

ENGINE LOG

P

SECTION III

N9338P

PER AIRCRAFT CORPORATION

Book 1

ENGINE LOG

PIPER AIRCRAFT CORPORATION

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

Part No. 230 716

ENGINE DESCRIPTION

Manufacturer: Lycoming Div. of Avco, Serial No. L-2410-48
Williamsport, PA Horsepower: 260
 Model: JO-540-N1A5 FAA T. C. No. 1E4

Engine Accessories	Serial No.	Weight
VAC PUMP AIRBORNE 211 CC	1 D 558	
LM49 SGLN 200	SN 1001386 PN 10-163010-10	
RM49 SGLN 204	SN 1006206 PN 10-163059-9	
OIL FILTER CH48110		
OIL RADIATOR HARRISON	SN 72E-351 AT098 AU06-04	
THROTTLE BODY BENDIX RESAS ADI	SN 28976 PN 2524458-3	
AC EVY FUEL PUMP		

[illegible]

[illegible]

and Remarks

Signature

Certificate

Date 9-5-69 time in service Tsch 49.02

I certify that this aircraft and/or engine has been inspected in accordance with a 100 H/R inspector and was determined to be in Airworthy Condition.

Mechanic's Signature Larry Schuler

Certificate Number 1284264

- 1) Bottom Cowling Patches
- 2) Push Rod Seals & Rocker Box Covers -
Baskets Cyl #1 & 2 Replaced.

12 Qts Esso "E" oil SAE 50

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-21-70	Brought Forward →		122	I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. DATE <u>5-21-70</u> T. T. IN SERVICE <u>122</u> SIGNATURE <u>Kurt Wagner</u> # <u>1A 1161318</u>
	1. oil changed			
	2. Filter changed			
	3. Plugs cleaned & Gapped			
6-12-70	Tach	130.9	Replaced alternator.	
R.O.#	9-0723	Reading	Aviation Service Red	
Bank N.J.	Repair station #	1122	John Geier	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

I certify that this aircraft ()
or engine (✓) has been inspected
in accordance with a periodic ()
or (100) hour inspection and was
determined to be in airworthy
condition. Date 5-8-71

Total time aircraft _____

Total time engine 128.6

WO # 5384

F.A.A. Approved Repair Station #1060

Airframe _____ Radio _____

General Avionics & Aero Services Inc.

Signature John Gaier

pipe #2. Routine service + lube. — END —

Oil changed + filter changed
Plugs cleaned + gapped

Replaced crankshaft seal

Replaced push rod housing seals

3 4 5 + 6 cyls and all

rocker box gaskets. Replaced

gasket on oil filler neck

Welded crack in exhaust

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
6-9-71			181.9	Installed new starter
8-14-71			188.18	Replaced armature in starter motor. Robin
10-12-71			242.70	oil CHANGED + Filt. CLEANED + GAPPED PLUGS #4 + #6 Cyl. Rocker.
Total To Carry Forward				

and Remarks

Signature

Certificate No.

General Lewis H Miller IA-155263

John A+P 1742212

CHANGED

REPLACED

GAS KEYS - END -

John E. Langman Iowa A+P 1591803

ENGINE LOG

Date	Engine Time		Recorder Reading	
	This Date	Since Major		
	Brought Forward →			
I certify that this aircraft () or engine (<i>it</i>) has been inspected in accordance with a periodic () or (<i>100</i>) hour inspection and was determined to be in airworthy condition. Date <i>5-25-72</i>				
Total time aircraft <i>303.3</i>				
Total time engine <i>303.3</i>				
<i>WC # 6610</i>				
F.A.A. Approved Repair Station #1060				
Airframe ----- Radio				
General Avionics & Aero Services Inc.				
Signature <i>John Geier</i>				
Total To Carry Forward				

Oil changed + filter change
Plugs cleaned + gapped
Reset magnet timing
Replaced #1 + 6 rocker gaskets
Replaced insulator on #2 bottom
ign. lead. some minor corrections
Routine service + lube. - Eng.

and Remarks

Signature

Certificate No.

2-K-13 TACH 366.18 OIL CHANGED + FILTER CHANGED
PLUGS CLEANED + GAPPED.

James P. Feagunberg A.P. 1571003

I certify that this aircraft ()
or engine (✓) has been inspected
in accordance with an annual (),
or 100 hour inspection and was
determined to be in airworthy
condition. Date 5-12-73

Total time aircraft _____

Total time engine 366.5

WO# 7286

E.A.A. Approved Repair Station #1060

General Aero & Avionics, Inc.

Signature

John Geier

Oil changed + filter changed
Plugs cleaned + gapped
Replaced #1 + 3 rocker gaskets.
c/w AD 72-15-2 - replaced
alternator cooling fan
Routine service + lube.

END

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2-5-74	Brought Forward →		406.	50 hour check completed
Oil changed + filter changed. (SHELL 65W)				
wo #7789 General Aero + Avionics Inc. R.S. 1060				
To Forward				

and Remarks

Signature

Certificate No.

I certify that this aircraft ()
 or engine (X) has been inspected
 in accordance with an annual (X)
 or 100 hour inspection and was
 determined to be in airworthy

condition. Date 6-6-74

Total time aircraft

Total time engine 516:28

F.A.A. Approved Repair Station #1060
 General Aero & Avionics, Inc.

Signature


 Chief insp

Inspection performed as per Repair Check
list, with an oil change, filter change

all plugs are cleaned and gapped,

Retimed both magnetos, replaced
 exhaust gaskets on Rt side cyls

1-3 & 5. 1 Dressed and painted

prop, replaced fresh air duct,

Replaced rocker cover gaskets on

cyls # 1-3 & 5. Compression checked #1

65-78/

80 #2

75-78/

80 #3

76-76/

80

#4 76-78/ 80 #5 79-70/ 80 #6 75-78/ 80.

AD 73-7-4 not due untill 2000 hrs AD

73-10-2 Fuel servo not applicable.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-1-74	Brought Forward →	564 1/2		Replaced and sealed thermostatic by-pass valve. Adjusted oil pressure. Changed oil & filter 12 qt Shell 5040.
				<i>Robert H. Payne</i>
	The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Perinent details of the repair are on file at this Repair Station under work order:			
	No. 2308		Date 8-1-74	
Total To Carry Forward		Signed <i>Robert H. Payne</i>	for Rep. Sta. 1233	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
				(Compression CK. Changed oil to
1	79/80			screen, cleaned + gapped plugs, ch. me
2	79/80			chd. prop press., cleaned prop., chd
3	78/80			exhaust stack, replaced muffler,
4	79/80			gasket, replaced Eng. mounts, replaced
5	79/80			G-B. gaskets, chd. all ignition leads,
6	78/80			adj. mixture + gov.
ward				

and Remarks

Signature

Certificate No.

After - found 12 gals of fuel - Still 30 ASD, cleaned suction
 etc. & timing, replaced air filter, cleaned gasolator,
 fuel up for tank, replaced starter battery, replaced left
 replaced #1 #2 #4 #6 intake hoses, replaced #6 exhaust
 C.P.R. seal, replaced #2 #4 #6
 cleaned in nozzles & screens,

NEW HAVEN AIRWAYS, INC.
 TWEED - NEW HAVEN AIRPORT
 NEW HAVEN, CONN. 06512

F.A.A. Rep. Sta. No. 1233 W.O. 239379

I certify that this aircraft engine has been
 inspected in accordance with a 9 ANNUAL
 inspection and has been found
 airworthy.

Date 10/1/74 A/C Total Time 615

Engine Total Time 615 T.S.M.O.

Signature R.C. Urquhart Title Asst.

Date

This Date

Since Major

Brought
Forward →

X6 4375

~~Charged with father~~~~to get a full 529 ID - Charge & get paid up~~~~Charged in myles~~~~Harold H. Page~~~~Replaced & kept up~~~~IP 1766072~~**NEW HAVEN AIRWAYS, INC.****TWEED-NEW HAVEN AIRPORT****NEW HAVEN, CONN. 06512**Total To
Carry Forward

and Remarks

Signature

Certificate No.

11-8-74 - 62877 - Removed prop due to oil
leak - repaired at Sennebeck Corp - reinstalled &
safed. Maint release tag attached. Removed
fuel servo due to fuel leak @ mixture shaft -
unit overhauled & tested at Mattituck Airbase
Installed unit & adjusted idle speed & mixture.
Ran up & flight ck - OK.

Arnold R. Payer

1A1766042

NEW HAVEN AIRWAYS, INC.

TWEED-NEW HAVEN AIRPORT

NEW HAVEN, CONN. 06512

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1-3-75	Brought Forward →	672	TIME - Changed oil & filter - 22 qts 30AD Shell.	
				Donald R. Page
				101746072
Total To Carry Forward				

and Remarks

Signature

Certificate No.

48-75 - 787 7.7. - Compression ch. 1. 72/80 - 2. 78/80 - 3. 70/80 -
 4. 72/80 - 5. 78/80 - 6. 79/80 - Changed oil & filter - 10 qts
 Shell 30W - cleaned suction screen - cleaned & gapped
 spark plugs - cleaned air outlets - ch mag points &
 timing - cleaned air filter - cleaned injector screen &
 nozzle - cleaned, painted & guarded prop - ch cond
 tank & lubed - ch fuel system for leaks - C/W Bendix
 Service Bulletin RS-43 by replacing flow divider
 gasket - C/W AD 74-26-9 - both mags R/A by P/W -
 adjusted idle speed & mixture - run up satisfactory

O/E/P

Maintenance

Date

Engine Time

Recorder
Reading

This Date

Since Major

Brought
Forward →

NEW HAVEN AIRWAYS, INC.
TWEED NEW HAVEN AIRPORT
NEW HAVEN, CONN. 06512

F.A.A. Rep. Sta. No. 1233 W.O. 3020

I certify that this aircraft engine has been
inspected in accordance with ANNUAL inspection and has been found
airworthy.

Date 4-8-75 A/C Total Time 727

Engine Total Time 727 T.S.M.O.

Signature Charles H. Pope Title Inspector

ward

and Remarks

Signature

Certificate No.

Special Starter - 1st

T.V. 737 4/14/75

John C. Upton

col 2060149

NEW HAVEN AIRWAYS, INC.

TWEED-NEW HAVEN AIRPORT

NEW HAVEN, CONN. 06512

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6-8-2	Brought Forward →	818 TACH TIME	Compression	A-1-78/80
	2-77/80	3-75/80	4-76/80	5-78/80
			6-78/80	Changed
			oil & filter - 12 qts Shell 5070	Cleaned & grepped
			plugs - cleaned	ign - ck mag points & timing - clean
			air filter - cleaned	injector screens - cleaned,
			painted & greased prop - ck control trans & lubed	
			ch fuel system for leaks - cleaned inject	repacked
			replaced exhaust gasket - replaced #6 P. R. seals	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

AC 229850

Customer File Stub

**ENGINE
(AIRCRAFT-RECIPROCATING)**

Aircraft/Engine No.

9338P

Date Mailed

5/29/70

airworthy.

Date 6-2-75 A/C Total Time 818

Engine Total Time 1818 T.S.M.O.

Signature Arnold R. Rye Title Inspector

Date	This Date	Since major	
2005-07	Brought Forward →	892	Removed and replaced electric boost pump - installed Dukes model conversion kit. <i>Donald R. Taylor</i>
			<i>AVP-1766072</i>
			NEW HAVEN AIRWAYS, INC.
			TWEED - NEW HAVEN AIRPORT
			NEW HAVEN, CONN. 06512
			F.A.A. Reg. No. 1233 W.O. 3469
			I certify the aircraft engine has been inspected in accordance with a <i>annual</i> inspection and has been found airworthy.
			Date <i>8-8-75</i> A/C Total Time <i>925</i>
			Engine Total Time <i>925</i> T.S.M.O. <i>—</i>
Total To Carry Forward			Signature <i>John J. Gault</i> <i>AVP 1886749</i>

Foster & Gregory #2060189

9338 J
8-2-75

Aircraft/Engine No.

Date Mailed

Customer File Stub

ENGINE
(UNICRAFT - REPRODUCTION)

227650

Filter, used 125s Amsoil 50 A.D., cleaned & tapped
plugs, checked mags & timing, cleaned injection
screen, checked control travel & lubed, adjusted
exhaust crack, replaced #6 exhaust gasket, adjusted
mixture control, replaced flow limiter & cleaned
injection nozzles.

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8/12/75			930	
			Replaced injector assembly:	
			John A. [Signature]	
			at 2060189	
To Forward				

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Sept 12			951.7	Oil changed this date cleaned. Filled
Oct 11			990.2	Oil changed, filter Filled with 12 qts New Spark Plugs (BC-SR)
Dec. 26/75			1029.0	Oil changed, filter ch 12 qts 30AD Pennzoil
March 20/76			1066.6	Oil changed 12 qts repla cleaned screen
Total To Carry Forward				

and Remarks

Signature

Ce

Filter Changed and screen
12 qt Pennzoil 50 A.D.
changed, screen cleaned
50 A.D Pennzoil
(installed this date)
screen cleaned. Filled with

Pennzoil 50 A.D. Changed Filter

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	JAN. 12, 1975	T.T. 1035 HOURS	REPLACED POINTS & CONDENSERS BOTH MAGS, DISTRIBUTOR BLOCK AND REAR BEARING RIGHT MAG. FRONT BEARING LEFT MAG NEEDS REPLACEMENT. William Long AFD 1352232
H-15-76			1069:38	REMOVED FOR OVERHAUL. METAL CONTAMINATION. Grillmudt CRS 1373
To Forward				

and Remarks

Signature

Certificate No.

AIRFRAME POWERPLANT, INC.

Terry Capehart

Tack Time: 1069.38

MENA, ARK. 71953

(501) 394-4702
394-4415

June 1, 1976

Major overhauled Lyc. engine 10-540-N1A5, ser.# L-7410-48 in accordance with Lyc. overhaul manuel. Magnafluxed all steel parts, Zygloed Alum. parts. Cyls exchange chrome by Texas Aircraft and Engine Ent. (see tags) Fuel injection, Starter and Alternator overhauled by Aircraft Fuel Injection Service. Dallas Texas. (see tags) Overhauled Magnetos using new parts as necessary. Installed new parts in engine as follows: Crankshaft gear screw, counter weigh pin, plates, snap rings and bushings. Major overhaul gasket set. Crankcase dowl pins. Rod bolts, nuts and bearings. Main bearing set. Hydro bodies and Units (assy) Camshaft. Oil presure relief valve and spring. Magneto drive bearings. Idler shaft bolts. Piston pin plugs. Rocker arm shafts. Fuel Pump. Intake hose, Oil drain hose. Ignition harness, spark plugs. Oil filter. Exhaust and Intake valve Guides. Exhaust valves. Exhaust and Intake valve Keepers. Pistons (balanced) Piston ring set. Exhaust and Intake valve Sprin

Cont. next page

Date

Engine Time

Recorder

AIRFRAME POWERPLANT, INC.

Terry Capehart

MENA, ARK. 71953

(501) 394-4702
394-4415

Cont. from previous page.....

Engine to be installed and test run in accordance with Lyc. overhaul manual and Chrome Plate Bull.#101-70. Using NON DET OIL. Oil and filter to be changed on or before tack time of: 1085.00. Engine run on test stand for approx. 45 min. Released to service.

AD NOTES: Bendix 73-7-4
74-26-9
Lyc. 75-08-9
71-5-2

Terry Capehart

ADP 1726107

.....END.....

and Remarks

Signature

Certificate No.

15-76
Tach 1062.

Engine S/N - F-7410-48 installed
in PA-24-260 N9338P S/N 24-4836

using new engine mount bushings, exhaust
gaskets. Serviced engine with 12 qts 50 wt
non-detergent oil. Test run completed
per Igo. overhaul manual and Chrome
Plate Bulletin #, 01.70. Aircraft Test flown
1.0 hr satisfactorily. Sani w/o 3731.

Michael J. Townsend
ADS 1373.

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7/17/76			1081.7	Oil changed, Filter 12 qts Aero Shell 50
10/16/76			1126.7	Oil changed, Filter ch 12 qts Aero Shell
11/25/76			1155.2	Oil & Filter changed 30 AD added.
1/23/77			1177.3	Oil & Filter cha Aero Shell 30 AD
Total To Carry Forward				

and Remarks

Signature

Certi

changed, Screen cleaned.

Deteguards Tom Mitchell

Screen cleaned

50AD Tom Mitchell

Screen cleaned, 12 qt Aero Shell
Tom Mitchell

Cleaned Screen, add 12 qt

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9/3/76	Brought Forward →	35	1097	
changed oil and filter. Com premium				
check as follows #1 $\frac{78}{80}$ #2 $\frac{78}{80}$ #3 $\frac{78}{80}$ #4 $\frac{75}{80}$				
#5 $\frac{75}{80}$ #6 $\frac{77}{80}$				
see Invoice #3016 for details of this insp.			I certify that this aircraft has been inspected in accordance with <u>Annual</u> inspection and has been found airworthy.	
			Signature: <u>Robert J. Kinney</u>	
			Cert. # <u>CRS 101-06</u>	
			Time in Service: <u>1097.7</u> Hours	
			Date of Inspection: <u>Sept. 3, 1976</u>	
			OPERATIONAL CHECK COMPLETED	
			AID Notes Checked <u>R.H. Kinney</u>	
al To				
ry Forward				

and Remarks

Signature

Certificate No.

APR 26, 1977 TT. 1196 HOURS CLEANED SPARK PLUGS
COMPRESSION CHECK #1-76, #2-78, #3-78, #4-74, #5-75,
#6-77. William H. Cony RA, P1357737

3/20/77 Oil and filter changed, screen checked &
cleaned. No contamination Tech 1205.6 hrs. 11 qts AD
Exon Oil added. (m)

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
April 14, 1970	Brought Forward →			
Performed Compression check as follows #1 $\frac{76}{80}$ #2 $\frac{76}{80}$ #3 $\frac{78}{80}$ #4 $\frac{76}{80}$ #5 $\frac{76}{80}$ #6 $\frac{76}{80}$ Tach = 1208:58 Total = 1208:58 Robert G. Kimber CRS 101-06				
Oneida County Aviation, Inc Oneida County Airport Oriskany, New York 13424				
Total To Carry Forward				

and Remarks

Signature

Certificate No.

April 29, 1977 Checked all spark plugs -
Replaced fuel injectors - Tach time
1219.0 hrs. C. J. Merwin
HFE 24206-40

May 5/77 Tach 1226.78 Replaced all
spark plugs. C. J. Merwin HFE 24206-40

[illegible]

and Remarks

Signature

Certificate No.

Sept 2, 1977 Tac time 1326.56 hrs Replaced all 6
rocker cover gaskets, Replaced #2, 4, 6 Exh
gaskets. Cleaned gapped & lubed slugs
Changed oil 17 Qts Quaker State 50AD, cleaned
oil suction screen, Replaced oil filter AH48110
old filter checked for metal found none.
Washed down engine with Brakin Airborne Gel
method *Saul A. Lepkowski* CRS101-06

Oneida County Aviation, Inc.

Oneida County Airport
Oriskany, New York 13424

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Oct 10, 77	Brought Forward →	285.00	1354.4	hrs Total Time Annual
inspection per PA 24-260 Engine Group B diff				
compression check 1 ⁷⁸ / ₈₀ 2 ⁷⁸ / ₈₀ 3 ⁷⁷ / ₈₀ 4 ⁷⁹ / ₈₀ 5 ⁷⁶ / ₈₀ 6 ⁷⁷ / ₈₀ Changed				
rapped & rotated plugs. Changed oil 12 qts 50 AD Quaker				
State Changed oil filter CH 48110 no metal in old				
filter. Retimed R Magneto to Engine				
				certify that this aircraft
				has been inspected in accord-
				ance with <u>an annual</u>
				inspection and has been found
				airworthy.
				Signature <u>Paul C. Lepkowski</u>
				Cert. # <u>CR5101-06</u>
				Time in Service: <u>1354.4</u> Hours
				Date of Inspection: <u>Oct 10, 1977</u>
				OPERATIONAL CHECK COMPLETED
				A L Notes Checked <u>[Signature]</u>

Oneida County Aviation, Inc.

Oneida County Airport

Oriskany, New York 13424

4255

for Airlift

Total To
Carry Forward



and Remarks		Signature	Certificate No.
5-27-78	Replaced vacuum pump with new vacuum pump, same model and keep the date.	James Purman	AP-6022559
6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK		
22-037-01	CELL	STARKLEY	
40669	airline to oxygen		AP 1266 930

and Remarks		Signature	Certificate No.
5-7-78	Replaced vacuum pump with new vacuum pump, same model and keep the date.	Larry Purman	AP-602259
6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK WITH 22-037-01 CELL	G. HARTY	
10-6-78	airline to Oregon	AIP 1266 930	

and Remarks		Signature	Certificate No.
5-27-78	Replaced vacuum pump with new vacuum pump, same model and keep the date.	James Purman	AP-6022559
6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK		
22-037-01	CELL	STARKLEY	
40669	airline to oxygen		AP 1266 930

and Remarks		Signature	Certificate No.
5-27-78	Replaced vacuum pump with new vacuum pump, same model and keep the date.	James Purman	AP-6022559
6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK		
22-037-01	CELL	STARKLEY	
40669	airline to oxygen		AP 1266 930

and Remarks		Signature	Certificate No.
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6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK		
22-037-01	CELL	STARKLEY	
40669	airline to oxygen		AP 1266 930

and Remarks		Signature	Certificate No.
5-27-78	Replaced vacuum pump with new vacuum pump, same model and keep the date.	James Purman	AP-6022559
6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK		
22-037-01	CELL	STARKLEY	
40669	airline to oxygen		AP 1266 930

and Remarks		Signature	Certificate No.
5-27-78	Replaced vacuum pump with new vacuum pump, same model and keep the date.	James Purman	AP-6022559
6-6-78	REPLACE RIGHT OUT BOARD FUEL TANK		
22-037-01	CELL	STARKLEY	
40669	airline to oxygen		AP 1266 930

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
B-70-78	1415	Start Major	345	CR compression
				Factor on CR & factor CR run on battery 1st
				Service prop with down GNV new plugs
1-16-80	1513	to time start	Major	444
				GNATK prop CR compression 1.76 2.26 3.76
				check & inspect within cylinder 1266 230 A
3-9-81	total time	1648	start major	579 HR
check	check	service	&	return to service
Total To Carry Forward				

and Remarks

Signature

Certificate No.

1. $\frac{74}{80}$ 2. $\frac{78}{80}$ 3. $\frac{75}{80}$ 4. $\frac{74}{80}$ 5. $\frac{74}{80}$ 6. $\frac{73}{80}$ DRAIN ON CHARGE

GENERATOR BOLT CLEAN INSTEAD 3 GRATING GRANTS;

CLEAN & INSPECT AVAILABLE WORK

OK PLUG

A/P 1266830

476 575 C. 26 over 80

OK WORK PRESSURE NO 175 2. 75. 3 76 4. 78 5. 75. C. 75

William to 9/10/72 1266830

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
3-25-82	TOTAL TIME 17.67		Since	MAJOR 719 HR COM PR
OILS CLEAN CHANGE OIL & FILTER ALLOW AS STORM				
3-25-83	TOTAL TIME 1867.5	8.18	CR COMP	PRESSION NO. 1.75 2.74 3
ALL EX GASKETS REPLACE 2 EX STUD BOLTS PLATE				
TURNING 83-3 ALLOW AIRFLOW 1260930				
4-2-84	TOTAL TIME 1927		Since	MAJOR 870 HR. CR COMP
REPLACE WATER PUMP GASKETS (2) RED AIR EXHAUST PORT STAIL CLEA				
GASKETS SOME WERE BLOWN REPLACE MISSING GASKETS PL				
INTER PATCH 14401 LETHAL, REPLACE OIL COVER AIRFLOW ACTUATOR				
Total To Carry Forward			CR TO WATER	ALLOW AIRFLOW

and Remarks

Signature

Certificate No.

CR No 1.78 2.78 3.78 4.78 5.78 6.78 CLEAN PWS

APR 12 6 9 30 AD NOTES CR THROUGH 82.5

055 576 673 CLEAN PWS GAT PWS REPLACE

AN FILTER CLEAN F IMPACT CR AD 11.45

inspected in accordance with 13.1
TJAU log and was determined
to be in airworthy condition.

1.77 2.77 3.77 4.77 5.77 6.77

Date 3-15-83 with 11.45

AN FILTER REPLACE EXHAUST

Time 1847.5

OIL PWS OIL FILTER TIGHTEN OIL

Work order _____ FL Stockton, Texas

AN FILTER REPLACE CLEAN PWS CR 11.45 CR 11.45

APR 12 6 9 30

Date	Engine Time		Recorder Reading	I certify that this Aircraft has been inspected in accordance with a 90 Maintenance check and was determined to be in airworthy condition. Date <u>4-2-84</u> <u>William W. Hargis</u> <u>120-330</u> P. O. Box 730 Ft. Stockton, Texas Time <u>1927</u> Work order _____ Change oil & filter Fill with Phillips 20-50
	This Date	Since Major		
	Brought Forward →			
8/14/8			1966	
3-29-85	1997	TOTAL TIME SINCE	1966	1997
CLEAN PLUGS CLEAN	10000	10000	10000	10000
Total To Carry Forward				

and Remarks

Signature

Certificate No.

Run ENG
Clock For LEAKS

intake compression No 1 75 2 72 3 77 4 75 5 76 6 74

oil 1 foot ea willow w/boya Air mechanic 1266980

I certify that this Aircraft has been
inspected in accordance with a ~~visual~~
visual inspection and was determined
to be in airworthy condition.

Date 3-25-85 William W. Hargis

Time 1497

Work order _____

IA William W. Hargis

1266980

P. O. Box 730

Ft. Stockton, Texas

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5/12/86	Brought Forward →	1026	843.0	2083.3 TACH. TIME.
				DATE. COMP. CHECK COM
				5) 78/80 6) 78/80. OIL 4
5-77-86	Engine Certify that this aircraft has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.			REMOVE EXHAUST FOR
	A.P. Munnick 09E3524371A			ALL EXHAUST GASKETS. RE
				SPIDER (FUEL PRESSURE)
				BODY. REPLACED OIL LINE
				GAGE LINE FROM FIREWALL
				PLUGS. 100HR INSPECTION
				TX. AD'S RESEARCHED THROUG
Total To Carry Forward				INSPECTED IN ACCORDANCE WITH A 100HR

and Remarks

Signature

Certificate No.

100 HR. INSPECTION COMPLETED THIS
1) 75/80 2) 76/80 3) 79/80 4) 78/80

FILTER CHANGE. (AERO. 100W - CH48110)

REPAIR AT MUFFLER INLETS. REPLACED

AGED FUEL LINES FROM FIREWALL TO

REPLACED LINE FROM SPIDED TO INJECTOR

FROM COOLER TO ENGINE, AND OIL PRESSURE

ENGINE. CLEANED AND GAPPED ALL

SHEET ON FILE EZELL AVIATION BRECKENRIDGE

6-08. I CERTIFY THAT THIS ENGINE HAS BEEN

INSPECTION & WAS FOUND AIRWORTHY.

Steven L. Calkins ActPS1170

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-12-87	Brought Forward →	1056.95		2126.33 TACH TIME
				Annual Inspection was
				cleaned, tested & reinstalled a compression test was
				The oil (Aeroshell 50w Det) 12qts & Filter (CH48110)
				All fuel filters were cleaned & air filter cleaned,
				and ck'd for leaks, OK CK'd all AD's (87-100
8-12-87	I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.			
	Wm G. Morgan IA511603132			

total To
carry Forward

and Remarks

Signature

Certificate No.

completed this date, all spark plugs were removed,
performed #1 75/80 #2 7/ #3 75/ #4 7/ #5 75/ #6 73/
was changed, Exhaust System & heat muff were inspected
ck wiring, ck controls, engine was cleaned and run
(% by model).

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6-17-88	Brought Forward →		TACH TIME 2166.14	Total Time 1096.76 6-1-76 SMH
	An Annual Inspection was completed this date			
	compression test #1 76/80	#2 77/80	#3 79/80 #4 75	#5 77 #6 78
All spark plugs removed, & tested and replaced 10 spark plugs with new (REM 38E & REM 40E), cleaned fuel filter screen & ck'd fuel system for leaks, ck'd exhaust & induction system, changed oil (12 qts Aeroshell Det) & oil filter (CH 48110), removed both Magneto's (Bendix S6LN) cleaned & replaced coil in Lt Mag, & serviced both, internally reinstalled on engine & timed to engine, removed & cleaned all injectors				
All AD's C/w & recurring ck'd all OK.			I certify that this Engine has been inspected accordance with a Annual inspect and was determined to be in airworthy condition.	
Total To Carry Forward				

Wm G. Morgan IA 511603132

and Remarks

Signature

Certificate No.

11-12-88 Tach 2207.0 Engine oil and filter

change. Aeroshell oil W100. William D. Wynn ^{ALP} 335440365

~~TACH 2225.2-~~

8-14-89- OIL CHANGE & FILTER- AEROSHELL 100

COMPRESSION TEST- REPLACE 5 SPARK PLUGS

R/R PUMP & REPLACE ALT. BELT- REPLACE VACUUM

PUMP- REPLACE ROCKER BOX GASKET CYL. 1 & 5

REPLACED HEAT LINES FROM PUMP & INJECTOR

TO LOWER CONDUIT- REPAIR BROKEN GROUND WIRE-

REGULATOR FILTER-

I CERTIFY THAT THIS ENGINE HAS
BEEN INSPECTED IAWA ANNUAL-
INSPECTION AND IS AIRWORTHY:

FLIGHT LINE, INC.

Houston Gulf Airport

2750 FM 1266

League City, TX 77573

RO.#1900

J.B. Meyers ALP 462408648 IA

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-90	Brought Forward →		TACH - 2271.6	COMPRESSION TEST.
	1 77/100 - 2 75/100 - 3 76/100 - 4 74/100 - 5 74/100 - 6 72/100 -			
	REPLACE POLKER COVER GASKETS - CYL- 2, 4 & 6 -			
	REPLACE CHARGING-SYSTEM FIELD CIRCUIT BREAKER - REPLACE INTAKE HOSE & GASKET ON NO 6 CYLINDER - OIL CHANGE & FILTER -			
	AERO SHELL W 100 - ANNUAL INSPECTION IAW PIPER INSPECTION FORM 230-203 -			
				20.# 2168
				FLIGHT LINE, INC.
				Houston Gulf Airport
				2750 FM 1266
				League City, TX 775
	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IAW <u>ANNUAL</u> INSPECTION AND IS AIRWORTHY.			
	J.B. MEYERS A/P 462408698JA			
rd				

and Remarks

Signature

Certificate No.

9-11-91 TTSN 2377 hours, TSMOH 1308.2

Replaced oring on oil dipstick. Installed new contact assembly in right magneto. Timed magneto internally and to engine. Installed new rear bearing cam, breaker assembly and seal in left magneto. Set magneto bearing preload, set internal timing and timed magneto to engine. Right magneto - Bendix 56LN-204, S/N 1006206 Left magneto Bendix 56LN-200, S/N 1001388. Installed helicoil in #2 cylinder exhaust port. Replaced 9 exhaust studs. Installed new exhaust gaskets on all cylinders. Installed new EBB-75A

continued over

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-11-91	Brought Forward →	1308.2	2377.5	
	Bendix drive in starter. Oil and filter change.			
	Aeroshell 100W oil. AD 91-14-22 inspection			
	due at engine overhaul or after a prop strike,			
	sudden stoppage or loss of propeller blade or Tip			
	or whenever gear train repair is required.			
I CERTIFY THAT THIS <u>ENGINE</u> HAS			FLIGHT LINE, INC. 6	
BEEN INSPECTED IAWA <u>annual</u>			Houston Gulf Airport 21	
INSPECTION AND IS AIRWORTHY.			2750 FM 1266	
<u>William Dwyer</u>			League City, TX 77573	
<u>H-P 355440365IA</u>				
Total To Carry Forward				

N-9338P

LYCOMING O-540-N1A5

SN L-7410-48

MARCH 19, 1993

TACH=2452

This engine was removed, disassembled, and inspected for major overhaul. All aluminum parts were Zygo inspected and all steel parts were inspected by magnetic particle inspection method. Crank inspected, ground to m.010 and nitrited by aircraft engine accessories, Dallas. Camshaft and lifter bodies reground to new limits, connecting rods were inspected and rebushed. Engine was reassembled using all new parts listed below. Assembly was done in accordance with Lycoming overhaul manual with all clearances within new limits. AD 91-14-22 complied with by installation of reworked crankshaft gear and bolt pn STD-2209. Cylinders were inspected reworked with new guides, seats, valves, pistons, and rings and Cermichromed by Engine Components.

following AD's were checked and do not apply for reasons stated: AD 63-14-03, AD 64-16-05, AD67-22-06, AD 69-08-09, AD73-23-01, AD 75-08-09, AD 78-23-08, AD 81-03-05, AD 83-22-04, AD 87-10-06. All not applicable due to engine serial number or model. AD 66-20-04 previously complied with and gasket replaced this overhaul, AD 81-18-04 na new oil pump impeller kit installed this overhaul. AD 92-12-05 NA, new piston pins installed this over haul. AD 92-20-07 does not apply to this fuel pump. Engine installed, test run to check operation to manufacturers specs, and is approved for return to service.

WAB ADP 442360611

PARTS LIST NEXT PAGE



Galv-Aero Flight Center
Galveston Municipal Airport
2427 Commanche
Galveston, TX 77554

PARTS LIST -

QTY. PART # NAME

12	12186	NUT
1	STD-2209	BOLT
2	76788	ROLLER, CW
1	18109-S	IMPELLER KIT
8	71007	WASHER, CW
6	11575	BEARING, CRANK
1	73185-1	GASKET KIT
6	STD-1821	HOSE, OIL RETURN
6	75906	GASKET, ROCKER
6	74541	VALVE, EXHAUST
6	13444-1	PIN, PISTON
5	71973	GASKETS
1	10-382584	BREAKER ASSY
12	BHEM40E	SPARK PLUG
12		REGROUND LIFTERS

QTY. PART # NAME

12	13212	BEARING, ROD
8	71903-A	BUSHING, CW
2	73648	ROLLER, CW
8	14820	RING, INT. RET
2	13885	BEARING, CRANK
1	STD-737	KEY, WOODRUFF
1	SL78528	HOUSING, OIL PMP
6	69603	HOSE, INTAKE
2	13790	SHAFT, RKR ARM
12	12892	BUTTON, RKR SHAFT
4	12136	CUSHION, MAG
4	J3804-20	MOUNT
2	10-382585	BREAKER ASSY
1	MG002	HARNESS ASSY
1		REGROUND CAMSHAFT

and Remarks	Signature	Certificate
5/19/93 Tach 2452 SMOH=0 This engine has been inspect in accordance with an annual inspection and is approved for return to service. The following MAGNETO AD's do NOT AFFECT MAGNETO MODEL AD 78-18-04, 79-12-07, 79-18-06, 80-17-0 81-12-06, 82-11-05. William T. Strain FA 447360611		

GALV- Aero Flight Center

2427 Comanche, Galveston, Texas 77554

December 21, 1994 Engine logbook, N9338P, Tach=2590.98

Drain oil, check filter screen, refill with Phillips XC-20-50, remove open and inspect oil
filter, install new filter, run engine inspect for leaks. *John* A4584157365

Date

Engine Time

Recorder

Galv- Aero Flight Center

Galveston Municipal Airport 2427 Comanche Galveston, Texas 77554

June 15, 1994 N9338P; Tach =2534.77, TSMOH=82.77 Engine logbook
COMPRESSION #1=76/80, #2=76/80, #3=76/80, #4=76/80, #5=76/80,
#6=77/80, Drain oil and reservice with Aeroshell W100, remove, open and
inspect oil filter, install new filter, secured fuel hose to distribution valve and fuel
pump to prevent chaffing, remove left side exhaust stack and reinstall after
welding, installed new bolts in left exhaust stack clamp, Complied with AD94-01-
03, magneto rotating magnet, coil inspection and AD 94-06-09, inspection of
capacitors, mags marked as prescribed in ADs.

Robert Witte AOB 406552907

June 17, 1994 Tach and TT= 2534.77, SMOH= 82.77, This engine has been
inspected in accordance with an annual inspection ad is approved for return to
service.

Williams T. J. 4A447360611

ate M

1

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[illegible]

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	7-8-96 Tach 2628	\$M0H176	Completed Inspection
Checked Compression #1-71ex #2-78 #3-65ex #4-76 #5-76 #6-77/80 Cylinder #1 And #3 Removed Valve Seats were Ground And Valves Retimed. Cyl. Reinstalled With New Gaskets And Seals. Exhaust System Reinstalled With New Lock Washers. Changed Oil And Filter. Cleaned Screen Serviced With 100hrs AeroShell 50W40. 084-26-02 On Paper Induction Air Filter Due Tach 2877. C/W 9093-02-05 On Injection Line For Paper Support. Washed Down Engine Ran And Checked For Leaks And Proper Operation.				
		Date <u>7-8-96</u> Tach. Time <u>2628</u> "I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>100HR/annual</u> inspection and was determined to be in airworthy condition"		
To Forward		DALE R. FAULKNER <i>Dale R Faulkner</i> A&P 19932521A		

and Remarks

Signature

Certificate No.

9-8-97 Tach 2634.8 \$1100H 182.8 Completed Inspection.
Changed Oil And Filter Serviced With 100% AeroShell 50W100.
Checked Compression #1-76 #2-75 #3-74 #4-73 #5-76 #6-76/80
AD96-09-10 On Oil Pump N/A New Gear Kit Installed At OH.
Washed Drain Engine. Ran And Checked For Leaks And Proper
Operation.

Date 9-8-97 Tach. Time 2634.8

"I certify that this Engine has
been inspected in accordance with
a 100HR/ANNUAL inspection and was
determined to be in airworthy condition"

DALE R. FAULKNER

A&P 1993252IA

Dale R. Faulkner

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Brought Forward →	12-1-98	Tach 2642	Completed Inspection	Checked
	Compression #1-76 #2-75 #3-74 #4-73 #5-76 #6-76/80			
	Changed, Gapped And Tested Spark Plugs, Checked Mag Timing.			
	Resecured Alternator And Adjusted Tension.			
	Date <u>12-1-98</u> Tach. Time <u>2642</u> "I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>100HR/Annual</u> inspection and was determined to be in airworthy condition" DALE R. FAULKNER A&P 19932521A <i>Dale R Faulkner</i>			

and Remarks

Signature

Card No. 100

05/26/00 TACH 2645.95 TSMOTH 193.95

AT THIS TIME THIS ENGINE WAS INSP USING A 100hr
ANNUAL CK LIST. OIL WAS DRAINED FILTER REMOVED &
REPLACED. FINGER SCREEN PULLED CLEANED & REINSTALLED.
SERVICED WITH 10QT PERO SHELL 50W. REPLACE ALL PUSH ROD
TUBES. REPLACE FUEL LINE FROM CONTROL TO PUMP INSTALL FUEL
PUMP DRAIN LINE TO COOLING REPAIR ENG BASE. 2/LUBD'S
93-0205 FUEL INJECTION LINES SEE AFT RECORDS FOR NEW AD LIST.
WASH ENG RUN OK FOR LEAKS NONE NOTED.

NEXT PAGE

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →		Date <u>05/29/00</u> WO <u>2727</u> A/C <u>N9338P</u> SIN <u>24-48</u>	
CYLCOMP			I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.	
1 75 80	2 79 80	3 78 80	4 77 80	5 79 80
6 75 80	7 75 80	8 75 80	9 75 80	10 75 80
			Inspector <u>[Signature]</u> <u>3067583165IA</u>	
12/04/02 TACH 2646.39 TSMOH 194.39				
AT THIS TIME THIS ENGINE WAS INSP USING A 100hr/				
ANNUAL CKLIST. OIL WAS DRAINED FILTER REMOVED + REPLACED				
FINGER SCREEN PULLED CLEANED + REINSTALLED. C/W AD'S 93-020				
FUEL INJECTION LINES SEE A/CFT RECORDS FOR NEW AD LIST				
Total To Carry Forward			WASH ENG. SERVICE WITH 10QT AEROSHELL	

NEXT PAGE

and Remarks

Signature

Certificate No.

50 WT. RUN & FOR LEAKS NONE NOTED.

CYL COMP

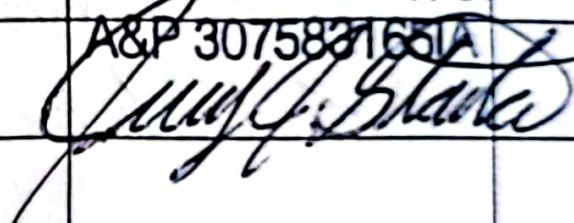
1	2	3	4	5	6	7	8
75	77	75	77	76	77		
80	80	80	80	80	80	80	80

Date 12/04/02 Tach. time

"I certify that this ENGINE HAS
been inspected in accordance WITH
a ANNUAL inspection AND WAS
determined to be in airworthy condition

JERRY J. STANTON

A&P 3075831651A



Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1-23-04	Tach 2646.67	\$ MOH 194.67		Completed Inspection
	Checked Compression #1-72 #2-71 #3-76 #4-70 #5-65			
	#6-72/80 Changed Oil And Filter. Serviced With 10 Qt Amoco 11			
	And 1 Pint Amoco Additive. Washed Down Engine. Ran And Check			
	For leaks And Proper Operation.			
	Date 1-23-04 Tach. Time 2646.67			
	"I certify that this <u>Engine</u> has			
	been inspected in accordance with			
	a <u>100 Hr Annual</u> inspection and was			
	determined to be in airworthy condition"			
	DALE R. FAULKNER			
	A&P 19932521A			
	Dale R. Faulkner			
Total To Carry Forward				

and Remarks

Signature

Certificate No.

7-1-05 Tach 2647.36 \$195.36 Completed Inspection. Checked
Compression #1-72 #2-74 #3-74 #4-78 #5-76 #6-73 ps Changed Oil
And Filter Serviced With 10 Rts Amsoil 100W And 1 Pint Additive
Additive. Replaced Induction Airfilter. C/w AD 2007-26-01 On Ejector
Fuel Lines. Washed Down Engine Bay And Checked For Leaks And
Proper Operation.

Date 7-1-05 Tach. Time 2647.36

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

DALE R. FAULKNER

A&P 1993252IA

Dale R. Faulkner

[illegible]

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

CLIFTON AERO-4

PO BOX 249 CLIFTON TEXAS 76634 254-675-3771

DATE: 9-1-2007 TACH: 2712.0 TOTAL TIME: 2712.0 SMOH: 260

LYCOMING IO-540-N1A5 S/N L-7410-48

N9338P

ENG.

CHANGED OIL AND OIL FILTER. CHECKED OLD FILTER AND SUMP SCREEN, NO METAL FOUND. FILLED ENGINE WITH AEROSHELL W100 PLUS. CHECKED COMPRESSION: 1 68/80, 2 75/80, 3 74/80, 4 63/80, 5 74/80, 6 73/80. STAKED VALVES ON CYL NOS. 1 AND 4 TO IMPROVE COMPRESSION. RECOMMEND RECHECK IN 10HRS. CHECKED ALL FUEL SCREENS. REPLACED AIRFILTER ELEMENT P/N BA4505. CLEANED, GAPPED AND TESTED SPARK PLUGS. REMOVED EXHAUST SYSTEM FOR OVERHAUL. EXHAUST OVERHAULED BY DAWLEY AVIATION, WO#94231. REINSTALLED EXHAUST SYSTEM. REPAIRED CRACKED BAFFLING AT NO. 2 CYL. REMOVED BOTH MAGNETOS FOR OVERHAUL. MAGNETOS OVERHAULED BY QUALITY AIRCRAFT ACCESSORIES, SEE QUALITY WO# 42256, 42257. REINSTALLED BOTH MAGNETOS. REPAIRED OIL LEAK AT FWD TOP 3/8" STUD NUT ON CRANKCASE. REPAIRED OIL LEAK AT TOP SEAM REAR BOLTS ON CRANKCASE. INSTALLED NEW CYL. OIL DRAIN TUBES 2EA. P/N 68761, 1EA. 71737 ON CYLS. #2, 3, 6. INSTALLED NEW OIL DRAIN VALVE P/N CCB 37000. INSTALLED NEW ENGINE COMPARTMENT FLUID HOSES, SEE PHT INV. 559076. REPLACED ADEL CLAMP ON CRANKCASE BREATHER TUBE BY ENGINE MOUNT. INSTALLED NEW ALTERNATOR BELT P/N 37A19773-367 SECURED ALTERNATOR BRACKET TO CRANKCASE. REPLACED BROKEN DRAIN TUBE ON FUEL INJECTOR AIR TRANSITION HOUSING. REMOVED FUEL INJECTION SYSTEM. SYSTEM OVERHAULED BY AIRCRAFT CARBURETOR AND INJECTION, SEE WO#1596. REINSTALLED FUEL INJECTION SYSTEM, INSTALLED NEW #6 FUEL INJ. LINE P/N 2W12098-0-210. SECURED ALL FUEL INJ. LINES PER SB 342E, AND AD 2002-26-01. INSP. DUE AGAIN IN 100 HRS. ADJUSTED IDLE AND IDLE MIXTURE SETTINGS. INSTALLED OVERHAULED ENGINE DRIVEN FUEL PUMP P/N LW15473 S/N AA22674. SEE AERO ACCESSORIES WO# 56221. REPAIRED OIL LEAK ON NO. 6 CYL. CLEANED ENGINE, GROUND RAN ENGINE. OPERATION NORMAL NO LEAKS NOTED.

THE AIRCRAFT OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS, AND FOUND TO BE AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.

John T. Talley
JOHN T. TALLEY

A&P460064627IA

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

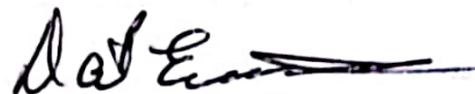
PO BOX 249 CLIFTON TEXAS 76634 254-675-3771

DATE: 12-26-07 TACH: 2748.3

N9338P

ENG. LYCOMING IO540-N1A5 S/N L-7410-48

CHANGED OIL AND FILTER. CHECKED OLD FILTER, NO METAL FOUND. FILLED WITH 12QTS. AEROSHELL W100 PLUS. REMOVED FUEL INJECTION SERVO FOR REPAIR OF MIXTURE CUT OFF VALVE. SERVO MODEL # RSA5AD1, S/N 28976. REPAIRED BY AIRCRAFT CARB. AND INJECTION SERVICE WO#1851. REINSTALLED AND ADJUSTED, GROUND OPERATIONAL CHECK OK.



DAVID EVERETT

A&P451045388

CLIFTON AERO ✈

PO BOX 249 CLIFTON TEXAS 76634 254-675-3771

DATE: 1-7-08 TACH: 2754.21

N9338P ENGINE

REMOVED PROPELLER, INSTALLED NEW ALTERNATOR BELT P/N 37A19773-367. REINSTALLED PROPELLER PER THE PA-260 SERVICE MANUAL. REPAIRED FRONT TOP ENGINE BAFFLE AS REQUIRED. PERFORMED OPERATIONAL GROUND CHECK, OPERATIONAL CHECK OK.

THE AIRCRAFT OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS, AND FOUND TO BE AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.

JOHN T. TALLEY

A&P 460064627

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-23-28				Task 2781.0 Changed Oil And Filter. Changed Screen. Checked Filter For Contamination. Serviced with 12Rth Amshell 100W Plus. Washed Down Engine. Rad And Checked For leaks. Dale R. Bullock AT#1993252

LOG CLOSED SEE LOG #3

9-08 AT Annual Inspection cylinders #1 and #4 had low compressions
again this year. Cylinders removed for inspection. Upon removal of
cylinders it was noted that camshaft had pitting and a top overhaul
was recommended along with a new camshaft and ^{flappers} valves. Due to the time
since last overhaul (1993) and need for a top overhaul along with
need to remove engine to split the case to replace cam & valves owner
elected for a complete overhaul with new cylinders at this time in
lieu of repair. Engine was removed from aircraft and sent to Custom
Alternative for Overhaul to new limits with new factory honing cylinders
This Logbook entry is for historical documentation only by owner after close
of this log (Engine) #2 see log (Engine) #3 for new records from this date.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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Reg. No.: N9338P

ENGINE

Date 12/27/2012

I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43 Appendix D and Pro-Air Aviation annual inspection form P-AA003 and determined to be in an *AIRWORTHY* condition at this time. Other details of this inspection are on file at this facility under work order no. DVT-12-473. For AD compliance, see AD listing.

Compressions: #1) 76/80 #2) 74/80 #3) 77/80 #4) 76/80 #5) 76/80 #6) 76/80

ETT 2847.4

Tach 2847.4

ETSN 2847.4

TSO 395.4

Drained oil, removed and inspected oil filter. Installed a new CH48110-1 oil filter torqued and safetied. Serviced the engine with 8 qts. of Phillips 20W50XC oil. C/W AD 11-26-04 (1/25/12), Lycoming fuel injection lines inspection, next due in 100 hours or whenever maintenance is performed on the system. C/W AD 12-03-06 C (2/24/12), found to be N/A by fuel servo overhauled before May 2010. Engine run-up and leak checks good.

ProAir

AVIATION MAINTENANCE

Authorized Cessna single engine and
Caravan repair facility.
732 W. Deer Valley Rd. Phoenix AZ.
(623) 869 0866

Form PAA LE1 REV 1 8/31/12

Authorized Signature

FAA Approved Repair Station No. TTFR567Y

2/15/2014

N9338P

TACH 2848.28

TTSMOH 63.4 ETT 2848.28

Complied with engine annual inspection. Changed oil and filter. Installed CH48110-1 filter and serviced engine with Phillips 20W50 oil. Checked magneto timing. Removed, cleaned, checked, and reinstalled spark plugs. Compression test results: #1-72, #2-73, #3-74, #4-74, #5-72, #6-72/80. Engine post maintenance ground run and leak check satisfactory.

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

Bertrand V Lewis

B. V. Lewis

A&P 3390958 IA

alog

MAINTENANCE RECORDKEEPING SYSTEM

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

Reg. No.: N9338P

AIRFRAME

Date: 4-22-2014

TACH: 2850.1

Removed defective alternator, p/n-ALX-8521R, s/n-H050456, and installed overhauled
Hartzell alternator, p/n-ALX-8521R, s/n- H-N080673 IAW Piper, PA-24-260 M.M.
Other details of the work performed are on file at this facility under work order DVT 14-2849.

ProAir

AVIATION MAINTENANCE LLC

Authorized Cessna single engine and
Caravan repair facility.
732 W. Deer Valley Rd. Phoenix AZ.
(623) 869 0866

Form P-AA LE1 REV 1 8/31/12

Authorized Signature

FAA Certified Repair Station No. 7TFR567Y

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS

TT 2784:87 TSMOH 2:1 (test run time only)
MODEL IO-540-N1A5 S/N L-7410-48

The aircraft engine identified above was repaired and inspected in accordance with manufacturers specifications and current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order number 21225

Dated October 27, 2008 Signed Mark O. Lichty for

Custom Airmotive, Inc.

2702 North Sheridan Road (Bldg. B)

Tulsa, OK 74115

Ph. 918-836-6836 Fax 918-836-9431

FAA Certified Repair Station DC2R763K

Fuel system (incl. pump), and magnetos were re-used @ the customers request (these components were overhauled @ tach 2712.0 & have 72.87 hours TSO). Ignition harness, spark plugs and oil filter are new. This engine is equipped with New Genuine Lycoming Steel P/N 05K21102 cylinders.

Model IO-540-N1A5 S/N L-7410-48 WO# 21225 Total Time 2784:87

A.D. # Method of compliance

63-14-03 P/C/W; HAD RE-DESIGNED PUMP SHAFT.

66-20-04 C/W; USED CORRECT GASKET W/ADAPTER.

75-08-09 P/C/W; ALSO SEE 96-09-10.

75-09-15 C/W; FUEL SYSTEM OVERHAULED @ CRS#IOFR546Y.

78-23-10 C/W; FUEL SYSTEM OVERHAULED @ CRS#IOFR546Y.

79-04-05 C/W; FUEL SYSTEM OVERHAULED @ CRS#IOFR546Y.

87-10-06 N/A PER S/N OR THESE P/N ROCKER ARMS.

92-12-05 N/A TO THESE NEW LW14078 PISTON PINS.

95-07-01 N/A TO THESE NEW SL74644 ROD BOLTS.

96-09-10 C/W; USED LW18109 & 18110 OIL PUMP GEARS.

96-23-03 N/A TO THIS RECENT OVERHAULED PUMP.

97-15-11 N/A TO THESE NEW LW14078 PISTON PINS.

98-17-11 N/A; CRANKSHAFT NOT SENT TO NELSONS.

02-19-03 N/A TO THIS SERVICEABLE CRANKSHAFT S/N 58875.

Continued.....

SUB-TOTALS this page

TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED-- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				

03-14-03 N/A TO THIS PUMP PER P/N.
 04-05-24 C/W; USED NEW BOLT P/N SL-STD2209.
 04-10-14 C/W S.B.475C; GEAR INSP., MOD. & RETENTION.
 05-19-11 N/A TO THIS SERVICEABLE CRANKSHAFT S/N 58875.
 06-10-21 N/A TO THESE GENUINE LYCOMING CONNECTING RODS.
 06-12-07 N/A TO THESE GENUINE LYCOMING CYLINDERS.
 06-20-09 N/A TO THIS SERVICEABLE CRANKSHAFT S/N 58875.
 07-04-19 N/A TO THESE GENUINE LYCOMING CYLINDERS.
 08-08-14 C/W; FUEL SERVO OVERHAULED USING "CF" KIT (NOT PREC.).
 08-14-07 C/W; LINES INSP. & SECURED PER SB342E.
 08-19-05 N/A TO THESE GENUINE LYCOMING CYLINDERS.

Signed Mark D. Lichty for CRS# DC2R763K on October 27, 2008

CLIFTON AERO ✈ PO BOX 249 CLIFTON TEXAS 76634 254-675-3771

DATE: 2-1-09 TACH: 2784.8 HR. METER: -0- TOTAL TIME: 2784.8 SMOH: -0- N9338P

ENG. LYC. IO540-N1A5 S/N L-7410-48

INSTALLED THIS ENGINE ON N9338P PIPER PA 24-260 S/N 24-4836. ENGINE INSTALLED WITH NEW SHOCK MOUNTS. EXISTING HOSE REINSTALLED NEW 9-1-07. INSTALLED NEW SKY-TEC STARTER P/N 149-NL S/N FN-440873. PROP GOVERNOR P/N F-4-4A S/N B3767U OVERHAULED BY QUALITY AIRCRAFT ACCESSORIES WO#70611. OIL COOLER P/N 8537798 S/N 72F-351 OVERHAULED BY DRAKE AIR INC. WO# 452392. REPAIRED ALTERNATE AIR DUCT ASSY. BY WELD REPAIR AND REPLACEMENT OF MAGNETIC CATCH. FILLED ENGINE 12 QTS. CASTROL AVIATOR 40 WT. MINERAL OIL. GROUND RAN ENGINE, OPERATION NORMAL. NO LEAKS NOTED.

John T. Talley
 JOHN T. TALLEY
 A&P46004627

CLIFTON AERO ✈ PO BOX 249 CLIFTON TEXAS 76634 254-675-3771

DATE: 3-17-2010 TACH: 2811.57 TOTAL TIME: 2811.57 SMOH: 26.77 N9338P

ENG. LYC. IO-540-N1A5 S/N L07410-48

CHANGED OIL AND OIL FILTER. CHECKED OIL SUMP SCREEN AND OLD OIL FILTER, MINOR NORMAL AMOUNTS OF PARTICLES FOUND (ENG. O.H.). FILLED WITH 10 QTS. PHILLIPS XC 20W50 AND ONE CONTAINER OF CAM GUARD ADDITIVE. CHECKED COMPRESSION: 1 76/80, 2 75/80, 3 76/80, 4 75/80, 5 75/80, 6 76/80. CHECKED MAGNETO TIMING. CLEANED, GAPPED AND TESTED SPARK PLUGS. CHECKED FUEL SCREEN. C/W AD 2008-14-07 BY INSPECTION OF F.I. LINES, CLAMPS ETC. PER ~~SB-342E~~. AD NOTE 2009-02-03 N/A GASKET P/N CF 365533 INSTALLED AT SERVO O.H. 8-14-07, SEE ENG. LOG ENTRY. AD 2009-26-12 N/A GENUINE LYCOMING CYL'S. INSTALLED NEW AIR FILTER ELEMENT P/N BA 4505. CLEANED ENGINE AND GROUND RAN, OPERATION NORMAL. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100HR. INSPECTION PER THE PA24 SERVICE MANUAL.

David Everett
 DAVID EVERETT
 A&P451045388

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SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

3-17-11 Tach 2825.78 \$MOH 40.98 Changed Oil And Filter. Cleaned
 Finger Screen. Serviced with 10 Qts Phillips 20W50XC And
 1 Can Cam Guard Additive. Checked Compression #1-76 #2-78
 #3-78 #4-78 #5-78 #6-76/80 Cleaned, Gapped And Tested Spark-
 plugs. Checked Magneto Timing. Checked Exhaust And Induction
 System For Leaks And Conditions. Lubricated Controls. C/W AD 2008-17-07
 By Inspection Of Fuel Injection Lines. Washed Down Engine. Ran
 And Checked For Leaks And Proper Operation.

Date 3-17-11 Tach. Time 2825.78

"I certify that this Engine has
 been inspected in accordance with
 a 100 Hrs/Annual inspection and was
 determined to be in airworthy condition"

DALE R. FAULKNER
 A&P 1993252 IA



Reg. No.: N9338P

ENGINE

Date 12/27/2012

I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43
 Appendix D and Pro-Air Aviation annual inspection form P-AA003 and determined to be in an
 AIRWORTHY condition at this time. Other details of this inspection are on file at this facility under
 work order no. DVT-12-473. For AD compliance, see AD listing.

Compressions: #1) 76/80 #2) 74/80 #3) 77/80 #4) 76/80 #5) 76/80 #6) 76/80

ETT	2847.4
Tach	2847.4
ETSN	2847.4
TSO	395.4

Drained oil, removed and inspected oil filter. Installed a new CH48110-1 oil filter torqued and safetied. Serviced the engine
 with 8 qts. of Phillips 20W50XC oil. C/W AD 11-26-04 (1/25/12), Lycoming fuel injection lines inspection, next due in
 100 hours or whenever maintenance is performed on the system. C/W AD 12-03-06 C (2/24/12), found to be N/A by fuel
 servo overhauled before May 2010. Engine run-up and leak checks good.

ProAir

AVIATION MAINTENANCE

Authorized Cessna single engine and
 Caravan repair facility.
 732 W. Deer Valley Rd. Phoenix AZ
 (623) 869 0866

Form P-AA LE1 REV 10/31/12

Authorized Signature

FAA Approved Repair Station No. 7TFR567Y

2/15/2014

N9338P

TACH 2848.28

TTSMOH 63.4 ETT 2848.28

Complied with engine annual inspection. Changed oil and filter. Installed CH48110-1 filter and
 serviced engine with Phillips 20W50 oil. Checked magneto timing. Removed, cleaned, checked,
 and reinstalled spark plugs. Compression test results: #1-72, #2-73, #3-74, #4-74, #5-72,
 #6-72/80. Engine post maintenance ground run and leak check satisfactory.

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

Bertrand V Lewis  A&P 3390958 IA

TRUE COPY

This is a Photocopy of Log entry that is in closed Log book #2

Reg. No.: N9338P

AIRFRAME

Date: 4-22-2014

TACH: 2850.1

DATE

Removed defective alternator, p/n-ALX-8521R, s/n-H050456, and installed overhauled Hartzell alternator, p/n-ALX-8521R, s/n- H-N080673 IAW Piper, PA-24-260 MM. Other details of the work performed are on file at this facility under work order DVT 14-2849.

TRUE COPY

ProAir

Authorized General Engine and
Airframe Repair Facility
782 W. Deer Valley Rd. Phoenix AZ
(602) 859-0888

Authorized Signature

AVIATION MAINTENANCE LLC

Form FAA 101 REV 1-8-11

FAA Certified Repair Station No. T1FR567Y

Engine Log

N9338P Piper PA24-260 S/N: 24-4836

Airframe Hours: 2882.99 Tach Airframe TT: 2882.99

Lycoming IO-540-N1A5 S/N L 7410-48

104.8 Hobbs

Complied with the following items:

- Perform engine runs and operational checks
- Drain engine oil. Removed and inspected engine oil filter for metal, (routine-none found)
- Install new oil filter PN CH48110-1. Torque and safety.
- Service engine with 12 Qts of Aeroshell 15W50. Reference the Piper PA24-260 MM Section 2-74 thru 2-81
- Installed Tanis Engine pre-heater System STC ALM SE03309CH P/N TSP6CYL-2927-115 S/N 48683 IAW Tanis Instructions-Preheat Installation Document No. TNP2927 Dated: Rev D, May 19, 2014. Update the Aircraft Weight and Balance records and Insert supplement into POH. Ops checks good.
- Perform ground runs, check for leaks. No defects or leaks noted.

"The above items were complied with per the "Manufactures Maintenance Procedures". This aircraft/engine is "Approved" for Return to Service" for work performed.

Date: 9/17/2014 Sign:

Cert# CRSIGXR989E WO#SH16374

HERITAGE
AVIATION

Engine Log Entry

N9338P Piper PA24-260C S/N: 24-4836

Airframe Hours: 2891.30 Tach Airframe: 2891.30 TT

Lycoming IO-540-N1A5 S/N L-7410-48

ETSOH: 439.30

Complied with the following items:

- Perform Pre-Annual Ground performance runs and operational checks.
- Perform engine compression test: 1) 79/80; 2) 79/80; 3) 76/80; 4) 79/80; 5) 78/80 & 6) 78/80.
- Drain engine oil. Inspected engine oil filter for metal, (routine-none found).
- Install new oil filter PN CH48110-1. Torque and safety into position.
- Clean, test, gap and rotate spark plugs.
- Service engine with 11 Qts of Aeroshell 15W-50.
- Cleaned Fuel injectors and fuel screen.
- C/W AD2011-26-04 inspection of fuel injection lines and clamps. No defects noted. Next due 2991.30 ACTT.
- C/W AD 2009-02-03 Fuel servo plug gasket inspection by replacement of gasket with new P/N 2577258, stamping of plug with a "G", torque and safety plug. Ref SB PRS-107 Rev. H. No leaks or defects noted.
- Re-secured #1 EGT connector in engine compartment due to intermittent indications. Ops checks good.
- Perform ground runs, magneto check and check for leaks. No defects or leaks noted.
- Check AD's through ATP Content Revision 03/11/2015.

"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.

I certify that this Engine has been inspected IAW an "ANNUAL" Inspection and was determined to be in Airworthy condition.

Date: 3/27/2015 Sign:

Charles Thibault for CRS-IGXR989E WO# SH17034

End

SUB-TOTALS this page

TOTALS-Carry forward to next page

Engine Log Book Entry 447
Date: 9/17/2014 Engine Time: 2882.99
Installed P/N: TSP6CYL-2927-115 preheat system S/N 48683
In accordance with Tanis instructions TNP2927 Rev
Installer Name: [Signature] Cert.
T10001 REV A

HERITAGE

Engine Log Entry

N9338P Piper PA24-260C S/N: 24-4836
 Airframe Hours: 2939.9 Tach Airframe: 2939.9 TT
 Lycoming IO-540-N1A5 S/N L-7410-48
 ETSOH: 487.9

Complied with the following items:

- Perform Pre-Annual Ground performance runs and operational checks.
- Perform engine compression test: 1) 72/80, 2) 74/80, 3) 76/80, 4) 76/80, 5) 74/80 & 6) 72/80.
- Drain engine oil. Inspected engine oil filter for metal, (routine-none found).
- Install new oil filter PN CH48110-1. Torque and safety into position.
- Clean, test, gap and rotate spark plugs.
- Service engine with 11 Qts of Aeroshell 15W-50.
- Cleaned Fuel injectors and fuel screen.
- C/W AD2015-19-07 inspection of fuel injection lines and clamps. No defects noted. Next due 3039.9 ACTT.
- Perform ground runs, magneto check and check for leaks. No defects or leaks noted.
- Check AD's through ATP Content Revision 4/5/2016

"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.

I certify that this Engine has been inspected IAW an "ANNUAL" Inspection and was determined to be in Airworthy condition.

Date: 04/08/2016 Sign:  Josh Rock for CRS-IGXR989E WON SH18332

HERITAGE
AVIATION

Engine Log Entry

N9338P Piper PA24-260C S/N: 24-4836
 Airframe Hours: 2978.4 Tach Airframe: 2978.4 TT
 Lycoming IO-540-N1A5 S/N L-7410-48
 ETSOH: 526.4

Complied with the following items:

- Perform Pre-Annual Ground performance runs and operational checks.
- Perform engine compression test: 1) 73/80, 2) 74/80, 3) 76/80, 4) 74/80, 5) 72/80 & 6) 73/80.
- Drain engine oil. Inspected engine oil filter for metal, (routine-none found).
- Install new oil filter PN CH48110-1. Torque and safety into position.
- Clean, test, gap and rotate spark plugs.
- Service engine with 11 Qts of Aeroshell 15W-50.
- Cleaned Fuel injectors and fuel screen.
- C/W AD2015-19-07 inspection of fuel injection lines and clamps. No defects noted. Next due 3088.4 ACTT.
- Perform ground runs, magneto check and check for leaks. No defects or leaks noted.
- Check AD's through ATP Content Revision 3/23/2017

"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.

I certify that this Engine has been inspected IAW an "ANNUAL" Inspection and was determined to be in Airworthy condition.

03/23/2017 Sign:  Josh Rock for CRS-IGXR989E WON SH19548

ORK PERFORMED—
 OF PERSON PERFORMING WORK

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HERITAGE

RMED—
PERFORMING WORK

Engine Log Entry

N9338P Piper PA24-260C S/N: 24-4836
Airframe Hours: 3005.6 Tach Airframe: 3005.6 TT
Lycoming IO-540-N1A5 S/N L-7410-48
ETSOH: 553.6

Complied with the following items:

- Perform Pre-Annual Ground performance runs and operational checks.
- Perform engine compression test: 1) 74/80, 2) 74/80, 3) 72/80, 4) 74/80, 5) 76/80, 6) 76/80.
- Drain engine oil. Inspected engine oil filter for metal, (routine-none found).
- Install new oil filter PN CH48110-1. Torque and safety into position.
- Clean, test, gap and rotate spark plugs.
- Service engine with 10 Qts of Aeroshell 15W-50.
- Cleaned Fuel injectors and fuel screen.
- Checked to see if AD2017-16-11 applies to engine, found to be N/A per engine S/N, and date of parts.
- C/W AD2015-19-07 inspection of fuel injection lines and clamps. No defects noted. Next due 3115.6 ACTT.
- Perform ground runs, magneto check and check for leaks. No defects or leaks noted.
- Check AD's through ATP Content Revision 3/13/2018.

"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.

I certify that this Engine has been inspected IAW an "ANNUAL" inspection and was determined to be in Airworthy condition.

Date: 03/17/2018 Sign:  Josh Rock for CRS-IGXR989E WO# SH20681

HERITAGE
AVIATION

Engine Log Entry

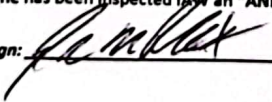
N9338P Piper PA24-260C S/N: 24-4836
Airframe Hours: 3038.3 Tach Airframe: 3038.3 TT
Lycoming IO-540-N1A5 S/N L-7410-48
ETSOH: 586.3

Complied with the following items:

- Perform Pre-Annual Ground performance runs and operational checks.
- Perform engine compression test: 1) 74/80, 2) 70/80, 3) 75/80, 4) 76/80, 5) 75/80, 6) 71/80.
- Drain engine oil. Inspected engine oil filter for metal, (routine-none found).
- Install new oil filter PN CH48110-1. Torque and safety into position.
- Clean, test, gap and rotate spark plugs.
- Service engine with 11 Qts of Aeroshell 15W-50.
- Cleaned Fuel injectors and fuel screen.
- C/W AD2015-19-07 inspection of fuel injection lines and clamps. No defects noted. Next due 3148.3 ACTT.
- Perform ground runs, magneto check and check for leaks. No defects or leaks noted.
- Check AD's through ATP Content Revision 2/28/2019.

"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.

I certify that this Engine has been inspected IAW an "ANNUAL" inspection and was determined to be in Airworthy condition.

Date: 03/04/2019 Sign:  Josh Rock for CRS-IGXR989E WO# SH21911

SUB-TOTALS this page

TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
HERITAGE Aviation				
Engine Log Entry N9338P Piper PA24-260C S/N: 24-4836 Airframe Hours: 3058.3 Tach Airframe: 3058.3 TT Lycoming IO-540-N1A5 S/N L-7410-48 ETSOH: 606.3				
Complied with the following items: • Perform Pre-Annual Ground performance runs and operational checks. • Inspected engine IAW FAR Part 43 Appendix D. • Perform engine compression test: 1) 75/80, 2) 77/80, 3) 77/80, 4) 76/80, 5) 77/80, 6) 77/80. • Drain engine oil. Inspected engine oil filter and screen for metal, (routine none found). • Install new oil filter PN CH48110-1. Torque and safety into position. • Clean, test, gap and rotate spark plugs. • Service engine with 11 Qts of Aeroshell 15W-50. • Cleaned Fuel injectors and fuel screen. • C/W AD2015-19-07 inspection of fuel injection lines and clamps. No defects noted. Next due \$168.3 ACTY. • Perform ground runs, magneto check and check for leaks. No defects or leaks noted. • Check AD's through ATP Content Revision 1/04/2020.				
"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.				
I certify that this Engine has been inspected IAW an "ANNUAL" inspection and was determined to be in Airworthy condition.				
Date: 1/10/2020 Sign:  Josh Rock for CRS-IGXR989E WOH SH22644				



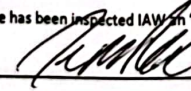
Engine Log Entry
 N9338P Piper PA24-260C S/N: 24-4836
 Airframe Hours: 3077.0 Tach Airframe: 3077.0 TT
 Lycoming IO-540-N1A5 S/N L-7410-48
 ETSOH: 625.0

Complied with the following items:

- Perform Pre-Annual Ground performance runs and operational checks.
- Inspected engine IAW FAR Part 43 Appendix D.
- Perform engine compression test: 1) 76/80, 2) 74/80, 3) 74/80, 4) 76/80, 5) 78/80, 6) 76/80.
- Drain engine oil. Inspected engine oil filter and screen for metal, (routine-none found).
- Install new oil filter PN CH48110-1. Torque and safety into position.
- Clean, test, gap and rotate spark plugs.
- Service engine with 11 Qts of Aeroshell 15W-50.
- Cleaned Fuel injectors and fuel screen.
- C/W AD2015-19-07 inspection of fuel injection lines and clamps. No defects noted. Next due \$177.0 ACTT or 2/2022.
- Perform ground runs, magneto check and check for leaks. No defects or leaks noted.
- Check AD's through ATP Content Revision 2/26/2022.

"The above items were complied with per the "Manufactures Maintenance Procedures". This engine is "Approved for Return to Service" for work performed.

I certify that this Engine has been inspected IAW an "ANNUAL" inspection and was determined to be in Airworthy condition.

Date: 3/1/2021 Sign:  Josh Rock for CRS-IGXR989E WOH SH23422

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TIMEDESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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HERITAGE
AVIATION

Airframe Log
 N9338P Piper PA24-260 S/N: 24-4835
 Airframe Hours: 3086.4 Tach Airframe TT: 3086.4
 338.4 Hobbs

Complied with the following items:

- Troubleshoot Hard Start condition to bad Ignition Vibrator points. Removed and replaced Ignition Vibrator points Assy. PN 10-176487-121 IAW TCM 5-200 series Magneto MM, XA2002 Ops check good. Engine starts normally with no defects noted.

"The above items were complied with per the "Manufactures Maintenance Procedures". This aircraft/engine is "Approved" for Return to Service" for work performed.

Date: 06/21/2021 Sign: _____

Bryan Allard For Cert# CRSIGXR989E WO#SH23918

HERITAGE
AVIATION

N9338P – Piper PA24-260C s/n: 24-4836
 ENGINE Lycoming IO540-N1A5
 s/n: L-7410-48 TTSOH: 647.9
 TACH: 3099.9 HOBBS: 3099.9

- Completed engine inspection IAW FAR part 43 appendix D.
- Compressions/80: 1)62, 2)59, 3)66, 4)64, 5)62, 6)65.
- Drained engine oil. Replaced oil filter with new p/n: CH48110-1, inspected old filter for metal - routine, none noted. Service engine with 11 Qts Aeroshell 15w-50 oil.
- Cleaned/inspected, gapped, & rotated spark plugs, verified correct magneto-to-engine timing, cleaned/inspected fuel injectors, & engine controls checked/lubed.
- Completed pre/post inspection engine run-up checks, no leaks or defects noted, operational tests normal.
- Reviewed and complied with AD's thru Bi-weekly 2022-04.

All items were inspected, repaired, and replaced IAW the manufacture's maintenance procedures. This aircraft is approved for return to service for work performed.
 I certify that this Engine has been inspected IAW an Annual Inspection and was determined to be in airworthy condition.

WO#SH24593

01/March/2022

Jared Wamsganz
 CRS#IGXR989E

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