $\frac{79}{80}$ #9 $\frac{72}{80}$. INSPECT GAS COULATOR RODS. INSPECT STARTER AND GENERATOR 16-MILLION WIRES. CLEAN & REPAIR PLUGS 34°K & 30°LT. CHANGE OIL WITH M100 COND FILTER SEVERAL TIMES PRIMER LINES. INSPECT INTAKE REPLACE PUSH ROD SEALS AND ".015" CHECKED VALVES ON ALL		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	247.56	899.57	4 CAM LOBES ON #1 CYLINDER. ENGINE MOUNTS ROCKER OIL ACCUMULATORS PER STC NUMBER DWA NO. 703. PILOTS TO INCLUDE PLACARD RETURN AIRCRAFT TO SERVICE
Total To Carry Forward				

and Remarks	Signature	Certificate No.
REPLACED EXHAUST SLEEVE NUMBER 4000. INSPECT RUBBER MOUNTS. INSTALL SYSTEM QUICK DRAIN AS SALGOTAN. AND ENGINEERING OPERATING INSTRUCTIONS. MODIFIED ON QUICK OIL DRAIN SYSTEM. TO SERVICE.		
I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Ernest P. [Signature]		
Ernest P. [Signature] AIP 558-78-2379 1A		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-1-2002	Brought Forward →	273.7	925.7TT	PERFORM ANNUAL ERECTION AND MAINTENANCE SCREENS, ADD 4.5 GALS PERFORM DIFFERENTIAL #1 ²⁰ / ₈₀ #2 ²² / ₈₀ #3 ²⁰ / ₈₀ #4
				CLEAN SPARK PLUGS AND CHECK TIMING, INSPECT
				I CERTIFY THIS ACCORDANCE WITH DETERMINED TO BE
Total To Carry Forward				

and Remarks	Signature	Certificate No.
INSPECTION AS PER AN01-20 AC MANUAL. CHANGE OIL INSPECT AEROSHELL 50W. DETERMINE COMPRESSURE TEST.		
²⁰ / ₈₀ #5 ²⁶ / ₈₀ #6 ²⁴ / ₈₀ #7 ²⁶ / ₈₀ #8 ²² / ₈₀ #9 ²⁴ / ₈₀		
TEST AND CHECK GAP ON PLUGS. INTAKE AND EXHAUST SYSTEMS. ENGINE HAS BEEN INSPECTED IN A ANNUAL INSPECTION AND WAS IN AIRWORTHY CONDITION		
Erect Permal #P 558-78-2379 1A		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/23/2003	Brought Forward →	294.7	946.7H	PERFORM AIRWORK EXERCISE AND MAINTENANCE GAP ON PULS INSURE YELLOWIS TIRE 5794 FROM SADDLE CYCLODR SET T1000 COMPRESSION TEST #1 75 "I CERTIFY THIS ENGINE WITH A KNOWLEDGE INSURE NO AIRBORNE CONDI
Total To Carry Forward				

and Remarks	Signature	Certificate No.
INSPECTION AS PERMITTED MOTOR, CLIP AND CHECK IS DIC STUW ADDRESS REVISION MOTOR SET F455-35 W.D MOTOR SET TO F1 340 + 300. RED FIRM AIRFLOW IN AT 2 7/8 + 3 7/8 1/4 5/8 3/8 1/8 7/16 1/8 7/16 1/8 7/16 HAS BEEN INSPECTED IN ACCORDANCE AND WAS DETERMINED TO BE "GOOD" BOARD APP558-28-23791A		

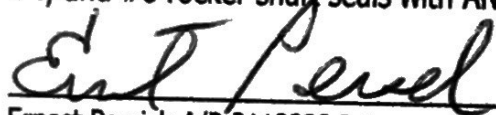
ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-10-03 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 330.1 -- TTE: 330.1

Replace #1 and #8 exhaust valve cover gaskets, P/N 1843-F. Replace #3 and #4 intake valve cover gaskets, P/N 1843-F. Replace #1, #3, #4, and #8 rocker shaft seals with AN6227-7 Parker seals. Solvent clean engine and function test for leaks.


 Ernest Persich A/P 2112333 I.A.

Total To Carry Forward				


and Remarks	Signature	Certificate No.

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

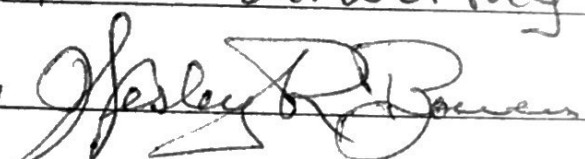
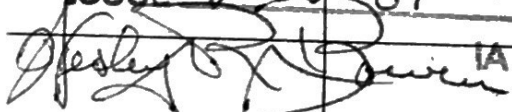
Date: 4-25-2004 – Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 335.8 -- TTE: 987.8

Perform annual inspection as per AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946. Change oil and inspect screens, add 4.5 gal of Aeroshell Engine Oil AD SAE50/Grade 100. Perform differential compression test: No. 1= 74/80, No.2= 78/80, No. 3= 76/80, No. 4= 76/80, No. 5= 72/80, No. 6= 78/80, No. 7= 78/80, No. 8=76/80, No. 9= 78/80. Clean, test and regap spark plugs. Check timing: right 34, left 30. Inspect engine mount and lord mounts, check and tighten intake and exhaust systems. Inspect accessories.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


 Ernest Persich A/P 2112333 I.A.

ENGINE LOG

Date	Engine Time		Hobbs Recorder Reading	Maintenance
	This Date	Since Major ^{P.T.}		
15 Apr. 2005	Brought Forward →	1018.9	366.9	
<p>100hr service for annual in accordance with FAR 43 appendix D & Mfg check list. Cleaned & Gapped plugs. Changed oil 4.5 gal AeroShell w 100 SAE 50. Inspected screens. Inspected exh system. Mount & load mounts. Ground run and returned to service in an airworthy condition.</p>				
<p>I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE AIRWORTHY CONDITION. A.D. NOTES CHECKED THROUGH ISSUE <u>2005-07</u></p>			<p style="text-align: right;">  Apr 523748 </p>	
<p> IA 523748</p>			<p style="text-align: center;"> Compression #1-74/80, #2-78/80, #3-76/80, #4-76/80, #5-77/80, #6-78/80, #7-78/80, #8-78/80, #9-78/80 </p>	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

14 Sept 2006 ~~14 Sept~~ ^{Hobbs} 393.2, Eng T.T. 1048.2. 100 hr service
 for annual in accordance with FAR 43. applied,
 Changed oil, 4.5 gal Aero Shell w-100, SAE 50. Inspected
 Screens. Inspected intake and exh systems. Inspected
 Eng Mount & Lord Mounts. Cleaned plugs. Compression:
 #1-76/80, #2-78/80, #3-76/80, #4-75/80, #5-68/80, #6-76/80, #7-78/80, #8-73/80, #9-73/80

Ground run and returned to
 service in an airworthy condition

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED IN ACCORDANCE
WITH AN ANNUAL INSPECTION AND HAS
BEEN DETERMINED TO BE AIRWORTHY
CONDITION. A.D. NOTES CHECKED THROUGH
ISSUE 2006-18 14 Sept 06

IA 523748

Nesley R. Bowen
 AEP 523748

Nesley R. Bowen

ENGINE LOG

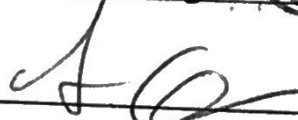
Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-30-2007	N68837	HOBBS 408.7		

THE FOLLOWING WORK WAS ACCOMPLISHED AT THIS TIME.

1. REMOVED LEFT AND RIGHT DISTRIBUTOR CAPS AND ROTORS FOR INSPECTION, TEST AND REPAIR BY SAVAGE MAGNETO.
2. REINSTALLED LEFT AND RIGHT DISTRIBUTOR CAPS AFTER REPAIR.


 DAVID ORMOND
 A&P 2706679 I.A.

BUD FIELD AVIATION, INC.
 229 RICKENBACKER CIRCLE
 LIVERMORE, CA 94551

8-12-07	418.6	Changed oil and cleaned	Screen.	4 gallons of Hero-Shell 100W 50 SAE
Total To Carry Forward				

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 9-28-2007 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 425.0 -- TTSMOH 425.0

Perform annual inspection as per AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, and FAR part 43 appendix D.

Inspect screens and drain curno plug. Top off with 2 quarts of aeroshell 50W. Perform differential compression test: No.1=78/80, No.2=77/80, No. 3= 78/80, No. 4= 78/80, No. 5= 78/80, No. 6= 78/80, No. 7= 78/80, No. 8=79/80, No. 9= 78/80. Clean, test and regap spark plugs. Reset magneto timing from 36 and 32 degrees to 34 and 30 degrees. Remove intake pipes #5 and 6, both pipes leaking, showing fuel and oil coming from gland nut seals, replace with new seals P/N 568. Replace cylinders #1 and #3 bushing connectors with new P/N 400-B connectors; also replace exhaust pipe ribbons P/N 405 on cylinders #1, 2, 3 and 9. Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Check all AD's complied with 2007-19.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


Ernest Persich A/P 2112333 I.A.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 12-31-2007 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 439.5 -- TTSMOH 439.5

Replace #1 exhaust bushing with new 400-B bushing and install new exhaust ribbon P/N 1711. Reassemble, run aircraft, all normal at this time. Work performed in accordance with AC43.13-1B and using Lycoming R680 Overhaul Manual, 5th edition 1946 as reference.

Ernest Persich
 Ernest Persich A/P 2112333 I.A.

1-20-08	441.3			changed oil & cleaned screen - 4 gallons of AeroShell 100 w 50 SAE
Total To Carry Forward				<i>Ray A</i>

and Remarks

Signature

Certificate No.

Changed oil + cleaned screen

4 gallons of Pennshell 100W50

8-2-08 Hoss - 464.6

~~11-2-08~~

Hoss - 464.6 mu



Aircraft: N68837 ~~Fach: 256-4~~ AFTT: Unknown Date: 8/6/2008

Make: Lycoming Model: R-680-17 Serial #: 13300

Engine Entry

Disconnected all tubing, hoses and connections to cylinder #1. Removed cylinder #1. Drilled, tapped & inserted 3 Heli-coils into cylinder #1 mounting stud holes. Installed 8 new cylinder studs, P/N 382BA +.003" oversize. Cleaned all shavings from engine inside and out. Cleaned & inspected upper portion of internal engine, upper case, #1 connecting rod & upper rotating mass, no defects noted at this time. Removed #1 piston. Cleaned and inspected #1 connecting rod. Installed new piston rings, P/N 564-D +.010, 565-D +.010 & 566-D +.010. Re-installed piston onto #1 connecting rod. Cleaned, honed & inspected cylinder #1. Installed new cylinder o-ring and re-installed cylinder in #1 position. Installed 8 new cylinder base nuts, torqued all 8 cylinder base nuts and install new pal-nuts. Re-connected all tubing, hoses and connections. Removed all other cylinder pal-nuts. Re-torqued all other remaining cylinder base nuts to specification. Installed new pal-nuts on all other cylinder base nuts. Removed propeller. Removed exhaust manifold assembly. Replaced anti-chafe strip material on exhaust mount ring with new. Removed thrust plate. Replaced thrust plate with serviceable unit and new garloc seal. Set bearing crush with new shims and gaskets. Torqued thrust nut to specification. Re-installed exhaust manifold. Re-installed propeller. Ground ran engine. Leak and ops check good. - END.

All work completed in accordance with Lycoming Service Manual.

Michael P Wyant A&P 2842700



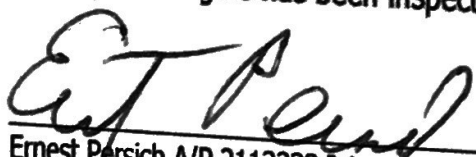
ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		


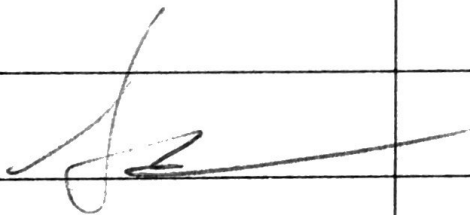
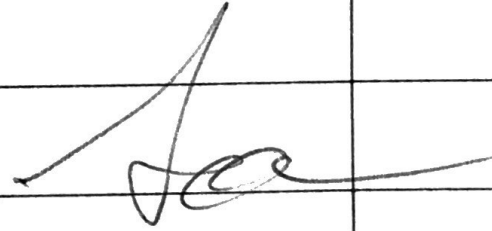
VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 10-1-2008 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 476.1 -- TTSMOH 476.1 -- TTE: 1131.1

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.
 Inspect screens and drain cuno plug. Top off with 2 quarts of Aeroshell W100/50. Perform differential compression test: No.1=78/80, No.2= 78/80, No. 3= 78/80, No. 4= 77/80, No. 5= 78/80, No. 6= 78/80, No. 7= 78/80, No. 8=78/80, No. 9= 76/80. Clean, test and regap spark plugs. Replace #4 front and #2 rear plugs with new Champion REM40E spark plugs. Reset e-gap on left mag, reset timing from 29 to 30 degrees. Right mag correct at 34 degrees.. Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent dean engine.
 Check all AD's complied with 2008-17.
 I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


 Ernest Persich A/P 2112333 I.A.

Total To Carry Forward				
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and Remarks	Signature	Certificate No.
10-15-08 retarqued Base studs on #1 Cylinder. Hobs - 427.4		
2-21-09 Hobs - 484.7 Changed oil Shell-100W 4 gallons Cleaned Screen		
7-10-09 Hobs - 502.4 Replaced Eighteen Spark Plugs with Autolight URem 40 E		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-14-2009	Brought Forward →	512.7		Changed oil & cleaned

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 10-15-2009 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hkhrs: 570.8 -- TTSMAH 570.8 -- 117 117.8

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and 1/2009 Mod. Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Inspect screens and drain cuno plug. Top off with 2 quarts of Aeroshell W100/50. Perform differential compression test: No. 1=76/80, No. 2= 78/80, No. 3= 78/80, No. 4= 76/80, No. 5= 79/80, No. 6= 78/80, No. 7= 77/80, No. 8=78/80, No. 9= 76/80. Clean, test and re-gap spark plugs. Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine. Check all AD's complied with 2009-20.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Ernest Persch

Ernest Persch A/P 2112333 I.A.

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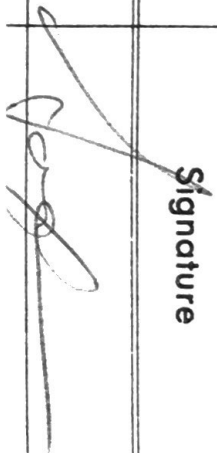


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Signature

Certificate No.

Hydboost Shell 100w



VINTAGE WINGS & WHEELS LLC

90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023

TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-1-2010 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 549.1 -- TTESMOH: 549.1 -- TTE: 1204.1

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Inspect screens and drain cuno plug. Top off with 4 quarts of Aeroshell W100/50. Perform differential compression test: No.1=75/80, No.2=74/80, No. 3= 78/80, No. 4= 75/80, No. 5= 76/80, No. 6= 77/80, No. 7= 78/80, No. 8=78/80, No. 9= 77/80. Clean, test and regap spark plugs.

Replace old exhaust ribbon and install new ribbon P/N 405.

Replace low pressure oil lines from engine to oil tank with new P/N MIL-H6000-16 fuel and oil hose 1".

Remove cuno, clean out chamber, reinstall with new gasket.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

Check all AD's complied with 2010-22.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.



Ernest Persich A/P 2112333 I.A.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-1-2011 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 569.1 -- TTESMOH: 569.1 -- TTE: 1224.1

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Inspect screens and drain cuno plug. Top off with 4 quarts of Aeroshell W100/50. Perform differential compression test: No.1=75/80, No.2=76/80, No. 3= 77/80, No. 4= 77/80, No. 5= 76/80, No. 6= 77/80, No. 7= 78/80, No. 8=78/80, No. 9= 76/80. Clean, test and regap spark plugs.


Remove cuno, clean out chamber, reinstall with new gasket.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

Check all AD's complied with 2011-22.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


 Ernest Persich A/P 2112333 I.A.

Total To			
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ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-3-2012 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 581.2 -- TTESMOH: 581.2 -- TTE: 1236.2

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 16 quarts Aeroshell W100/50. Inspect screens and drain cuno plug.

Perform differential compression test: No.1=70/80, No.2=74/80, No. 3= 74/80, No. 4= 74/80, No. 5= 74/80, No. 6= 75/80, No. 7= 75/80, No. 8=75/80, No. 9= 75/80. Clean, test and re-gap spark plugs.

Replace cylinder #1 exhaust connecting tube with new P/N 400-BYA and new exhaust pipe ribbon P/N #405.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

Check all AD's complied with 2012-21.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


 Ernest Persich A/P 2112333 I.A.

Carry Forward

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-1-2013 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 595.2 -- TTESMOH: 595.2 -- TTE: 1250.2

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Inspect screens and drain curno plug. Top off with 3 quarts of Aeroshell W100/50.

Perform differential compression test: No.1=70/80, No.2=74/80, No. 3= 76/80, No. 4= 75/80, No. 5= 76/80, No. 6= 76/80, No. 7= 76/80, No. 8=76/80, No. 9= 74/80. Clean, test and re-gap spark plugs.

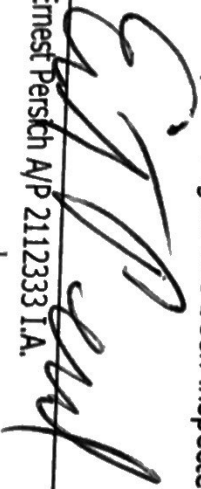
Replace cylinder #3, 4 and 5 exhaust connecting tube with new P/N #400 and new exhaust pipe ribbon P/N #405.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

Check all AD's complied with 2013-21.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


 Ernest Persch A/P 2112333 I.A.

Total To					
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and Remarks

Signature

Certificate No.

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-1-2014 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 613.6 -- TTESMOH: 613.6 -- TTE: 1268.6

- Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.
 - Inspect screens and drain curo plug. Top off with 3 quarts of Aeroshell W100/50.
 - Perform differential compression test: No.1=76/80, No.2= 77/80, No. 3= 79/80, No. 4= 78/80, No. 5= 79/80, No. 6= 78/80, No. 7 = 79/80, No. 8=77/80, No. 9= 78/80. Clean, test and re-gap spark plugs.
 - Replace cylinder #8 exhaust connecting tube with new P/N #400-BYA and new exhaust pipe ribbon P/N #405.
 - Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.
 - Run aircraft, all systems normal at this time.
 - Check all AD's complied with 2014-21.
- I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


Ernest Persich A/P 2112333 I.A.

ENGINE LOG

Engine Time

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-28-2015 -- Boeing Stearman A75N1 -- N68837 -- S/N/75-8233 -- Hobbs: 620.5 -- TTESMOH: 620.5 -- TTE: 1275.5

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cuno plug. Perform differential compression test: No.1=72/80, No.2= 76/80, No. 3= 77/80, No. 4= 76/80, No. 5= 76/80, No. 6= 76/80, No. 7= 77/80, No. 8=76/80, No. 9= 76/80. Clean, test and re-gap spark plugs.

Replace exhaust pipe ribbon on cylinders #2 and #6 with new exhaust pipe ribbon P/N #405.

Remove starter due to excessive oil in armature area. Disassemble starter, clean to remove oil and debris, replace leaking front seal P/N 81087 and front baffle assembly P/N 46995. Replace all starter brushes with new P/N 60249. Replace starter cup with P/N 80186. Starter repaired using Bendix Eclipse Pioneer Overhaul Manual dated January 1947, chapter 46, Part B, overhaul manual for E80 direct cranking electric starters as reference. Run starter on bench to brake in brushes, starter operates normal.

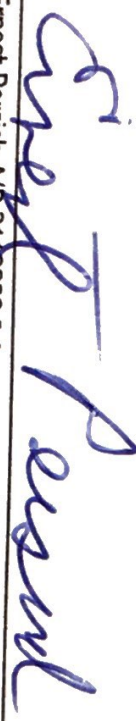
Install on aircraft with new gasket P/N 7499. Re-test, normal at this time.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

Check all AD's complied with 2015-23.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


Ernest Persich A/P 2112333 IA.

and Remarks

Signature

Certificate No.

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-1-2016 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 626.1-- TTESMOH: 626.1 -- TTE: 1281.1

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cuno plug. Perform differential compression test: No.1=72/80, No.2= 76/80, No. 3= 74/80, No. 4= 75/80, No. 5= 75/80, No. 6= 75/80, No. 7= 74/80, No. 8=75/80, No. 9= 75/80. Clean, test and re-gap spark plugs.

Install new bushing on carburetor heat box front shaft and re-safety all parts. Function test normal at this time.
Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.
Run aircraft, all systems normal at this time.

Check all AD's complied with 2016-21.
I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.



Ernest Persich A/P2112333 I.A.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 12-15-2017 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 626.9 -- TTESMOH: 626.9 -- TTE: 1281.9

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cuno plug. Perform differential compression test: No.1=71/80, No.2=76/80, No. 3=74/80, No. 4=74/80, No. 5=72/80, No. 6=72/80, No. 7=76/80, No. 8=74/80, No. 9=75/80. Clean, test and re-gap spark plugs.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

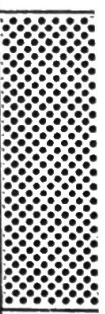
Check all AD's complied with 2017-24.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Ernest Persich

Ernest Persich A/P 2112333 IA.

Total To
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Signature

Certificate No.

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 4-26-2019 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 628.3 -- TTSMOH: 628.3 -- TTE: 1283.3

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cunio plug. Perform differential compression test: No.1=69/80, No.2=77/80, No. 3= 75/80, No. 4= 76/80, No. 5= 62/80, No. 6= 76/80, No. 7= 76/80, No. 8=76/80, No. 9= 72/80. Clean, test and re-gap spark plugs.

Replace valve assembly, Oil relief P/N 657-C, and gasket, Oil Pressure relief valve P/N 849-C. Run aircraft, check and adjust oil pressure as necessary and safety.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Run aircraft, all systems normal at this time.

Check all AD's complied with 2019-8.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.



Ernest Persich A/P 2112333 I.A.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 11-2-2019 -- Boeing Stearman B75N1 -- N68837 -- S/N75-8233 -- Hobbs: 629.7 -- TTESMOH: 629.7 -- TTE: 1284.7

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cuno plug. Perform differential compression test: No.1= 76/80, No.2= 78/80, No. 3= 74/80, No. 4= 76/80, No. 5= 76/80, No. 6= 76/80, No. 7= 76/80, No. 8=78/80, No. 9= 78/80. Clean, test and re-gap spark plugs.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine. Run aircraft, all systems normal at this time.

Check all AD's complied with 2019-21.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Ernest Persich

Ernest Persich A/P 2112333 I.A.

Total To Carry Forward				

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 7-26-21 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 634.0 -- TTESMOH: 634.0 -- TTE: 1289.0

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming R680 Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cunio plug. Perform differential compression test: No. 1=74/80, No. 2=74/80, No. 3= 76/80, No. 4= 78/80, No. 5= 77/80, No. 6= 78/80, No. 7= 76/80, No. 8=78/80, No. 9= 76/80. Clean, test and re-gap spark plugs.

Reseal push rod tubes using push rod packing upper, silicon, P/N 1111-C and push rod tube hoses P/N 1112-BC. Install all new clamps on lower tubes P/N STD-348. Replace all rocker return hoses with new MIL-H6000-6 hose using new clamps P/N STD-161. Replace worn exhaust rocker assemblies for cylinders #2, 4, 7, and 9. Using Lycoming P/N 896-D rocker assembly exhaust with bearing.

Replace #9 exhaust push rod P/N 386-E. Adjust all valves, set clearance 0.15" and tighten and torque clamping bolts. Replace valve cover gaskets using new black Viton P/N 1843-FR. Install new valve cover washers with AN960-416L, AN936-A416 lock washers and new AN345-428 hex nut plain.

Reinstall exhaust dish pan using new grey mastic coated fiberglass mat CT-190. Install exhaust collector and exhaust pipes on to engine and dish pan, safety all hardware.

Replace cylinder #2 and #9 exhaust couplers with new exhaust coupler P/N 400-B. Replace 8 exhaust pipe ribbons, P/N 405 on exhaust pipes to couplers. Resecure couplers using clamps and AN hardware. Reinstall propeller, torque and safety in place. Run aircraft, check operation and check for leaks, none noted at this time.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine. Check all AD's complied with 2021-15.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


Ernest Persich A/P 2112333 IA.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

VINTAGE WINGS & WHEELS LLC
90 SKYLANE DRIVE, HANGAR 3, HOLLISTER, CA 95023
TEL: (831) 630-9025, FAX: (831) 637-6181

Date: 8-11-2022 -- Boeing Stearman A75N1 -- N68837 -- S/N75-8233 -- Hobbs: 637.1 -- TTESMOH: 637.1 -- TTE: 1292.1

Perform annual inspection as per FAR part 43 appendix D and using AN01-70AC-2 erection and maintenance manual and Lycoming Re Overhaul Manual, 5th edition 1946, as reference as applicable to the aircraft.

Change oil with 18 quarts Aeroshell W100/50. Inspect screens and drain cuno plug. Perform differential compression test: No.1=72/80, No.2=78/80, No. 3= 77/80, No. 4= 77/80, No. 5= 78/80, No. 6= 79/80, No. 7= 78/80, No. 8=79/80, No. 9= 78/80. Clean, test and spark plugs.

Remove cuno assembly from aircraft, disassemble T-handle, clean and polish shaft and install new Cuno Seal – oil filter handle P/N 19 Seal. Run aircraft, check operation and check for leaks, none noted at this time.

Inspect smoke system pump, lines, solenoid and injector for security and function. Normal at this time. Solvent clean engine.

Check all AD's complied with 2022-16.

I certify this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.


 Ernest Persich A/P 2112333 I.A.

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