

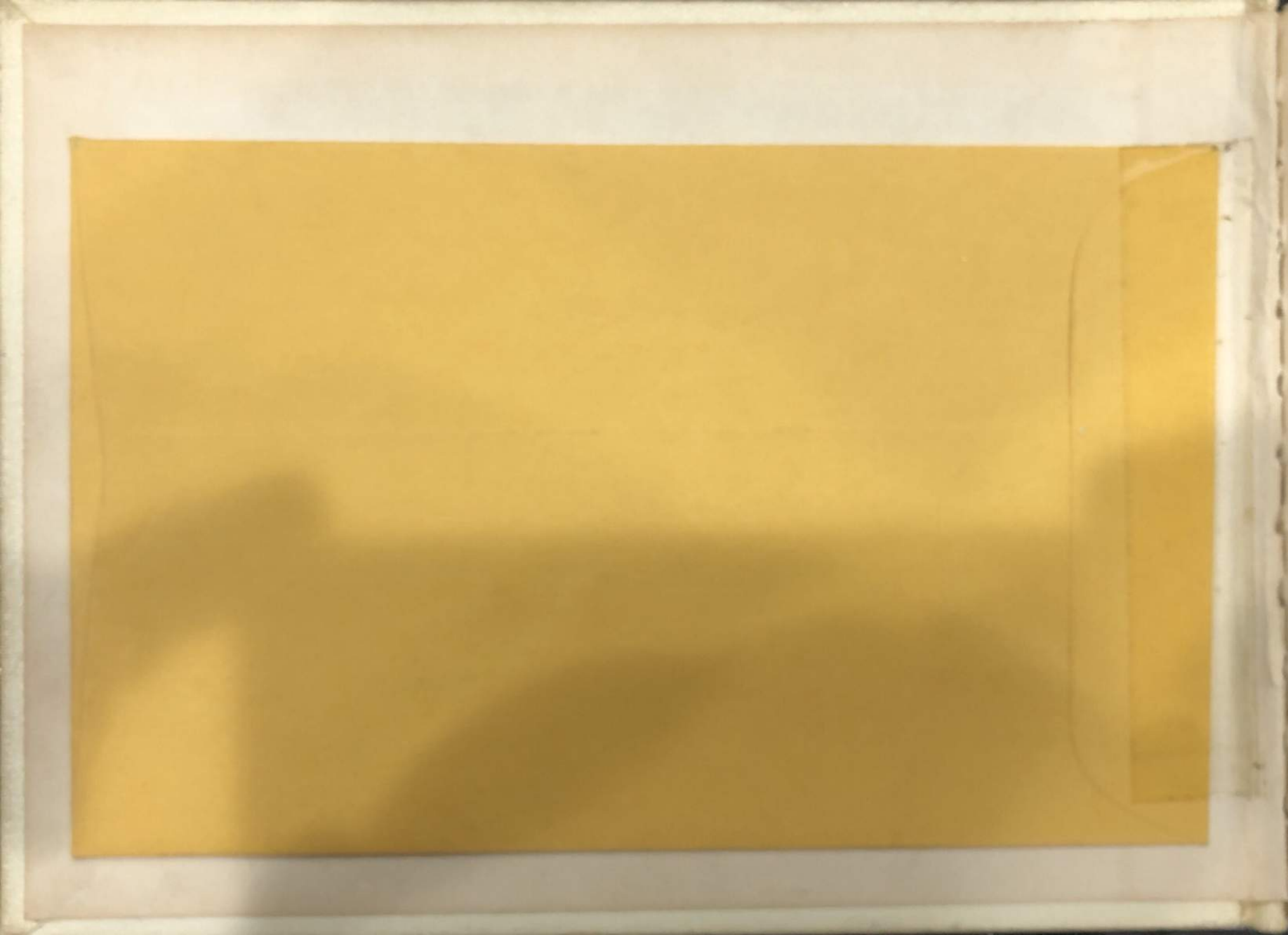
LEFT  
8708Y

LEFT  
ENGINE LOG  
LOG BOOK NO. 1



PIPER AIRCRAFT CORPORATION





# ENGINE LOG

PIPER AIRCRAFT CORPORATION

General Offices at  
Lock Haven, Pennsylvania  
U. S. A.

Part No. 230 716

# OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1			
2			
3			
4			
5			
6			

If this book is found, please return it to the owner.





# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	500		
3-30	44:00	44:00		
3-31	45:00	45:00		
4-2	47:00	<del>49:00</del>		
4-6	54:00	8:00		
4-8	64:00	18:00		
4-20	89:00	43:00		
5-5	121:00	20:00		
5-11	134:00	33:00		
5-12	137:00	36:00		
Total To Carry Forward				



and Remarks

Signature

Certificate No.

Date: 4-1-69 Tach: 46 TT: 46

I certify that this ENGINE has been inspected in accordance with a 50 HP inspection and was determined to be in air-worthy condition. Other details of this inspection are on file at this facility under WO# 2177.

CHANGED OIL FILTER, CHANGED OIL TEXACO GRADE 80. INSTALLED OIL QUICK DRAIN.

Signed: Norman A. Buss AIP 1599644

DES MOINES FLYING SERVICE, INC.  
MUNICIPAL AIRPORT, DES MOINES, IOWA

F.A.A. APPROVED REPAIR  
STATION NO. 3782  
LIMITED AIRFRAME  
RADIO CLASS I & II

4-4-69 TACH 55 HRS  
REPLACED LEFT PROP GOV.  
Michael D. Marsh  
AIP 1764684

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-14	Brought Forward →	500		
5-14	144:00	43:00		
5-18	155:00	54:00		
5-25	181:00	80:00		
5-26	183:00	—		
6-3	219:00	59:00		
6-4	221:00	61:00		
6-5	228:00	68:00		
6-8	238:00	78:00		
6-9	242:00	oil changed		
Total To Carry Forward				



and Remarks

Signature

Certificate No.

DIFFERENTIAL COMPRESSSION CHECK

Date: 4-25-69 Tach: 101 TT 101

#1	#2	#3	#4	#5	#6	#7	#8	#9
80	80	80	80	80	80	80	80	80
76	76	75	75					

I certify that this Engine has been

inspected in accordance with a 100 Hrs.

inspection and was determined to be in air-worthy condition. Other details of this inspection

are on file at this facility under WO# 2188

Change oil + filter Aerashell W 100

Replace cyl. Head Temp Sender unit.

Signed: Donald K. Treanor A4P1492408

DES MOINES FLYING SERVICE, INC.  
MUNICIPAL AIRPORT, DES MOINES, IOWA

F. A. A. APPROVED REPAIR

STATION NO. 3782

LIMITED AIRFRAME

RADIO CLASS I & II

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	500		
6-11	243:00	1:00		
6-15	250:00	8:00		
6-17	252:00	10:00		
6-18	254:00	12:00		
6-19	257:00	15:00		
6-22	260:00	18:00		
6-23	263:00	21:00		
7-1	280:00	38:00		
7-2	288:00	46:00		
Total To Carry Forward				



and Remarks

Signature

Certificate No.

Date: 6-11-69 Tach: 242 Hrs TT 242 Hrs

I certify that this ENGINE has been inspected in accordance with a 100 Hrs inspection and was determined to be in air-worthy condition. Other details of this inspection are on file at this facility under WO# 2470

REPLACED PULLEY & BEARING IN ALTERNATOR IDLER

Signed: Ernie Van Cirkum A-P1305968

DES MOINES FLYING SERVICE, INC.  
MUNICIPAL AIRPORT, DES MOINES, IOWA

CHANGED OIL & FILTER ARKOSHILL #100

F.A.A. APPROVED REPAIR  
STATION NO. 3782  
LIMITED AIRFRAME  
RADIO CLASS I & II

DIFFERENTIAL COMPRESSSION CHECK

#1	#2	#3	#4	#5	#6	#7	#8	#9
80	80	80	80	80	80	80	80	80
78	78	78	77					



and Remarks

Signature

Certificate No.

Date: 8-12-69 Tach: 349 Hrs TT 349 Hrs

I certify that this ENGINE has been

inspected in accordance with an ANNUAL inspection and was determined to be in air-worthy condition. Other details of this inspection are on file at this facility under WO# 2748

Signed:

Ernie Van Dine A-P1305968

DES MOINES FLYING SERVICE, INC.  
MUNICIPAL AIRPORT, DES MOINES, IOWA

F. A. A. APPROVED REPAIR  
STATION NO. 3782  
LIMITED AIRFRAME  
RADIO CLASS I & II

REPLACED VACUUM PUMP DRIVE SEAL  
TIGHTENED ALL ROCKER COVER SCREWS  
REPLACED PUSH ROD TUBE SEALS ON  
#1 & 2 cyl.

CHANGED OIL + FILTER ARROSHELL #100

DIFFERENTIAL COMPRESSION CHECK

#1	#2	#3	#4	#5	#6	#7	#8	#9
80	80	80	80	80	80	80	80	80
77	78	78	76					



and Remarks	Signature	Certificate No.
1-13-70 Tach. Reads 459 hrs. Washed down engine, changed oil, installed new oil Filter, installed new air filter, installed all new REM 40 E spark plugs, Retimed magnetoes, Installed one exhaust gasket Installed exhaust stack support Kit NO 760335 checked power plant controls. I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in an airworthy condition. - M. A. Wenin A9P1083238		



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1/24/70	Tach Read 463.22.			
			checked Dome Press	
			Left Eng Ready 159 PSI	
			J. M. [Signature]	
			HP 48514	
Total To Carry Forward				



and Remarks

Signature

Certificate No.

I certify that this ~~aircraft~~ <sup>aircraft</sup> has  
been inspected in accordance with  
an annual inspection and  
was determined to be in airworthy  
condition. WO # 7713

Date 2 Sept 1970 Time 554

Signed Amber for

CLARK AIRCRAFT REPAIR INC.

FAA approved repair station 3332

Ph 319 524 3753 Keokuk, Ia. 52632

Changed oil - replaced filter element

new points & condensers both mags -

Clean & gas plugs

clean fuel filters



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-30-71	Brought Forward →	TACH READING 670 hrs.		CHANGED oil & FILTER Refilled with ACROSTOLL oil w. Compression Check #1 <sup>78</sup> / <sub>180</sub> #2 <sup>78</sup> / <sub>180</sub> #3 <sup>78</sup> / <sub>180</sub> #4 <sup>78</sup> / <sub>180</sub> . cleaned AND CHECKED ALL SPARK Plugs. checked PROP Dome Press. checked MAG Points AND MAG TO engine timing Both MAGS. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr Inspection THIS DATE AND TACH READING 670 hrs AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
Total To Carry Forward				Cecil E. Johnson A&P #1954645



and Remarks	Signature	Certificate No.
-------------	-----------	-----------------

10-2-71 Tax 671 I certify this engine was inspected in accordance with a Annual & determined airworthy.  
 D. DeWitt  
 IA 1824966

11-3-71 TACH READING 680 hrs Prop removed New CRANKSHAFT, Nose Seal INSTALLED FOR PROP WORK see ATTACHED MAINTENANCE RELEASE. Prop REINSTALLED WITH NEW "O" RING TORQUED & SAFED. COME PRESSURE CHECKED.  
 Carroll E. Johnson  
 AEP # 1954645



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10/31/72	Brought Forward →	Tack Time: 714		Changed oil & filter oil: ArcoShell W 80 Replaced air filter Replaced all Rocker Box Cover Gaskets. Replaced #4 Both & #2 ex. Push rod seals. Overhauled starter checked timing & cleaned & gaped plugs. c/w AD 72-15-2 alternator fan By installation of part # 90 2241 fan ass. I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in air worthy condition.  James W. Baker ATP 1944927
Total To Carry Forward				



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10/31/72	Brought Forward →	Tack Time: 714		Changed oil & filter oil: AeroShell W 80 Replaced air filter Replaced all Rocker Box Cover Gaskets. Replaced #4 Both & #2 ex. Push rod seals. Overhauled starter checked timing & cleaned & gaped plugs. C/w AD 72-15-2 alternator fan By installation of part # 90 22 41 fan ass. I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in air worthy condition.  James W. Baker ATP 1944927
Total To Carry Forward				



and Remarks	Signature	Certificate No.
<p>11-16-73 tach reads 772 Changed oil &amp; filter (Aero-Shell W65) remove cowlings, check for oil leaks &amp; general security check induction &amp; EXhaust system, check mag points, check mag to ENGINE timing both mags. Check alternate air, check induction air filter replace all SPARK Plugs &amp; check harness. Check prop I certify this ENGINE has done pressure, been inspected in accordance with a 100 hour inspection and has been found Airworthy</p>	<p>Daniel B. Orzora</p>	<p>ADP 1959262</p>



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-10-74	Tach reads 829. Change oil & filter. (Aero-shell W65)			
	Clean gap & check plugs. Check harness & insulators. perform Compression check. Replace air filter. Check alt air. Clean screen, check for oil leaks. Check intake & exhaust systems. Check general security & cleanliness. clean injector nozzles.			
			I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100 HOUR</u> inspection and has been found to be in a air-worthy condition.	
			Daniel B. O'Carroll ATP 1959262	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

I certify that this engine was inspected in accordance with a Annual inspection and was determined to be in an air-worthy condition.

1875681

FA

Joe Brewer



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6/26/75	REMOVED & C/W AD 71-21-9 BY S/L 62 & REINSTALLED PROPS.			
Total To Carry Forward				

This aircraft or component has been inspected and work described above found airworthy and approved for return to service.

6/26/75  
 Date

David L. Smith  
 For Capitol Aviation, Inc.  
 Repair Station #3760



and Remarks

Signature

Certificate No.

9-10-75 tach reads 936 TT 936 Change oil (Shell 100W50) & filter. Clean gap & check spark plugs. Check harness & insulators. Check mag to engine timing. Perform compression check. Clean fuel & oil screens, clean injector nozzles. adjust idle mixture. Check for fuel & oil leaks, wash down engine. % AD 75-09-15 by replacing gasket in fuel distributor. % AD-74-2609  
By inspection of name plate & over stamping into #7. Check throttle, mixture alternate air & prop control. Replace induction air filter  
— CONT —



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	Check alternator belt for tension & security check exhaust & intake systems.			
	9-10-75	tach	936	TT 936
	I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100 hour</u> inspection and has been found to be in a air-worthy condition.		I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and has been found to be in a air-worthy condition.	
	Daniel B. Orona APP 1959262		Daniel B. Orona FA 1959262	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>6-7-76 tach reads 1020 change oil &amp; filter            Shell 100W50.</p>	<p><i>Daniel S. Clona</i></p>	
<p>9-13-76 Removed propeller for maintenance and reinstalled            see Capital Aviation Maintenance Release this date</p>	<p><i>AIP 1959262</i></p>	
	<p><b>This aircraft or component has been inspected and work described above found airworthy and approved for return to service.</b></p> <p>9-13-76 <i>Donald E. Hosacek</i></p>	<p>Date For Capital Aviation, Inc.            Repair Station #3760</p>



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-1-76	tach reads 1112. TT 1112 Change oil & filter Aerobull 80-W40. Clean gap & check plugs. Check Compression. Check harness & insulators Check Mag to eng timing clean fuel & oil screens. Replace Air Box. Adjust alternate Air Cable. Check throttle prop & Mixture controls. Check exhaust & intake systems. Check induction air filter Wash down eng & check for oil leaks -cont-			
Total To Carry Forward				



and Remarks

Signature

Certificate No.

Replace lower Rear Lord Mount, due to  
operation. Run-up & operational check O.K.

10-1-76 tach 1112 # 1112

I certify this ENGINE has been  
inspected in accordance with a  
100 hour inspection and has  
been found to be in a air-worthy  
condition. Daniel B. Orona

Aj P 1959262

I certify this ENGINE has been  
inspected in accordance with a  
ANNUAL inspection and has  
been found to be in a air-worthy  
condition.

Daniel B. Orona

IA 1959262



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-16-76	Remove & Reinstall prop. Daniel K. Crona A 3 P 1959262			
Total To Carry Forward				

and Remarks

Signature

Certificate No.

2-10-77 tach 1173 Change oil & Filter Aero Shell  
W65,

Daniel S. Cronin

A3 P 1959262



LEFT

## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-25-77	Tach 1280	T 1280		Change oil & filter Perrshell W65. Clean gap & check spark plugs Check harness & insulators. Perform Compression check. Wash down Eng & check for oil leaks. Check exhaust & intake systems. Replace air filter.
	10-25-77	Tach 1280	T 1280	
	I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and has been found to be in a <u>air-worthy</u> condition.			
Total To Carry Forward				Daniel J. Orma JA 1959 262



and Remarks	Signature	Certificate No.
<p>12-5-78 Tach 1372 # 1372 Check crank shaft run out after gear-up landing shaft within limits in accordance with Lycoming Overhaul Manual. Replace prop after overhaul &amp; replacement of blades with factory new units. Check track O.K. Replace alternator idler arm bracket &amp; resafety check cooling &amp; under side of nacelle.</p>	<p>Daniel B. Crona</p>	<p>ABP 1959262</p>



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-6-78	tach 1372 TT 1372			Change oil & filter Aeroshell W65 AD. Clean screens & check. Clean gap & check spark plugs. Check harness & insulators. Check Compression. Replace air filter. Check exhaust & intake systems. Check Throttle, mixture, Prop, alternate air & Cool flap controls. Clean injector nozzles. Check for oil leaks. Run-up check O.K.
	— cont —			
Total To Carry Forward				



and Remarks

Signature

Certificate No.

12-6-78 tach 1372 TT 1372

FORM 331D



DATE 10-25-78

### MAINTENANCE RELEASE TAG

NAME OF MFG. HANTZELL

PART NAME PROPELLER

~~PART NO.~~ ALL PIPER PA30-160

MODEL NO. HC-E2YL-2RB6F

SERIAL NO. BG 3843

LOT NO. N 8708Y (PROP CARRIED IN)

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF WORK PERFORMED ARE

ON FILE AT THIS AGENCY UNDER WORK ORDER NO. M56-3368-278

*Robert S. Smith*  
AirResearch Aviation Co.

For

- OVERHAULED
- REPAIRED
- MODIFIED
- TESTED ONLY
- CONVERTED
- ZERO TIMED
- CONTINUE TIME
- TSO \_\_\_\_\_
- TSN \_\_\_\_\_

Repair Station 3760 Springfield, Ill.



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12-26-79	Brought Forward →	TACH TIME 1457 hrs.	TOTAL TIME 1457 hrs.	
				CHANGED OIL & FILT. CLEANED OIL SCREENS
				S.A.E. 20W30. CHECKED EXHAUST & INTAKE
				MIXTURE, PROP., ALT. AIR, & COWL FLAP CONT.
				CHECKED AIR FILT. FOR CLEANLINESS. 1
				BOX & BETWEEN AIR FILT. BOX & CARB. AIR
				ING. TIGHTENED ALTERNATOR BELT. REM
				& ALTERNATOR IDLER PULLEY ADJUSTMENT
				TO ENGINE TIMING CHECK & FOUND SATISFA
				LINES & HOSES. RAN ENGINE UP & CHECKED C
Total To Carry Forward				for an annual inspection.



and Remarks	Signature	Certificate No.
<p>SCREENS. OIL CHANGED WITH AEROSHELL W GRADE 65            INTAKE SYSTEMS. CHECKED &amp; LUBRICATED THROTTLE,            FLAP CONTROLS. GAPPED &amp; PUT IN NEW SPARK PLUGS.</p>	<p>12.26.79 TMAH 1457 hrs.            I certify this <u>ENGINE</u> has been            inspected in accordance with a  <u>100 hr.</u> inspection and has            been found to be in a air-worthy            condition: <u>Todd L. Jackson</u>            AIP 485705660</p>	
<p>LINESS. REMOVED &amp; REPLACED AIR DUCTING INTO AIR FILT.            &amp; CARB. AIR BOX. AND ALSO ALTERNATOR COOLING AIR DUCT-</p>	<p>I certify this _____ has been            inspected in accordance with a            _____ inspection and has            been found to be in a air-worthy            condition.</p>	
<p>BELT. REMOVED &amp; REPLACED ALTERNATOR ATTACH BRACKET            JUSTMENT BRACKET. RAN COMPRESSION CHECK &amp; MAG.</p>		
<p>D SATISFACTORY. CHECKED GENERAL COND. OF OIL &amp; FUEL            CHECKED O.K. This was a 100 hr. inspection preparing</p>		



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
<p>Brought Forward →</p> <p><b>ALBIA FLYING SERVICE</b></p> <p><b>MUNICIPAL AIRPORT</b></p> <p><b>ALBIA, IOWA 52531</b></p> <p><b>Area 515 Ph. 932-7323</b></p>			<p>I certify that this engine was inspected in accordance with a <u>Annual</u> inspection and was determined to be in an air-worthy condition.</p>	
			<p>1875681 IA</p> <p>Jac. Brewer</p>	
7/18/86	Tach 1750			<p>Charged oil &amp; filter using Aeroshell 50w. Replaced Induct. Air filters for AD 84-26-02 due every 500 hrs. Comp 1-3-72 2-4-70</p> <p>I certify that this engine has been inspected IAW a 100 hr. inspection.</p>
Total To Carry Forward			<p>B. Jay Fletcher</p> <p>ALP480828846</p>	





# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance			
	This Date	Since Major		1	2	3	4
12-4-80	Brought Forward →	TOCH 1513 T.T. 1513		73/80	75/80	71/80	67/80
<p>100 hr inspection - checked magneto timing, ignition harness checked plugs, injectors air filters oiled engine controls tightened water box covers intake &amp; exhaust nuts checked v/d's found none outstanding to date changed oil 20-30 oil filter CH4110 washed down engine</p>							
<p>B. A. MARRIK</p>			<p>I certify this <u>engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and has been found to be in a air-worthy condition.</p>				
Total To Carry Forward		N/P 4F3789954					



and Remarks

Signature

Certificate No.

ALBIA FLYING SERVICE

MUNICIPAL AIRPORT

ALBIA, IOWA 52531

Area 515 Ph. 932-7323

I certify that this engine was inspected in accordance with a *Annual* inspection and was determined to be in an air-worthy condition.

1975681

IA

12/30/80 Joe Brewer



# ENGINE LOG

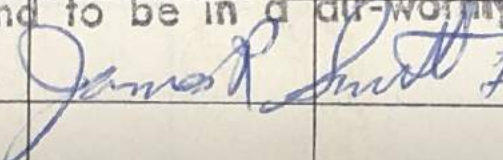
Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1-15-81	Brought Forward →	1535 hours		
	replaced front push rod tubes cylinders 1-2 with Iycoring replacement tubes p/n 68987-eneel			B.A. MADDOX A9P4R37R9974
Total To Carry Forward				



and Remarks	Signature	Certificate No.										
12-18-81 TACH 1592 TT 1592												
RETIMED BOTH MARS, REPLACED CRANK SHAFT SEAL												
REPLACED ALT BELT + ALT IDLER BEARING, DRAINED OIL												
+ CHANGED FILTER, SERVICED WITH AERO SHELL 65 OIL,												
CLEANED, GAPPED + TESTED PLUGS.	I certify this <u>ENGINE</u> has been											
<table border="0"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>COMPRESSION CR</td> <td><math>\frac{79}{80}</math></td> <td><math>\frac{79}{80}</math></td> <td><math>\frac{77}{80}</math></td> <td><math>\frac{79}{80}</math></td> </tr> </table>		1	2	3	4	COMPRESSION CR	$\frac{79}{80}$	$\frac{79}{80}$	$\frac{77}{80}$	$\frac{79}{80}$	inspected in accordance with a	
	1	2	3	4								
COMPRESSION CR	$\frac{79}{80}$	$\frac{79}{80}$	$\frac{77}{80}$	$\frac{79}{80}$								
8-5-82 TT 1626	<u>ANNUAL</u> inspection and has											
REPLACED FUEL INJECTION SERVO, REPLACED ALL	been found to be in a air-worthy											
FUEL TOIL LINES	condition: <i>James R. Smith</i>											
REPLACED LORD MOUNTS	<i>James R. Smith</i>											
	IA 2193044											
	IA 2193044											



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
2-14-83	TACH	1633		
REMOVED PROP FOR O/H + REINSTALLED TO C/W AD 77-12-06				
REPLACED ALT IDLER PULLEY, SHAFT & BEARING. C/W BENDIX				
AD 82-20-01 NA BY S/N MAG SN 997017 / 997018				
I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and has been found to be in a air-worthy condition.				
 JA 2193044				
Total To Carry Forward				



and Remarks

Signature

Certificate No.

3-22-84

TACH 1682 Changed oil & filter, serviced with Aero Shell  
50 w det oil, cleaned & gapped plugs, checked

timing, checked compression

$\frac{79}{80}$   $\frac{75}{80}$   $\frac{75}{80}$   $\frac{79}{80}$

I certify this engine has been  
inspected in accordance with a  
annual inspection and has  
been found to be in a air-worthy  
condition.

James R Smith  
1 A 2193044



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
April 4, 1985	Brought Forward →	A/C 1720		
	changed oil & filter, checked timing of mag's, clean & gapped plugs. checked compression $\frac{79}{80}$ $\frac{79}{80}$ $\frac{79}{80}$ $\frac{79}{80}$			
	I certify this <u>engine</u> has been inspected in accordance with a <u>annual</u> inspection and has been found to be in a air-worthy condition. <i>Jane Smith 1121930449</i>			A/S 50W Jet oil used.
				<div style="font-size: 4em; font-weight: bold;">NOTE</div> <div style="font-size: 2em;">→</div> <div style="font-size: 2em;">→</div>
Total To Carry Forward				



and Remarks

Signature

Certificate No.

The "left engine" annual is signed off by our authorized A+P & I.A. 5 pages forward of this page. Person unknown.

David J. Cypher  
C.F.I. Fairfield Aviation  
4/14/87



L+

# REMMERS AVIATION, INC.

MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION No. 304-28

Date 11-25-87 Tach 1768 Total 1768

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

W.O. Number 4451

Signed Gregory J. Gobbe AP481825330 FOR CRS-304-28

Changed oil + filter, refilled w/ aeroshell 65w  
Cleaned suction screen, fuel inlet screen, fuel injectors. Cleaned gapped and tested spark plugs.  
Cracked Exhaust Stack from #2 cylinder repaired by welding, reinstalled w/ new gaskets. Replaced 2 spark plugs. Run up and leak check OK.

### Differential Compression Test

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

~~ELT Battery Due Date~~

~~Propeller Time~~

	Hours	Min.
L.		
P.		

~~Heater Time~~

Hours	Min.



# REMMERS AVIATION, INC.

MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION No. 304-28

Date 12-23-88 Tach 1807 Total 1807

I certify that this Engine has been inspected in accordance with a 100hr.  
inspection and was determined to be in airworthy condition.

W.O. Number 4673

Signed Tim Bruck AEP 481741766

changed oil & filter, serviced with  
Aeroshell 65W oil Aeroshell.

cleaned, gapped and tested all  
spark plugs. checked mag to engine timing.

### Differential Compression Test

#1	#2	#3	#4	#5	#6
80 78	80 76	80 70	80 74	80 X	80 X



**REMMERS AVIATION, INC.**  
 MUNICIPAL AIRPORT, BURLINGTON, IOWA  
 F.A.A. APPROVED REPAIR STATION No. 304-28

Repair Station RMMR 664H

Date 4-26-90 Tech 1818 Total 1818

I certify that this Engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

W.O. Number 4908

Signed Tim Brunck AIP 481741766

changed oil & filter, serviced  
 deoskell 50w oil. checked mag  
 to engine timing, cleaned, gapped  
 and tested spark plugs. Replaced  
 Reppired wire to CHT probe.

**Differential Compression Test**

#1	#2	#3	#4	#5	#6
76	75	76	75	75	75



Ut.

# REMMERS AVIATION, INC.

MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION NO. \_\_\_\_\_

Repair Station RMMR 664H

Date 4-30-91 Tach 1829 Total 1829

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

W.O. Number 5105

Signed Gregory D. Goble AP48R25330/A

Differential Compression Test					
#1	#2	#3	#4	#5	#6
30	30	30	30	30	30
20	20	20	20	20	20

ENGINE INSPECTED IAW PIPER FORM # 230-209, CHECKED MAG TO ENGINE TIMING AFTER REMOVAL INSPECTION AND REINSTALLATION FOLLOWING COMPLIANCE WITH AD 78-09-07 R3 BENDIX IMPULSE COUPLING MAGS 54LN-21 S/N 997018, S/N 997017 INSPECTION NEXT DUE IN 500 HRS, C/W AD 90-04-06 GOVERNOR OIL LINE INSPECTION BY INSTALLATION OF NEW GOVERNOR OIL LINE WITH STEEL FITTINGS AND REPLACEMENT OF 90° ELBOW WITH STEEL 90° FITTING PER LYCOMING SERVICE BULLETIN 488A. ENGINE GROUND RUN AND LEAK CHECKED, CHANGED OIL AND FILTER, CLEANED SUCTION SCREEN, REFILLED WITH AEROSHELL 100W, ADS CHECKED THRU 91-07 SEE LIST IN REAR OF LOG FOR AD STATUS



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-11-92	Brought Forward →	1850.3 TT	1850.3 TAC	
Compression Test	Changed oil refilled with 8qts Aerashell 100W50 and changed filter			
#1 78/80	p/n 48110 Inspected and cleaned oil suction screen Tightened oil return			
#2 70/80	clamps. Replaced #2 rocker cover gasket Inspected all wiring and fluid			
#3 70/80	fittings. Made lead test. Inspected, cleaned, gapped, and rotated spark			
#4 77/80	plugs. Checked timing Retimed left mag to 25° Inspected points cleaned			
	air filter. Tightened intake tube clamps. Cleaned injector nozzles Pressure			
	tested fuel system. Inspected alternate air door operation. Lubed and inspected			
	engine controls. Inspected exhaust system Inspected case and mounts			
	for condition. Removed and Replaced alternator idle pulley bracket. Washed			
Total To Carry Forward		engine down, run up and leak test ok. A/D's current thru 92-08M		

Heath Benjamin A/P 482-92-2777



and Remarks

Signature

Certificate No.

8-4-93 tach 1869.7 total 1869.7

Changed engine oil and filter refilled w  
Aeroshell 100W, cleaned suction screen, inspected  
engine mts, case accessories for cracks, leaks security  
check mag to engine timing, point gap and condition  
clean gap and test spark plugs. replace  
two spark plugs. pressure check exhaust syst.  
check fuel and oil hoses for leaks, hoses  
due replacement @ TBO. inspect prop for  
security, leaks, pressure test fuel system  
AD 93-02-05 fueling lines due inspection at ~~1878~~  
1878 hrs.



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-4-93	Brought Forward →			Review ADS through Biweekly
1869.7	93-12		Total Time <u>1869.7</u>	Date <u>8-4-93</u>
Compression 1 $\frac{7}{80}$ 3 $\frac{7}{80}$ 2 $\frac{7}{80}$ 4 $\frac{7}{80}$	AD List In Back of Right engine Log		I certify that this <u>Engine</u> has been inspected in accordance with a/ <u>100hr</u> inspection and was determined to be in airworthy condition.	<u>Gregory Hobbs AP481825330</u>
8-17-93	1869.8	—	1869.8	inspect fuel system AD 93-02-05 (6-14-93) - metal clamps and stand off brackets per Lye S/B 342A. next inspection due in 100hrs or @ annual, engine off or any time, fuel lines are loosened
Total To Carry Forward				

Gregory Hobbs AP481825330
— SEE AD.



and Remarks

9-27-94 Yach, 1983 hrs.

Signature

Certificate No.

Changed Oil & Filter 8 Qts Arvashell W65  
 New Points Both mags Installed & timing set  
 Cleaned Gapped & rotated Plugs, Cleaned Fuel Screens & serviced Air filter  
 Inspected Exhaust System,  
 Removed & reinstalled #2 cylinder After Repair By AERO  
 All new gaskets & seals used  
 C/WAD 9362-05 Inspected Fuel Injection lines.

APs reviewed thru 94-17

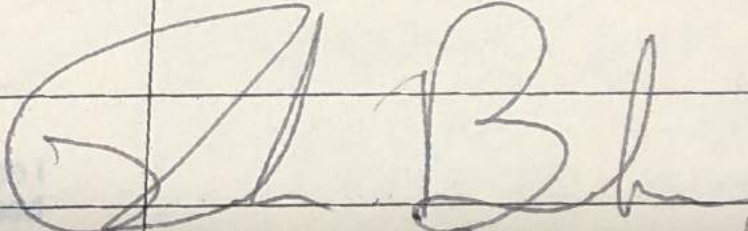
Eng.

I certify that this aircraft has  
 been inspected in accordance with an  
Annual inspection and was  
 determined to be in airworthy 4693  
 condition. WO #  
 Date 9-27-94 Time 1883  
 Signed Robert D. Popejoy for A#485605296FA

Cindner Aviation Inc. OSR991C



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1/2/96	LEFT.	1886.97 TT	INSPECTED IN ACCORDANCE WITH	
			AN 100 HOUR INSPECTION, AND RETURNED TO	
			AIRWORTHY CONDITION, c/w AD 93-02-03 BY	
			INSPECTION, CHANGED OIL & FILTER <sup>15</sup> / <sub>50</sub> AEROSHELL	
			COMPRESSION ARE MID TO HIGH 70'S	
				
			RICHARD BARKER ALP 2455243	
Total To Carry Forward				



1917

1917

1917

I certify this engine has been  
 inspected and found in  
 good condition.

Robert H. Cummings  
 Inspector



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1 July 96	1888.0	RH Tach		
	Replaced 4ea Intake Hoses, Replaced 4ea Intake gaskets, Replaced 1 Rocker Box Gasket, cleaned Fuel Injectors, removed + cleaned + gapped all spark plugs. Test Run Comp MAC OK Actt Released For Flight.			
		Robert L. Cummings AFD 479700917 IA RLC Cummings		
Total To Carry Forward				



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
17 FEB 97	TT1896.1			<p>Removed spark plugs, cleaned &amp; regapped.                      Compression #1-74 #2-73 #3-72 #4-79 CK                      Timing serviced with 8qts Aero Shell 15-50                      Replaced Oil Filter Champion 48110, cleaned                      fuel &amp; oil screens. Filed, sanded &amp; painted props.                      I certify this engine has been inspected                      I/A/W an Annual Inspection &amp; was determined                      to be in airworthy condition.</p>
Total To Carry Forward				Robert H. Cummings AIP 4797009171A <i>Robert H. Cummings</i>



and Remarks

Signature

Certificate No.

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits by Zephyr Aircraft Engines, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. Reassembled in accordance with manufacturer's current overhaul manual. engine test run. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. A description of these repairs is on file at this agency under:

W.O. No. 97058

DATED 4/24/97

MFG. TEXTRON LYCOMING

MODEL IO-320-B1A

Serial No. L-4081-55A

Time in svc. \_\_\_\_\_

**ZEPHYR**  
*Aircraft*  
**ENGINES INC.**

F.A.A. APPROVED REPAIR STATION #VI4R597M

(813) 788-3305 • Fax (813) 788-4412  
39320 Avenue B • Zephyrhills, FL 33540



Authorized Signature



## ENGINE LOG

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

The Accessories Listed Below Were Supplied With This Engine

ENGINE: IO-320-B1A SN. L-4081-SSA DATE 4/24/97

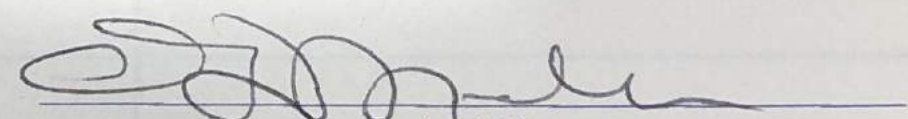
	P/N	S/N		
RT. MAG	10-51360-37	997018	NEW <input type="checkbox"/>	O/H <input checked="" type="checkbox"/>
LT. MAG	10-51360-37	997017	NEW <input type="checkbox"/>	O/H <input type="checkbox"/>
ALT/GEN	ALX-8403	6A000035	NEW <input type="checkbox"/>	O/H <input checked="" type="checkbox"/>
INJ/CARB	2524145-11	19592/35	NEW <input type="checkbox"/>	O/H <input checked="" type="checkbox"/>
FUEL PUMP	LW-15473	N/A	NEW <input checked="" type="checkbox"/>	O/H <input type="checkbox"/>
STARTER	149-12LS	F2L 300375	NEW <input checked="" type="checkbox"/>	O/H <input type="checkbox"/>
TURBO CHARGER	N/A		NEW <input type="checkbox"/>	O/H <input type="checkbox"/>

F.A.A. APPROVED REPAIR STATION #VI4R597M

### Zephyr Aircraft Engines, Inc.

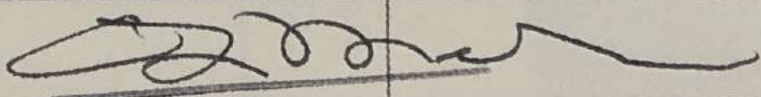
Municipal Airport  
39320 Avenue B • Zephyrhills, FL 33540

W.O. No. 97058

  
 Authorized Signature

Carry Forward  
Installed 5/16/97 Robert A. Harper  
AP2016133 TT1908



and Remarks	Signature	Certificate No.
<p><del>7/1/47</del> First oil change after major OH @ 1918  or 10 hrs / filter replaced - Act open oil  oil filter - no metal fragments found</p>	<p>Hubbell Devere</p>	
<p>11/4/47 Mineral oil drained + filter repl. (Shell 50W detergent - 7 qts)  @ 1955 TT on track. Filter resp. clean</p>	<p>Hubbell Devere</p>	
<p>3/5/98 RECORD OF OIL INDICATES A.D. 97-15-11  NOT APPLICABLE BY PRODUCTION DATE OF  Piston Pin</p>		
	<p>Zephyr Aircraft Engines Inc.  CRS #VI4R597M</p> <p></p>	





## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3, '4, 98	Brought Forward →	TT 1967		Cleaned & Gapped plugs CK Magtyming, Changed oil & Filter, CK Compression, I have Inspected this Engine I/A/W Annual Inspection and was Found to be in Airworthy Condition Robert A. Harper IA2016133
9.30-98	1989TT	815MOH		Changed oil & Filter / <del>17 gals</del> 15W50 <del>Arrol</del> Cleared Spark Plugs CK Compression Changed oil Cut Filters CK Eng Controls, Exhaust. I have inspected this Engine I/A/W Annual inspection and Found it to be in airworthy Condition
TT 2020	3, 27 99			Robert A. Harper IA2016133
Total To Carry Forward				



and Remarks	Signature	Certificate No.
TT 2036 6,20,00 Checked Compression, plugs, Exhaust mount + Eng controles I have inspected THIS Engine I/A/W Annual Inspection and was Found to be in Airworthy Condition Robert A. Harper FA 2016133		
11-18-00 TT 2044 Changed oil + filters	A/Sherd 100 + 50W + <sup>added</sup> 20 blend	



# (L) ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/14/99	Brought Forward →	121 hours	2029	oil and filter changed -
5,4,01	Cleared Spark Plugs checked Compression changed oil + Filter, I have inspected this engine IAW Annual inspection and was found to be in Airworthy Condition			
TT 2067	Robert A. Harper IA2016133			
11/11/01	Rechanged + Repl w A/Shell 50W Plus 7qts			
5 <del>2</del> <sup>2</sup> 02	Changed oil + Filter cleaned & Gapped Plugs checked Compression & Mag timing. I have inspected this engine IAW Annual inspection and was found to be in Airworthy Condition Robert A. Harper IA2016133			
Total To Carry Forward		TT	2088	



and Remarks

Signature

Certificate No.

*OIL ANALYSIS REPORT*  
filter cut open, clean repl w/ 15W50 *Alredap*  
w

@ 2078 TT



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/14/02	Brought Forward →	0/4 @ 1908 203 SMOH	TT 2111	oil changed Repl w/ 15W40
TT 2129	5, 2, 03	Cleaned + Gapped plugs	Checked	Compression, Changed oil + Filter I have inspected
This Engine I/A/W Annual Inspection and was Found To be in Airworthy Condition Robert A. Harper IA 2016133				
TT 2144	5, 25, 04	Cleaned + Gapped plugs	CK Compression	Changed oil + Filter I have Inspected this Engine I/A/W and was Found to be in Airworthy Condition Robert A. Harper AI 2011133
Total To Carry Forward				



and Remarks

Signature

Certificate No.

*Astell 100*







and Remarks

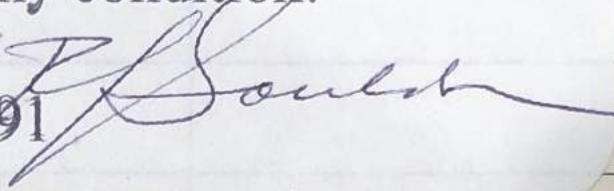
Signature

Certificate No.

02-06-06 Tach Time 2169.0 SMOH 251.0 Left engine, all spark plugs replaced with new . Timing checked at 25 BTC. Compression readings: #1-69; #2-74; #3- 72; #4-76 All over/80. I certify that this engine and propeller have been inspected in accordance with an ANNUAL Inspection and found to be in Airworthy condition.

R. Goulds

IA, 2695591



03-01-07 Tach 2177. SMOH 259 Timing checked 25BTC; Compression #1-70 #2-73

#3-72 #4-75 all over 80; I certify that this engine has been inspected IAW

an ANNUAL Inspection & found to be in Airworthy Condition. AD's thru 04-14-10

CI complied with. New Exhaust extensions installed IAW SA 264850 - Form 337 Submitted

IA 2695591







and Remarks

Signature

Certificate No.

**LEFT ENGINE**

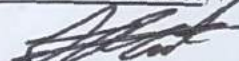
**N8708Y TACH: 2,185.34 TSMO: 0267.3 DATE: 28 MAY 10**

DRAINED OIL, REPLACED OIL FILTER CH 48103, SERVICED ENGINE WITH 8 QTS AEROSHELL W 100 OIL CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING. PERFORMED DIFF. COMPRESSION TEST.

#1=68/80 #2=73/80 #3=70/80 #4=77/80

COMPLIED WITH ALL AD'S, SEE LIST

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

 A&P 2683817 IA  
SORBI AIRCRAFT MAINTENANCE SAN DIEGO, CA

**LEFT ENGINE**


**N8708Y TACH: 2,192 TSMO: 273.96 DATE: 7 AUG. . 2012**

DRAINED OIL, REPLACED OIL FILTER CH48110, SERVICED WITH 8 QTS OF AEROSHELL W 100. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING. CLEANED FUEL INJECTORS REPLACED. PERFORMED DIFF COMPRESSION TEST

#1=62/80 #2=77/80 #3=70/80 #4=77/80

COMPLIED WITH ALL AD'S. SEE LIST

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

 A&P 2683817 IA  
SORBI AIRCRAFT MAINTENANCE SAN DIEGO, CA



# ENGINE LOG

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

**LEFT ENGINE**


**N8708Y TACH: 2,193.2 TSMO: 275.16 DATE: 21 MAY 2014**

DRAINED OIL, REPLACED OIL FILTER CH48110, SERVICED WITH 8 QTS OF AEROSHELL W 100. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING. CLEANED FUEL INJECTORS REPLACED. PERFORMED DIFFERENTIAL COMPRESSION TEST

#1=63/80 #2=79/80 #3=68/80 #4=75/80

COMPLIED WITH ALL AD'S. SEE LIST

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.


A&P 2683817 IA  
**SORBI AIRCRAFT MAINTENANCE** SAN DIEGO, CA



and Remarks

Signature

Certificate No.

**SORBI AIRCRAFT MAINTENANCE**

**SAN DIEGO, CA**



**N8708Y**

**LEFT POWERPLANT: IO-320-B1A**

**S/N L-4081-55A**

**DATE: 24 OCT 2016 TACH: 2194.4 TSMO: 0276.3**

**MAINTENANCE ENTRIES:**

Complied with an annual inspection in accordance with Piper PA-30-160 maintenance manual.  
Performed cylinder differential pressure test. 1= 74/80 2=68/80 3= 68/80 4= 65/80  
Complied with AD 2015-19-07, no discrepancies noted at this time. Next due at tach: 2294.4  
Drained engine oil and replaced filter PN: AA48110-2.  
Serviced engine with 7Qts. of aeroshell 15W-50  
Took oil sample for analysis.  
Cleaned and tested all sparkplugs, no discrepancies found.

**MAINTENANCE RELEASE:**

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

SIGNED

A handwritten signature in black ink, appearing to be a stylized name.

CERTIFICATE

**A&P 2683817 IA**

SORBI AIRCRAFT MAINTENANCE - 8690 AERO DRIVE, SUITE 115 - SAN DIEGO, CA 92123



# ENGINE LOG

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



**N8708Y LEFT ENGINE: LYCOMING IO-320-B1A S/N L-4081-55A**  
**DATE: JAN. 2, 2018 TACH: 2198.0 TSMO: 279.9 CYCLES: N/A**

**ENGINE ENTRIES:**

Complied with an **ANNUAL INSPECTION** in accordance with Piper PA-30 Service Manual.  
 Cylinder compression check: #1=73 #2=76 #3=74 #4=76  
 Removed and inspected oil filter, no metal contamination  
 Installed filter PN: 48110  
 Serviced with 7 qts of Aeroshell 15W50.  
 Revised all Airworthiness Directives, see report.  
 Engine operational check satisfactory.

**MAINTENANCE RELEASE:**

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

SIGNED \_\_\_\_\_

CERTIFICATE \_\_\_\_\_

**A&P 2683817 IA**

Total Tach  
Carry Forward













RIGHT  
8708Y

RIGHT  
ENGINE LOG  
LOG BOOK NO. 1



PIPER AIRCRAFT CORPORATION







see LT Engine Log for AD List

# ENGINE LOG

PIPER AIRCRAFT CORPORATION

General Offices at  
Lock Haven, Pennsylvania  
U. S. A.

Part No. 230 716







# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	3-31-69		<p>TACT TIME 44.7 HOURS. REMOVED            PROP GOVERNOR SERIAL # 7992T;            INSTALLED NEW GOVERNOR SERIAL #            9660T. ADJUSTED PROP CONTROLS &amp;            CHECKED ENGINE STATIC RPM.              Ronald E Peterson            AIP 1593743</p>
Total To Carry Forward				



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	50 e		
3-30	44:00	44:00		
3-31	45:00	45:00		
4-2	47:00	<del>47:00</del>		
4-6	54:00	8:00		
4-8	64:00	18:00		
4-20	89:00	43:00		
5-5	121:00	20:00		
5-11	134:00	33:00		
5-12	137:00	36:00		
Total To Carry Forward				







# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	500		
6-11	243:00	1:00		
6-15	250:00	8:00		
6-17	252:00	10:00		
6-18	254:00	12:00		
6-19	257:00	15:00		
6-22	260:00	18:00		
6-23	263:00	21:00		
7-1	280:00	38:00		
7-2	288:00	46:00		
Total To Carry Forward				



and Remarks

Signature

Certificate No.

Date: 6-11-69 Tach: 242 Hrs TT: 242 Hrs

I certify that this ENGINE has been inspected in accordance with a 100 Hk. inspection and was determined to be in air-worthy condition. Other details of this inspection are on file at this facility under WO# 2470

Signed: Reginald Van Cirkum A-P1305968

DES MOINES FLYING SERVICE, INC.  
MUNICIPAL AIRPORT, DES MOINES, IOWA

CHANGED OIL & FILTER ARCO SHELL #100

F.A.A. APPROVED REPAIR  
STATION NO. 3782  
LIMITED AIRFRAME  
RADIO CLASS I & II

DIFFERENTIAL COMPRESSSION CHECK

#1	#2	#3	#4	#5	#6	#7	#8	#9
80	80	80	80	80	80	80	80	80
76	76	76	76					



DO NOT WRITE

and Remarks

Signature

Certificate No.

Date: 8-12-69 Tach: 349 Hrs TT: 349 Hrs

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in air-worthy condition. Other details of this inspection are on file at this facility under WO# 2748

REPLACED VACUUM PUMP DRIVE SEAL

Signed: Reginald Van Tilburg A-P1305968

DES MOINES FLYING SERVICE, INC.  
MUNICIPAL AIRPORT, DES MOINES, IOWA

F.A.A. APPROVED REPAIR  
STATION NO. 3782  
LIMITED AIRFRAME  
RADIO CLASS I & II

CHANGED OIL FILTER AMCOSHELL #100

DIFFERENTIAL COMPRESSSION CHECK

#1	#2	#3	#4	#5	#6	#7	#8	#9
80	80	80	80	80	80	80	80	80
73	75	76	76					



and Remarks	Signature	Certificate No.
<p>1-13-70 Tach. Reads 459 hrs. - Washed down engine, checked all controls, drained oil and installed new oil filter, installed all new REM 40 E spark plugs, Retimed magnetoes, Installed new air filter. Checked exhaust system, installed gaskets on oil filter.</p>		
<p>I certify That This engine has been inspected in accordance with a 100 hr. insp. &amp; was determined to be in an airworthy condition.</p>		
<p>M. A. Winn</p>		
	<p>ASP 1083238</p>	



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
<p>I certify that this aircraft has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition. WO # <u>7713</u>            Date <u>2 Sept 1970</u> T. Time <u>554</u>            Signed <u>A. R. Ricker</u> for  <b>CLARK AIRCRAFT REPAIR INC.</b>            FAA approved repair station <u>3332</u>            Ph 319 524 3753 Keokuk, Ia. 52632</p>				
	Charged oil - replaced filter element			
	Checked mag points & timing			
	Clean & gap plugs			
	clean fuel filters			
	Total To Carry Forward			



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-30-71	Brought Forward →	TACH READING 670hrs		CHANGED oil & Filter Refilled with AEROSTHEL oil w. Compression check #1 <sup>71/100</sup> #2 <sup>71/100</sup> #3 <sup>78/100</sup> #4 <sup>79/100</sup> . Cleaned AND checked ALL SPARK Plugs. CHECK PROP Dome Press. CHECKED MAG POINTS AND MAG TO Engine Timing BOTH MAGS. I certify THAT THIS Engine HAS BEEN Inspected IN ACCORDANCE WITH A 100hr Inspection THIS DATE AND TACH READING 670hrs AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION.
Total To Carry Forward				<div style="text-align: right; font-size: 1.2em;">                     Carroll E. Johnson                      AEP #1954645                 </div>



and Remarks	Signature	Certificate No.
10-2-71 TAC 670 I certify this engine was inspected in accordance with a Annual inspection & determined to be in a Airworthy Condition	D. E. Laf TA 1824966	
11-3-71 TACIT READING 67 hrs checked PROP Dome Pressure - checked OK	Carron E Johnson	
	AEP # 1854645	



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10/31/72	Brought Forward →	Tack Time: 714		Changed oil + filter oil: AeroShell W 80 Replaced air filter, Replaced Rocker Box cover Gaskets #1+3 cyl, Replaced Points + condenser BOTH mags. Check Prop Dome Pressure. C/W A.D. 72-15-2 alternator fan By installation of part # 902241 fan ass. I certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition.  James W. Baker ATP 1944927
Total To Carry Forward				



and Remarks

Signature

Certificate No.

11-16-73 Tach reads 772 Change Oil & Filter  
(AERO-Shell W65) Remove cowling & check for  
~~for~~ for oil leaks and general security,  
check induction & Exhaust system, check mag  
points, re time right mag to engine, repair  
alternate air bracket, check Air filter replace  
all Spark Plugs & check harness check Prop  
dome Pressure.

I certify this ENGINE has  
been inspected in accordance  
with a 100 hour inspection & has  
been found Air worthy.

Daniel B. Orona ATP 1959262



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-10-74	Tach reads 829		Change oil & filter. (Aero-Shell W65)	
	Clean gap & check plugs. Check harness & insulators. perform Compression check Replace air filter. Check alt air. Clean screen check for oil leaks. Check intake & exhaust systems. Check general security & cleanliness clean injector nozzles			
			I certify this <u>Engine</u> has been inspected in accordance with a <u>100 hour</u> inspection and has been found to be in an air-worthy condition.	
			Daniel B. Crona A001959262	
Total To Carry Forward				



1875681



and Remarks	Signature	Certificate No.
<p>I certify that this engine was inspected in accordance with a <i>Annual</i> inspection and was determined to be in an air-worthy condition.</p>		
	<p>1875681 IA  <i>Jan Brewer</i></p>	







and Remarks	Signature	Certificate No.
<p>9-10-75 tach reads <sup>TT 936</sup> 936 change oil (New-Shell 100W50) + filter. Clean gap &amp; check spark plugs. Check harness &amp; insulators. Check mag to engine timing. Perform Compression check. Clean fuel &amp; oil screens, clean injector nozzles. adjust idle mixture, Check for fuel &amp; oil leaks. Wash down eng. %W AD 75-09-15 by replacing gasket in fuel distributor. %W AD 74-26-09. By inspection of name plate &amp; over staming with #17. Check throttle mixture alternate air &amp; prop control. Replace induction air filter. Check alternator belt for</p>		
-CONT-		



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	security & tension. Check exhaust & intake system			
	9-10-75	tach	936	TT 936
	I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100 HOUR</u> inspection and has been found to be in a air-worthy condition. <i>Daniel B. Orona</i>		I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and has been found to be in a air-worthy condition. <i>Daniel B. Orona</i>	
	AIP 1959262		IA 1959262	
Total To Carry Forward				



and Remarks	Signature	Certificate No.
6-7-76 tach 1020. <del>B</del> change air filter Shell 100W50.		
	Daniel Corona	
	AIP 1959262	



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-1-76	tach reads 1112. TT 1112. change oil & filter Aero. Shell 80W40. clean gap & check plugs. check compression. check harness & insulators check mag to eng timing. clean fuel & oil screens repair air box & adjust alternate air cable. check throttle prop & mixture controls. check exhaust & intake systems. check induction air filters. wash down engine, check for oil leaks.			
	— CONT —			
Total To Carry Forward				



and Remarks

Signature

Certificate No.

Run-up & operational check OK.

10-1-76 Tach 1112. TT 1112

I certify this ENGINE has been inspected in accordance with a 100 hour inspection and has been found to be in a air-worthy condition. Daniel B Orona

AIP 1959262

I certify this ENGINE has been inspected in accordance with a ANNUAL inspection and has been found to be in a air-worthy condition.

Daniel B Orona

IA 1959262







Maintenance

and Remarks	Signature	Certificate No.
2-10-77 Tach 1173 Change oil & filter Wbs	Daniel B Orona AIP 1959262	Per shell
4-1-77 Tach 1194 Replace STARTER with Starter	Daniel B Orona AIP 1959262	Remanufact

The Aircraft and/or  
and inspected in ac  
found airworthy for  
file at this Agency u



R:GHT

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10-25-77	tach 1280	TT 1280		Change oil & Filter aeroshell w65 Clean gap & check spark & plugs Check harness & Insulators, perform Compression Check Wash down Eng. Check for oil leaks. Check exhaust & intake systems Replace air Filter, Replace Eng load mount lower left rear.
10-25-77	tach 1280	TT 1280.		I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNAI</u> inspection and has been found to be in a air-worthy condition. Daniel O. Luna FA1959267
Total To Carry Forward				



and Remarks	Signature	Certificate No.
<p>12-5-78 tach 1372 TT 1372 check Crank shaft  run-out after - gear-up landing shaft within  limits in accordance with Lycoming Overhaul  Manual. Replace prop after Overhaul &amp; Replacement  of blades with factory new units. Check track  OK Replace alternator idler arm bracket &amp;  safely check coating &amp; underside of nacelle</p>	<p>Daniel B. Croner</p>	<p>A&amp;P 1959262</p>



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12-6-78	Tach 1372 Brought Forward →	TT 1372		
	Aeroshell W65 AD. Clean & Check Screens Clean gap & check spark plugs. Check harness & insulators. Check Compression. Replace air filter Check exhaust & intake systems. Check throttle mixture, Prop, alternate air & carb flap controls Clean injector nozzles check for oil leaks Replace Manifold pressure line Run-up check Ok.			
				CONT
Total To Carry Forward				



and Remarks

Signature

Certificate No.

12-6-78 July 1372 # 1372

I certify this engine has been inspected in accordance with a Annual inspection and has been found to be in a air-worthy condition.

*Daniel B Orona*

FA 1959262



# ENGINE LOG


Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12.26.79	Brought Forward →	TACH TIME 1457 hrs. TOTAL TIME 1457 hrs.		
				CHANGED OIL & FILT. CLEANED OIL SCREENS. OIL
				ERAL GRADE 65 SAE. 30 OIL. RAN COMPRESSION CH
				CESSIVE RING LEAK SO REPLACED BOTH COMPRESSION
				SYSTEMS. CHECKED & LUBRICATED THROTTLE, MIXTURE, P
				GAPPED & PUT IN NEW SPARK PLUGS. CHECKED AIR
				AIR DUCTING INTO AIR FILT. BOX AND BETWEEN AIR
				NATOR COOLING & DUCTING. TIGHTENED ALTERNATOR B
				CHECKED GENERAL COND. OF IGNITION HARNESSSES &
				WASHED BOTH ENGINES & COWLS. RAN ENGINE UP & C
Total To Carry Forward				inspection preparing for an annual.



and Remarks	Signature	Certificate No.
<p>5. REEFS. OIL CHANGED WITH AEROSHELL STRAIGHT MIN-          COMPRESSION CHECK AND FOUND #4 CYLINDER TO HAVE AN EX-          BOTH COMPRESSION &amp; OIL CONTROL RING. CHECKED EXHAUST &amp; INTAKE</p>	<p>I certify this <u>ENGINE</u> has been          inspected in accordance with a  <u>100-hr.</u> inspection and has          been found to be in a air-worthy          condition. <i>Todd J. Jackson</i>          AEP 485705660</p>	
<p>TITLE, MIXTURE, PROP., ALTERNATE AIR, &amp; COWL FLAP CONTROL.          GS. CHECKED AIR FILT. FOR CLEANLINESS, REMOVED &amp; REPLACED          TO BE TWEEN AIR FILT. BOX &amp; CARB. AIR BOX. AND ALSO ALTER-          D ALTERNATOR BELT. CHECKED MAG. TO ENGINE TIMING.</p>	<p>I certify this _____ has been          inspected in accordance with a          _____ inspection and has          been found to be in a air-worthy          condition.</p>	
<p>ON HARNESSSES &amp; INSULATORS AND OIL &amp; FUEL HOSES &amp; LINES          ENGINE UP &amp; CHECKED O.K. This was a 100-hr          annual.</p>		



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
<p><b>ALBIA FLYING SERVICE</b>  <b>MUNICIPAL AIRPORT</b>  <b>ALBIA, IOWA 52531</b>  <b>Area 515 Ph. 932-7323</b></p>			<p>I certify that this engine was inspected in accordance with a <u>Annual</u> Inspection and was determined to be in an air-worthy condition.</p>	
			1875681	JA
				
Total To Carry Forward				



and Remarks	Signature	Certificate No.
2.14-83 TACH 1633		
REMOVED PROP FOR O/H & REINSTALLED TO/QUAD 77/12/86		
REPLACED ALT IDLER PULLEY, SHAFT & BEARING. CW BENDIX		
AD 82-20-01 M/A BY SN MAG SN 997068 / 997064		
<p>I certify this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and has been found to be in a air-worthy condition.</p> <p>James R. Smith IA. 2193044</p>		



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance			
	This Date	Since Major		1	2	3	4
12-4-80	Brought Forward →	TAC 4513 T.T. 1513		1	2	3	4
		<p>100 hr inspection, replaced right engine vacuum pump, &amp; oil sending unit, &amp; starter drive checked magnets timing, ignition harness, cleaned plugs, injectors, air filters, oiled all engine controls tightened all rocker box covers, intake &amp; exhaust nuts checked via found non-rotating to date. changed oil with new shell 20-30 oil filter. checked down engine - end</p>		70/80	67/80	72/80	67/80
		<p style="text-align: center;">B.A. MADDIX A/P 453789974</p>		<p>I certify this <u>engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and has been found to be in a air-worthy condition.</p>			
Total To Carry Forward							



and Remarks

Signature

Certificate No.

ALBIA FLYING SERVICE

MUNICIPAL AIRPORT

ALBIA, IOWA 52521

Area 515 Ph. 932-7323

I certify that this engine was inspected in accordance with a *visual* inspection and was determined to be in an air-worthy condition.  
~~determined to be in an air-worthy condition.~~

1875681 FA

<sup>12</sup>/<sub>30</sub>/80 Joe Bauman



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1-15-81	Brought Forward →	1535 tach		
				replaced front push rod tubes on no. 1-2 cylinders with hycorning tubes p/n 6F987-und
				S.A. MAPPING A/P 483789974
Total To Carry Forward				



and Remarks

Signature

Certificate No.

12-18-81 TACH 593 TT 1593

RETIMED RH MAG, REPLACED ALT FAN + BELT.

REPLACED CRANKSHAFT SEAL, REPLACED "O" RING

ON OIL QUICK DRAIN. DRAINED OIL + CHANGED FILTER

SERVICED WITH AEROSHELL 65 OIL, CLEANED, GAPPED

+ TESTED PLUGS. COMPRESSION CHECK

1	2	3	4
78	78	77	78
<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>

I certify this ENGINE has been inspected in accordance with a ANNUAL inspection and has been found to be in a air-worthy condition.

James R. Smith  
JA 2193044



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-22-54	Brought Forward →			
TACH 1683	Replaced alternator belt, changed oil + filter, serviced with AeroShell 50W oil, cleaned + gapped plugs, checked compression		$\frac{78}{80}$ $\frac{79}{50}$ $\frac{79}{50}$ $\frac{75}{50}$	checked
Timing	I certify this <u>engine</u> has been inspected in accordance with a <u>Annual</u> inspection and has been found to be in a air-worthy condition.			
Total To Carry Forward				

James R. Smith  
FAA 193014



and Remarks

Signature

Certificate No.

April 4, 1985 Truck 1722

changed oil & filter, serviced with #5 50w det oil, checked  
mag timing, cleaned & gapped plugs, checked compression

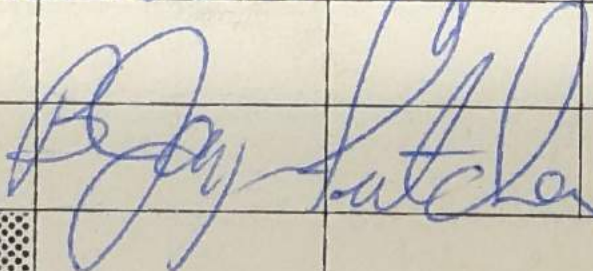
$\frac{77}{80}$   $\frac{79}{80}$   $\frac{79}{80}$   $\frac{78}{80}$

I certify this engine has been  
inspected in accordance with a  
annual inspection and has  
been found to be in a air-worthy  
condition.

James R. Smith  
LA 2193044



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7/18/86	Tach 1750			
Changed oil & filter using Aeroshell 50w. Changed Induction Air filter for AD 84-26-02 reqd every 500 hrs. Replaced Alternator idler pulley. Lapped mixture plates and set idler and mixture Comp. 1,2,3-72 4-19. Replaced Attension belt. I certify this engine has been inspected IAW a 100 hrs. Inspector and found to be in airworthy condition.				
 <span style="font-size: 1.2em; margin-left: 20px;">#18587884</span>				
Total To Carry Forward				



124

# REMMERS AVIATION, INC.

MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION No. 304-28

Date 11-25-87 Tech 1770 Total 1770

I certify that this ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.

W.O. Number 4451

Signed Gregory Dobbh AP48825330-FORCRS 304-28

Changed oil & filter refilled w/ Aeroshell 65w  
Cleaned suction screen, fuel inlet screen, fuel injectors. Cleaned gapped and tested spark plugs. Repaired engine baffle seals. Run up leak check OK.

### Differential Compression Test

#1	#2	#3	#4	#5	#6
70	72	74	76	78	80







# REMMERS AVIATION, INC.

MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION No. 304-28

Date 12-23-88 Tach 1807 Total 1807

I certify that this Engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

W.O. Number 4673

Signed Tim Duvick AXP481741766

changed oil & filter, serviced with decoshell 65w oil cleaned, gapped and tested all spark plugs. Checked mag to engine timing.

### Differential Compression Test

#1	#2	#3	#4	#5	#6
80 / 76	80 / 78	80 / 76	80 / 76	80 / X	80 / X



**REMMERS AVIATION, INC.**  
MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION No. 304-28

Repair Station RMMR 664R

Date 4-26-90 Tech 1818 Total 1818

I certify that this Engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition.

W.O. Number 4900

Signed Jim Brunck ACP 481741766

changed oil & filter, serviced with Derushell 50w oil, checked mag to engine timing Replaced one spark plug, cleaned, gapped and tested rest. Replaced wire to CHT probe. #2 exhaust stack repaired by welding.

**Differential Compression Test**

#1	#2	#3	#4	#5	#6
30	30	30	30	30	30
76	76	70	74		30



Rt.

# REMMERS AVIATION, INC.

MUNICIPAL AIRPORT, BURLINGTON, IOWA  
F.A.A. APPROVED REPAIR STATION ~~Repair Station~~ RMMR 664H

Date 4-30-91 Tach 1829 Total 1829

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.  
W.O. Number 5105

Signed Gregory J. Schell AP4818253301A

### Differential Compression Test

#1	#2	#3	#4	#5	#6
<del>30</del>	<del>30</del>	<del>30</del>	<del>30</del>	<del>30</del>	<del>30</del>
<u>10</u>	<u>16</u>	<u>12</u>	<u>10</u>	<del>30</del>	<del>30</del>

ENGINE INSPECTED IAW PIPER FORM 230-209  
 CHANGED OIL + FILTER, CLEANED SUCTION  
 SCREEN, REFILLED WITH AEROSHELL 100W, CHECKED MAG TO ENGINE  
 TIMING AFTER COMPLIANCE WITH AD 78-09-07 R3 BENDIX  
 IMPULSE COUPLING INSPECTION NEXT DUE IN 500HRS, MAGS  
 INSTALLED 54LN 21 S/N'S 997068, 997064 INSPECT GOVERNOR  
 OIL LINE PER AD 90-04-06 NO DEFECT FOUND ALL CLAMPS  
 IN PLACE, REPLACED ALL ENGINE SHOCK MOUNT BUSHINGS  
 WITH NEW, RETORQUED AND INSTALLED IN ACCORDANCE  
 WITH PA30 SERVICE MANUAL. AD'S CHECKED THRU 91-07  
 SEE LIST IN REAR OF LOG FOR AD STATUS. ENGINE BROUN  
 RUN AND LEAK CHECKED SATISFACTORY.



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-11-92	Brought Forward →	1850.3 TT	1850.3 TR	Changed oil; refilled with 8 qts Acrosshell
				Compression test 100 w/50 and changed filter. P/N 48110. Inspected and cleaned oil suction screen.
#1 <sup>70</sup> / <sub>80</sub>				Inspected and tightened oil return lines. Replaced #1, #3 rocker cover gaskets.
#2 <sup>72</sup> / <sub>80</sub>				Inspected all wiring and terminals. All fluid lines and fittings. Made lead test. Inspected
#3 <sup>78</sup> / <sub>80</sub>				cleaned gapped and rotated spark plugs. Checked timing. Inspected points.
#4 <sup>74</sup> / <sub>80</sub>				cleaned air filter. Tightened intake tube clamps. Cleaned injector nozzles.
				Pressure tested fuel system. Inspected alternate air door operation. Inspected and
				lubed engine controls. Inspected exhaust system. Inspected case and mounts
				for condition. c/w Ad 91-14-22 By replacing governor external oil line assembly
				with P/N 75167 incorporating steel fittings. Replaced #1 and #3 intake gaskets
Total To Carry Forward				washed engine down, run up, leak test, ok Ad's current thru 92-08m Keith Benjamin A/P 482-92-2777



and Remarks

Signature

Certificate No.

8-5-93 tach 1869.7 total 1869.7

changed engine oil and filter refilled w/

Aeroshell 100w. Cleaned suction screen, inspected engine mounts, case, accessories for cracks, leaks and security.

check mag to engine timing. Replace points and condenser

on Rt. engine Lt mag points plw 10-35 7174 condenser plw

ES 10-51676. check points on Rt mag. Cleaned, gapped and

tested spark plugs. ~~pressure~~ pressure check exhaust system.

check fuel and oil hoses for leaks. pressure tested fuel

system \* AD 93-02-05 fuel injection lines due for

inspection at 1878 hrs. Compression test #1  $\frac{78}{80}$  #2  $\frac{76}{80}$  #3  $\frac{77}{80}$

#4  $\frac{75}{80}$  + →



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-5-93	Brought Forward →			Reviewed ADs thru. Bi-weekly 93-12
1869.7				Revision 93-16L and 93-15M
<p style="font-size: 1.2em; font-weight: bold;">AD List in Back of Log book</p>		Total Time <u>1869.7</u> Date <u>8-5-93</u>		
		I certify that this <u>Engine</u> has been inspected in accordance with a/an <u>100hr</u> inspection and was determined to be in airworthy condition.		
<p style="font-size: 1.2em; font-weight: bold;">AD List in Back of Log book</p>		<del>Signature</del>		J. Doug Leichner A+P484885012
		<del>Signature</del>		
8-17-93	1869.8		1869.8	Inspected fuel system per AD 93-02-05 (6-14-93) install clamps and standoff brackets per Lye. SB 342A. Reinspect
Total To Carry Forward				



and Remarks

Signature

Certificate No.

@ each 100hr/annual or 1/2 or whenever  
fuel lines are removed. Gregory Dobbie  
AP481825330

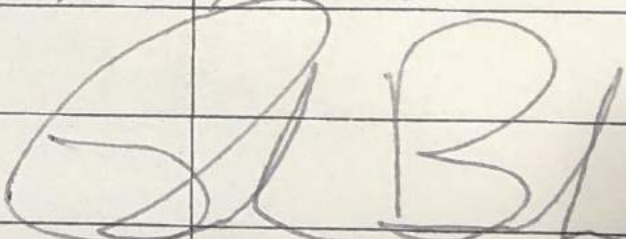


# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-27-94	Brought Forward →	1883 hrs		
Changed Oil & Filter 8 qts AeroShell GS-W Checked mag points & timing. Cleaned gapped & rotated plugs Cleaned fuel screens & serviced air filter. Inspected EX system Inspection performed Per Piper Insp. Form # 230-299 C/WAD 93-6805 Inspected Fuel Injection lines ADS Reviewed thru 94-12				
Eng. I certify that this aircraft has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. WO# <u>4693</u> Date <u>9-27-94</u> T-Time <u>1883</u> Signed <u>[Signature]</u> for <u>Herold Popjoy AD# 485665796IA</u> Lindner Aviation Inc. CSLR991C				
Total To Carry Forward				



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1/2/96	RIGHT	1886.97 TT		INSPECTED IN ACCORDANCE WITH AN 100 HOUR INSP. FOUND TO BE IN AIRWORTHY CONDITION c/w AD 93-02-05 BY INSPECTION, CHANGED OIL AND FILTERS AEROSHELL 15/50. 1) # 77/80    2) # 78/80    76/80    74/#80
				 ALP 2455243 RICHARD BARKER
Total To Carry Forward				



and Remarks	Signature	Certificate No.
<p>1/2/96 1886.97 I certify this engine has been inspected I/A/W a annual inspection and found to be in airworthy condition.</p> <p>Robert h. Cummings ATP 479 70 0917 IA <i>Robert h. Cummings</i></p>		



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1 July 96	1888.1	LH Tach		
	Replaced 4ea Intake Hoses, Replaced 4ea Intake gaskets, Replaced Alternator, Alternator Belt 4ea Locker Box gaskets, 1ea Spark Plug, 1 Hose Clamp, cleaned Fuel Injectors removed & cleaned & gapped all spark plugs, Test run Comp MOC OK Acft Released for Flight. Robert H. Cummings AFD 479 700917 IA R.H. Cummings			
Total To Carry Forward				



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
17 FEB 97	TT 1896.1			
	Removed spark plugs, cleaned + reapped, Compression #1-75 #2-76 #3-78 #4-72 CK Timming Serviced with 8qts Aero Shell 15-50 Replace Oil Filter Champion 48110, cleaned fuel + oil screens, Filed, sanded + painted props. I certify this engine has been inspected I/A/W an Annual Inspection + was determined to be in airworthy condition.			
Total To Carry Forward				

Robert H. Cummings  
 AIR 479700912IA  
*Robert H. Cummings*



301 3-4743

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits by Zephyr Aircraft Engines, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. Reassembled in accordance with manufacturer's current overhaul manual. engine test run. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. A description of these repairs is on file at this agency under:

W.O. No. 97057

DATED 4/24/97

MFG. TEXTRON LYCOMING

MODEL IO-320-B1A

Serial No. L-4129-55A

Time in svc. \_\_\_\_\_



F.A.A. APPROVED REPAIR STATION #VI4R597M

(813) 788-3305 • Fax (813) 788-4412  
39320 Avenue B • Zephyrhills, FL 33540

Authorized Signature




# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

The Accessories Listed Below Were Supplied With This Engine

ENGINE: IO-320-B1A SN. L-4129-SSA DATE 4/24/97

	P/N	S/N	NEW <input type="checkbox"/>	O/H <input type="checkbox"/>
RT. MAG	10-51360-37	997064	NEW <input type="checkbox"/>	O/H <input checked="" type="checkbox"/>
LT. MAG	10-51360-37	997068	NEW <input type="checkbox"/>	O/H <input checked="" type="checkbox"/>
ALT/GEN	N/S		NEW <input type="checkbox"/>	O/H <input type="checkbox"/>
INJ/CARB	2524145-11	3385	NEW <input type="checkbox"/>	O/H <input checked="" type="checkbox"/>
FUEL PUMP	LW-15473	N/A	NEW <input checked="" type="checkbox"/>	O/H <input type="checkbox"/>
STARTER	149-12LS	F2L 30074	NEW <input checked="" type="checkbox"/>	O/H <input type="checkbox"/>
TURBO CHARGER			NEW <input type="checkbox"/>	O/H <input type="checkbox"/>

F.A.A. APPROVED REPAIR STATION #VI4R597M

## Zephyr Aircraft Engines, Inc.

Municipal Airport  
39320 Avenue B • Zephyrhills, FL 33540

W.O. No. 97057



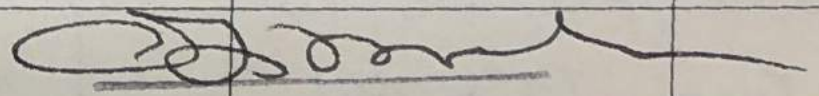
Authorized Signature

Installed	5,16,97	Robert A. Hansen AP 2016133
Total To Carry Forward	TT 1908	



and Remarks	Signature	Certificate No.
7/7/97 Just oil chg after major OH @ 1918 or 10 hrs / filter replaced - Cut open old oil filter - no fragments of metal found	John Baker Owner	
11/11/97 Mineral oil drained + filter repl. (Shell 50W detolugent 245) @ 1955 TT on tach. Filter insp / clean	John Baker owner	
3/5/98 RECORD OF OVERHAUL INDICATED A.D 97-15-11 N/A BY PRODUCTION DATE OF PINS		


Zephyr Aircraft Engines Inc.  
CRS #VI4R597M





(2)

# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3 14 98	Brought Forward →	TT 1967		Cleaned + gapped plugs, CK Mag timing, Changed oil + Filters, CK Compression I have Inspected this Engine I/A/W Annual Inspection and was found to be in Airworthy Condition Robert A. Harper IA 2016133
9-30-98	1989 TT	81 smol		changed oil + filter / 79 hrs Annual 150-50 John Blumgren • cleaned plugs CK Compression changed oil cat filter CK Eng Controls, Exhaust. I have inspected this Engine I/A/W Annual inspection and was found to be in airworthy Condition TT 2020 3 27 99 Robert A. Harper IA 2016133
Total To Carry Forward				



and Remarks	Signature	Certificate No.
TT 2036 <sup>4</sup> 5,20,00 checked Compression, plugs, Exhaust mount + Eng Controles. I have inspected This Engine I/A/W Annual inspection and was Found in Airworthy Condition Robert A. Hansen IA 2016133		
11/18/08 TT 2044 Change oil + filter Alskel 100 + 50W		added oil blend



(R) ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/14/99	Brought Forward →	121 smoh	2029	Oil and filter changed
5,4,01	Cleaned plugs			Checked Compression Changed oil & Filter, I have inspected This Engine I/A/W Annual Inspection and was Found to be in Airworthy Condition +T 2067 Robert A. Harper IA 2016133
11/11/01	Oil changed + Appl w/ A Shell 50W Plus 7qts			
5 <del>2</del> 02	Changed oil & Filter			Checked Compression checked Mag timing, Cleaned & Gapped Plugs I have Inspected This Engine I/A/W Annual inspection & Was Found to be in Airworthy Condition Robert A. Harper
Total To Carry Forward			IA 2016133	TT 2088



and Remarks

OIL ANALYSIS REPORT

Signature

Certificate No.

filter cut-off - clean Kplu/15W50 Shell  
TV

© 2018 TT



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11/14/02	Brought Forward →	0/40 1908 203 SMOH	TT2111	Oil changed - Replw 15W40
TT2129	5,203	Clean + Gapped	plugs, CK	Compression
Changed oil + Filter. I have inspected this engine I/AW Annual Inspection and was found to be in Airworthy Condition Robert A. Harper IA2016133				
TT2144	5,25,04	Cleaned + Gaped	plugs	Checked
Compression Changed oil + Filter I have inspected this engine I/AW Annual Inspection and was found to be in Airworthy Condition Robert A. Harper IA2016133				
Total To Carry Forward				



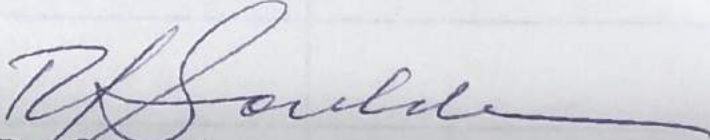
and Remarks

Signature

Certificate No.

*Asheboro*

02-06-06 Tach Time 2169.0 SMOH 251.0 Right engine, all spark plugs replaced with new. Timing checked at 25 BTC. Compression readings: #1-76; #2-75; #3-72; #4-76 All over /80. I certify that this engine and propeller have been inspected in accordance with an ANNUAL inspection and found to be in Airworthy condition.

  
R. Goulds  
IA, 2695591

3-01-07 Tach 2177 - TIMING 25 BTC; Compression #1-75 #2-74 #3-73 #4-75 all over 80  
I certify that this engine has been inspected in accordance with an ANNUAL inspection and found to be in Airworthy Condition. A) thru 04-10-14 RI check for compliance. R. Goulds IA 2695591



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
3-1-07	2177	Installed new exhaust stack Extension IAW STC SA264850		
		Form 337 submitted. Weight change negligible. T. J. Gould		
				IA 2695591
5-19-08	T.T. 2182.0	SMO14 274	Compression #1-77 #2-78 #3-78 #4-78 all	
			over 80 Timing checked 25° BTC. I certify that this	
			engine has been checked IAW an ANNUAL Inspection	
			and found to be in Airworthy condition. All AD's	
			through 04-10-1401 have been checked for	
			compliance T. J. Gould IA 2695591	
Total To Carry Forward				



and Remarks

Signature

Certificate No.

**RIGHT ENGINE**


**N8708Y TACH: 2,184.83 TSMO: 0266.8 DATE: 28 MAY 10**

DRAINED OIL, REPLACED OIL FILTER CH 48103, SERVICED ENGINE WITH 8 QTS AEROSHELL W 100 OIL CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING. PERFORMED DIFF. COMPRESSION TEST.

#1=73/80 #2=74/80 #3=75/80 #4=76/80

COMPLIED WITH ALL AD'S, SEE LIST

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

 A&P 2683817 IA

**SORBI AIRCRAFT MAINTENANCE**

**SAN DIEGO, CA**

**RIGHT ENGINE**

**N8708Y TACH: 2,191 TSMO: 272.97 DATE : 7 AUG.. 2012**

DRAINED OIL, REPLACED OIL FILTER CH48110, SERVICED WITH 8 QTS OF AEROSHELL W 100. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING. CLEANED FUEL INJECTORS REPLACED. PERFORMED DIFF COMPRESSION TEST.

#1=68/80 #2=71/80 #3=72/80 #4=74/80

COMPLIED WITH ALL AD'S. SEE LIST

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

 A&P 2683817 IA

**SORBI AIRCRAFT MAINTENANCE**

**SAN DIEGO, CA**



# ENGINE LOG

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

**RIGHT ENGINE**

**N8708Y TACH: 2,192.5 TSMO: 274.47 DATE : 21 MAY 2014**

DRAINED OIL, REPLACED OIL FILTER CH48110, SERVICED WITH 8 QTS OF AEROSHELL W 100. CLEANED, GAPPED, TESTED & ROTATED SPARK PLUGS. CHECKED MAG TIMING. CLEANED FUEL INJECTORS REPLACED. PERFORMED DIFFERENTIAL COMPRESSION TEST.

#1=75/80 #2=71/80 #3=73/80 #4=72/80

COMPLIED WITH ALL AD'S. SEE LIST

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

  
**SORBI AIRCRAFT MAINTENANCE**

**A & P 2683817 IA**  
**SAN DIEGO, CA**



and Remarks

Signature

Certificate No.

**SORBI AIRCRAFT MAINTENANCE**

**SAN DIEGO, CA**



**N8708Y**

**RIGHT POWERPLANT: IO-320-B1A**

**S/N L-4129-55A**

**DATE: 24 OCT 2016 TACH: 2193.7 TSMO:0275.6**

**MAINTENANCE ENTRIES:**

Complied with an annual inspection in accordance with Piper PA-30-160 maintenance manual.

Performed cylinder differential pressure test. 1= 72/80 2=64/80 3= 75/80 4= 64/80

Complied with AD 2015-19-07, no discrepancies noted at this time. Next due at tach: 2294.4

Drained engine oil and replaced filter PN: AA48110-2.

Serviced engine with 7Qts. of Aeroshell 15W-50

Took oil sample for analysis.

Cleaned and tested all sparkplugs, no discrepancies found.

**MAINTENANCE RELEASE:**

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

SIGNED

A handwritten signature in black ink, appearing to be 'A&amp;P 2683817 IA'.

CERTIFICATE

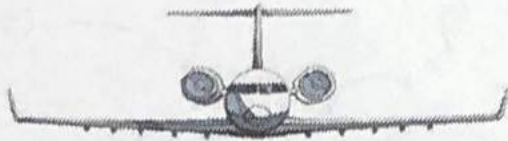
**A&P 2683817 IA**

SORBI AIRCRAFT MAINTENANCE - 8690 AERO DRIVE, SUITE 115 - SAN DIEGO, CA 92123



# ENGINE LOG

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



**N8708Y      RIGHT ENGINE: LYCOMING O-320-B1A      S/N L-4129-55A**  
**DATE: JAN. 2, 2018      TACH: 2197.2      TSMO: 279.1      CYCLES: N/A**

**ENGINE ENTRIES:**

Complied with an **ANNUAL INSPECTION** in accordance with Piper PA-30 Service Manual.  
 Cylinder compression check: #1=74 #2=73 #3=74 #4=76  
 Complied with **AD 80-04-03**. No discrepancies noted. **Next due at tach: 7525.0**  
 Removed and inspected oil filter, no metal contamination  
 Installed filter PN: 48110  
 Serviced with 7 qts of Aeroshell 15W50.  
 Revised all Airworthiness Directives, see report.  
 Engine operational check satisfactory.

**MAINTENANCE RELEASE:**

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

SIGNED \_\_\_\_\_

CERTIFICATE \_\_\_\_\_

ARP 2683817 IA

Total  
Carry Forward









