

1970 Time when Rebuilt

ENGINE LOG

PIPER AIRCRAFT CORPORATION

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

Part No. 230 716

ENGINE DESCRIPTION

Manufacturer:

Locomotion

Serial No.

1-24052-30A

Horsepower:

180

Model:

0-360-A4m

FAA T. C. No.

E-286

[illegible]

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
2059-10-07		Lycoming N/A P/CW			6-21-90 R. B. B.
64-16-05		" N/A By P/N			6-21-90 R. B. B.
66-20-04		" N/A By S/N			6-21-90 R. B. B.
73-23-01		" N/A By S/N NOT Overhauled			6-21-90 R. B. B.
75-08-09		" N/A By S/N			6-21-90 R. B. B.
79-10-03	R2	" N/A By Dash #			6-21-90 R. B. B.
79-15-02		" N/A By Dash #			6-21-90 R. B. B.
80-04-03	R2	" N/A By Dash #			6-21-90 R. B. B.
80-14-07		" N/A By Dash #			6-21-90 R. B. B.
* 81-18-04	R2	" Due AT 2000hr T.T.			Oil Pump Gears R. B. B.

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
87-10-06		Lycoming: N/A By P/N			L-27-90 Q. Q. Q.
89-13-02		" N/A: By model #			L-27-90 Q. Q. Q.
90-04-06		" Prop. Gov. Line N/A: No Governor			L-27-90 Q. Q. Q.
81-15-03		Brockitt Air Filters N/A: By P/N			L-27-90 Q. Q. Q.
77-12-05		Champion - Oil Filters N/A: By P/N			L-27-90 Q. Q. Q.
63-22-03		Manuel-Schebler Carb. N/A Has V-stamped			L-27-90 Q. Q. Q.
66-05-04 R1		" "	" PC/W	3BA1-84A L-24-84	
69-24-03		" "	" N/A By model #		L-27-90 Q. Q. Q.
72-06-05 R2		" "	" N/A By Arm Configuration		L-27-90 Q. Q. Q.
89-04-02		Facet Carb. N/A By P/N			L-27-90 Q. Q. Q.

A.O.'s

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

Service Bulletin No.	Item	Subject and Remarks (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
84-26-02		Induction Air Filter N/A	Has Bracket	6-23-90	Q. B. L.
86-01-06		Vacuum Pump (Airborne) - N/A	By mod. 1#	6-23-90	Q. B. L.
64-01-01		" " " N/A	By mod. 1#	6-23-90	Q. B. L.
76-16-02		" " " N/A	By mod. 1#	6-23-90	Q. B. L.
79-13-08		" " " N/A	By S/N	6-23-90	Q. B. L.
79-26-05		Aircraft Metal Products - Fuel & Oil Lines	N/A Not Installed	6-23-90	Q. B. L.
80-25-07	RI	Stewart-Warner Oil Coolers	N/A - Has Harrison	6-23-90	Q. B. L.
74-18-05		Slick Mags N/A	By mod. 1#	6-23-90	Q. B. L.
80-06-05		" " N/A	By RT - mod. 1# Left - S/N	6-23-90	Q. B. L.
81-16-05		" " N/A	By S/N -	6-23-90	Q. B. L.

ON ENGINE AND ENGINE ACCESSORIES

Service Bulletin No.	Item	Subject and Remarks (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
91-14-22		Crankshaft gear retaining bolt	Due at overhaul, after sudden stoppage	propeller strike gear train repair	
92-12-05		Piston Pins - N/A by	S/N and date of	MFG.	
93-11-11		Fuel pump - N/A pump by	NOT overhauled Aero Accessories	during date	Ken Grunden AEP1524459
94-01-03	ri	Magneto failure -	M/p by	magneto model	Ken Grunden AEP1524459
94-06-09		magneto grounding -	M/p by	magneto model	Ken Grunden AEP1524459
94-14-13		detonation - N/A Number not on list			Ken Grunden AEP1524459
		major overhaul 4-24-96			

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2/15/78	Brought Forward →	63.0		
Inspected Engine in accordance with a 50 hr. inspection using check list provided by Piper A/c.				
PHILTON CORPORATION Used 89440 w/ overhaul.				
This aircraft / Engine is approved				
for return to service.				
Mechanic name David R. Sparrow				
Certificate # AI 1992007				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
3/24/78 Total time 100.0 Inspected Engine in accordance with a 100-hr. inspection, changed oil and filter (40W/Maxwell) Compression check #1 $\frac{76}{50}$ 3 $\frac{76}{50}$ 2 $\frac{75}{50}$ 4 $\frac{75}{50}$ PHILTON CORPORATION		
This engine / Engine is approved		
For return to service. Mechanic name <u>Louis B. Simon</u>		
Certificate # <u>1992047</u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6/8/78	Brought Forward →	203.		
Inspected Engine in accordance with a 100 hr. inspection, change oil & filter, retuned both mag. and washed Engine Test run OK.				
PHILTON CORPORATION				
This aircraft / Engine is approved				
for return to service.				
Mechanic name <u>David B. Sparrow</u>				
Certificate # <u>MD 1992047</u>				
Total To Carry Forward				

and Remarks

10-678 T.T. 300, h.

Signature

Certificate No.

Inspected Engine in accordance with
@ 100 h. inspection. Compression check all
cylinders $\frac{76}{80}$ changed oil and filter
work and run up check OK.

PHILTON CORPORATION

This ~~engine~~ / Engine is approved

☐ for return to service

Mechanic name

David B. Luman

Certificate #

AP 1992047

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	changed oil & filter, cleaned plugs changed & checked timing			
	I certify that this <u>Engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in airworthy condition. Date <u>April 19</u> A <u>31057</u> Sig. <u>Jon R. Springer</u> T. T. <u>400</u> No. <u>2449</u>			
Total To Carry Forward				

and Remarks	Signature	Certificate No.
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. Date <u>15 May 79</u> A & E <u>31052</u> <u>0149</u> Sig. <u>John L. Spring</u> T. T. <u>500</u> No. <u> </u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
		changed oil & filter, cleaned plugs, checked timing, all regular service & inspection.		
		I certify that this <u>Engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in airworthy condition.		
		Date <u>18 July 79</u> A & E <u>31052</u> Sig. <u>John R. Springer</u>		
		T. T. <u>579</u> No. <u> </u>		
Total To Carry Forward				

and Remarks

Signature

Certificate No.

changed oil, cleaned plugs, new
oil filter, all regular service
& inspection

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

Date 25 Sept 79 A & E 31052 Sig. [Signature]

T. T. 679 No. [Signature]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	changed oil & filter, cleaned plugs, compression checked good			
	I certify that this <u>Engine</u> has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in airworthy condition. Date <u>2 July 50</u> A & E <u>31052</u> <u>0449</u> Sig. <u>Jon L. [Signature]</u> I. T. <u>923</u> No. <u> </u>			
Total To Carry Forward				

and Remarks

Signature

Certificate No.

changed oil, compression checked
good, all regular services
inspection

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

Date 8 June 81 A & E 71052 Sig. [Signature]

T. T. 1200 No. [Signature]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
30-June-82	Tach Time 1108.3 - Changed oil, filled to 7qt. with Petro-Shell 100W changed oil filter. Cleaned and gapped spark plugs. Cleaned engine, checked for leaks. Engine was inspected in accordance with a 100 hour inspection and was approved for return to service. Douglas H. Tucker AP 25774490			
30 NOV 82.	TACH 1166 HRS. Oil & FILTER Change. 8 QTS AEROSHELL #40 AD. Clean spark plugs. Run-up O.K. HAC W/P # 07918.			Ken Hill
	HUNTSVILLE AVIATION CORP. P. O. BOX 1324. JETPORT HUNTSVILLE, ALABAMA 35807 FAA REPAIR STATION 702-11			KEN HILL 1470738 AP/1A HUNTSVILLE AVIATION
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6-13-83	Brought Forward →	1206 TACH.		Checked comp. 1- ⁷⁴ / ₅₀
	2- ⁷² / ₅₀	3- ⁶⁵ / ₅₀	4- ⁷⁰ / ₅₀	Charged oil & filter.
	Serviced with Ameshell 50 wt. (L). Cleaned, gapped, & rotated spark-plugs. Replaced one spark-plug. Replaced eng air filter. Replaced Rocker Box cover gaskets. Checked for fuel & oil leaks. Checked for exhaust & intake leaks. Checked carb heat box. Checked & painted Prop. De-greased eng. & ground run. Checked for oil leaks. Put cowl on.			
Total To Carry Forward				NEXT PAGE →

and Remarks	Signature	Certificate No.
I Certify That This (Engine, Aircraft) Has Been Inspected In Accordance With An Annual Inspection And Was Determined To Be In Airworthy Condition.		
Date <u>6-13-53</u>	H/Meter <u>1206</u>	
MIKE H. TERRY A & P 422804606	<i>Mike H Terry</i>	
BOYLES AVIATION, INC. Muscle Shoals Municipal Airport Muscle Shoals, AL 35660 383-3012		
Work Order No. <u>1003</u>		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6-13-83	Brought Forward →	1210. TACH.		Removed ALTERNATOR
		Replaced Bearings, Brushes, & STATOR. Put ALTERNATOR BACK on eng. Replaced voltage regulator.		
		Ground Run. Checked OK.		
			MIKE H. TERRY	
			A & P 422804606	
		MIKE H. TERRY		
3 NOV 83.	TACH 1259 HRS.	OIL & FILTER change.		Visual
	INSP & Run-up.	REF ACFT log for ALTERNATOR chg.		
	8 QTS Aeroshell #50 AD.			Ken Hill
			KEN HILL	
			1470738 AP/1A	
			HUNTSVILLE AVIATION	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
29 Dec 83 - Tach 1271 - HAC w/o # 8595 -		
HUNTSVILLE AVIATION CORP. Changed Oil + Filter - 8 qts 40wt		
P. O. BOX 1324, JETPORT		
HUNTSVILLE, ALABAMA 35807		
Acro Shell - Visual Insp + Run-up.		Washed eng.
GRO. Run up LEAK ck. OK.		
	SIGNED <u>R. Carrell</u>	INSPECTOR FOR
	HUNTSVILLE AVIATION CORP. P. O. BOX 1324	
	HUNTSVILLE, ALA. 35807 FAA APPROVED	
	REPAIR STATION #702-11	
*Vacuum Pump in Stalled @ Central Flying		
Service Little Rock, Ark on 2-10-84 @ 1235.1 hrs		
Work order copy in Airplane maint file not entered		
in log by Central. H. Jurey 2/11/84		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
26 June 84	Brought Forward	4 Total Tach 133 hrs	INSPECTION. ROUTINE PREVENTIVE MAINTENANCE AND SERVICE. REF. HAC WFO # 8985.	
	Changed Oil & Filter serv with 50W Aeroshell. Comp CK OK install 8 EA REPL 40E Plugs. Mag Timing OK CW Marvel Schebler 5/B A184. Carb Mod. Washed Engine Ground Run-up OK			
I certify this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection procedure and was determined to be in an <u>airworthy</u> condition			SIGNED <u>Charles W. Duke</u> INSPECTOR FOR HUNTSVILLE AVIATION CORP. P. O. BOX 1324 HUNTSVILLE, ALA. 35807 FAA APPROVED REPAIR STATION # 702-11	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
11-14-84 1351- TACH Removed and replaced Alternator with Re-man unit from Quality Accessories, Refer to yellow tag. Alternator installed is P/N-3656624 S/N-13037. Ground run & checked. Mike H. Terry	MIKE H. TERRY A & P 422804606	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance		
	This Date	Since Major				
13 May 85	Brought Forward →	TOTAL + TACH	1397 HRS.			
INSPECTION. AND SERVICE	ROUTINE PREVENTIVE MAINTENANCE REF. HAC W/O # <u>09608</u>			OIL & Filter changed. 8 QTS Aeroshell #50 AD.		
Compression & timing checks OK. INSTALL EXCHANGE MAGNETO 4th Position (42512 SN 4110040). MAINS release attached. Wash & Run-up OK.				I certify this <u>ENGINE</u> has been inspected in accordance with <u>ANM 112</u> inspection procedure and was determined to be in an <u>airworthy</u> condition		
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OF APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS STATION UNDER WORKORDER # <u>9608</u> DATED <u>5/9/85</u> .				SIGNED <u>Kent Lee</u> INSPECTOR FOR HUNTSVILLE AVIATION CORP. P. O. BOX 1324 HUNTSVILLE, ALA. 35807 FAA APPROVED REPAIR STATION # 702-11		
Total To Carry Forward						

and Remarks

Signature

Certificate No.

26 May 86 TACH # TOTAL 1489 HRS

Huntsville Aviation Corp.

INSPECTION, ROUTINE PREVENTIVE MAINTENANCE
AND SERVICE REF. HAC W/O # 10309

Jetplex

P.O. Box 6063

Huntsville, AL 35806

CHANGED OIL & OIL FILTER. SERVICED

eng WITH 8QTS 50WT AERO-SHELL. mag timing

ck good. compression ck all cyl's o.k. cleaned & serviced

spark-plugs. REPLACED ALL ROCKER BOX COVER WASHERS.

eng. Ground Run & Load ck o.k. - end -

I certify this engine has
been inspected in accordance with
a ANNAH inspection procedure
and was determined to be in an
airworthy condition

SIGNED S. J. [Signature] INSPECTOR FOR
HUNTSVILLE AVIATION CORP. P. O. BOX 1324
HUNTSVILLE, ALA. 35807 FAA APPROVED
REPAIR STATION # 702-11

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance					
	This Date	Since Major							
6/4/87	Brought Forward →	TOTAL & TACH 1570 HRS.							
INSPECTION. ROUTINE PREVENTIVE MAINTENANCE AND SERVICE. REF. HAC W/O # 1570									
OIL & FILTER change. 8 QTS AEROSHELL #50 AD. Compression & timing checks O.K. Ref AIRCRAFT log for exhaust system repairs. Runup O.K.									
I certify this <u>ENGINE</u> has been inspected in accordance with <u>an Annual</u> inspection procedure and was determined to be in an airworthy condition									
SIGNED <u>Ken Hill</u> INSPECTOR FOR HUNTSVILLE AVIATION CORP. P. O. BOX 1324 HUNTSVILLE, ALA. 35897 FAA APPROVED REPAIR STATION #702-11									
Total To Carry Forward									

and Remarks	Signature	Certificate No.
6/13/88 TACH & TOTAL 1702. INSPECTION. ROUTINE PREVENTIVE MAINTENANCE AND SERVICE. REF. HAC W/O # <u>11273</u>.		
OIL & FILTER CHANGE. 8 QTS AEROSHELL #50 AD. Compression & timing checks O.K. Wash & Run-up O.K.	HUNTSVILLE AVIATION CORP. JETPLEX P.O. BOX 6063 HUNTSVILLE, AL 35806	certify this <u>ENGINE</u> has been inspected in accordance with <u>Annual</u> inspection procedure and was determined to be in an airworthy condition
NOTE: COMPLIANCE WITH MANUFACTURERS SERVICE DATA (BULLETINS, LETTERS, MEMOS, ETC.) IS AS NOTED ONLY, EXCEPTING DATA WHICH IS ASSOCIATED WITH AIRWORTHINESS DIRECTIVES OR COVERED IN ROUTINE PREVENTIVE MAINTENANCE.	SIGNED <u>Ken Hice</u> HUNTSVILLE AVIATION CORP. P. O. BOX 1324 HUNTSVILLE, ALA. 35807 REPAIR STATION # 702-11	INSPECTOR FOR FAA APPROVED

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Feb 20, 89	Brought Forward →		1759.7	Perform
	Compression Test ①		$\frac{75}{80}$ ② $\frac{75}{80}$	
	③ $\frac{78}{80}$	④ $\frac{78}{80}$		James H. Smith
				AF421783250
3-21-89	Clean & gap S-plugs. Clean cigarettes,			
	Change oil, Gulf #50 A-D. Change oil			
	filter, Champion #CH48110. TACH = 1771.5 hr.			
	Wash down engine & cooling.			
	Bruce E. Smith ASE #434224			
Total To Carry Forward				

and Remarks	Signature	Certificate No.
June 16, 1989 Tech 1781.26 changed oil changed oil filter installed new shell 15W50 oil checked #1 74/80 #2 74/80 #3 74/80 #4 74/80		
I Certify that this ^{airplane} aircraft has been inspected in accordance with a General Inspection and was determined to be in Airworthy condition. Work Order No. <u>8905401</u> Date <u>June 16, 1989</u> Total Time In Service: <u>1781.26</u> Signed <u>[Signature]</u> ALPHIN AIRCRAFT, INC. — Hagerstown, MD 21740 FAA Approved Repair Station No. 121-12		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
01-3-90	Brought Forward →	TAC. 1822.9		
	CHANGED OIL AND FILTER, CLEANED			
	OIL SCREEN. 8 QT EE-80 OIL. ENGINE RUN-UP			
	OK.			
			William S Lee	AVP 2088524
5/24/90	TACH = 1855.14	Installed SLICK MAGNETO		
	#4270 5/11 90020458 on R.H. Position. ENGINE			
	Run & CK. Normal	A. Andrew King		
		APR 23 504741		
Total To Carry Forward				HOWARD AIRCRAFT INC.

and Remarks	Signature	Certificate No.
5 June 1990 1858 Tach - Drained oil, changed oil filter using CH48110 - serviced with 8 Qts EE 100 oil - Run up + leak check OK Miles Gallaher - ATP 148160526		
13 Dec 1990 Tach 1880.8 Drained oil removed filter - installed new CH48110 filter and serviced with 8 Quarts Aeroshell 80 - installed winter plate on oil cooler Duct. Run up + leak check OK Miles Gallaher - ATP 148160526		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →		11,018 RPM	
7-8-90		Annual Insp.	Visually Insp Engine & Cooling	
Tach = 1800		Insp Ex & Induction Systems Insp.		
		Start. & Alternator, Gylced & Insp.		
		Oil Filter, Cleaned & Gylced All Spark		
		Glys. checked w/ing External Timing		
		Insp. Cleaned All Fuel & Air Filters & Comb		
		Bowl Drained, Insp. & Lubed All Controls		
		Compression Test = #1 = 18/80 #2 = 16/80		
		#3 = 18/80 #4 = 17/80 Wash Down Engine & Cool		
Total To Carry Forward		See Front of Log For A.D Compliance		

and Remarks	Signature	Certificate No.
Run Up T-37 Flight OK, T.O.T. 1 Time = 1866.4 Not A.D. 81-18-04R2 Du. AT 2,000 ft. 7-8-90 <i>[Signature]</i> A & P #2050161 IA		
"I certify that this Engine... has been inspected in accordance with ... <i>[Signature]</i> ... inspection and was determined to be in airworthy condition."		
Date 7-8-90 ... T.T. 1866.4 ...	Signature <i>[Signature]</i> ... A & P #2050161 IA	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
AUG 2, 1991	Brought Forward →	TAC 1922		
Change oil and filter, checked compression and timing, clean and gap plugs, clean fuel screens, removed exhaust, clean, inspect and reinstalled, replaced #3 rocker cover gasket, Adjust alternator belt, check controls. Visual inspection of engine, check list 230-1039. A.D.'s are complied with except				
- AD-81-18-04 r2 is due at 2000 Hours total time -				
Compression	TOTAL HOURS		I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in an airworthy condition.	
1 = 17/80 2 = 76/80	1922		B-2-91 Kenneth L. Grindle	
3 = 17/80 4 = 74/80			Date AEP/524459 J.A.	
Total To Carry Forward			C.J.A.M.I., CUMBERLAND AIRPORT, WILEY FORD, WV	

and Remarks	Signature	Certificate No.
Sept 11, 1992 Tac- 1942		
CHANGED OIL and FILTER, checked compression and timing.		
Replaced AERODUCT TO OIL cooler and Carb heat box.		
Visual inspection of engine and controls per Piper checklist		
230-1039.		
A.D. 81-18-0412 ^{OIL pump} does NOT Apply by Serial Number Lyc SB456 ref.		
AD-90-04-06 - OIL Line Fracture - does NOT Apply. NOT installed		
AD 91-14-22 Crankshaft gear retaining bolt - due at overhauls		
After propeller strike, sudden stoppage, or whenever gear		
Train is repaired		
AD 92-12-05 Piston Pins - N/A by S/N and date of MFG.		
OVER →		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Sept 11, 1992	Brought Forward →	Tac = 1942		
Continued From previous page - - - - -				
ENGINE TOTAL hours = 1942				
Compression	1 = 75/80		I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>100 hr / Annual</u> inspection and was determined to be in an airworthy condition	
	3 = 76/80			
	2 = 75/80			
	4 = 76/80			
			Date Sept 11, 1992 A&P <u>Kenneth E. Grunden</u> 1524459 I.A.	
			CJ.A.M.I., CUMBERLAND AIRPORT, WILEY FORD, WV	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

Sept 22, 1993

720 1951

changed oil and FILTER, checked Compression and Timing
 replaced #2 lower sparkplug, Visual inspection engine and Controls
 per Piper checklist 230-1039. AD's listing thru date are complied
 with. AD 93-11-11 fuel pump doesn't Apply. Pump NOT Overhauled
 by Aero Accessories thru date.

TOTAL hrs = 1951

Compression

1 = 76/80 2 = 75/80

3 = 76/80 4 = 76/80

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

9-22-93

Date

A&P 1524459 J.A.

C.J.A.M.I., CUMBERLAND AIRPORT, WILEY FORD, WV

NEW

Nicrocraft ~~NEW~~ OVERHAULED PART PRODUCT WARRANTY CARD

PART NUMBER

PIM 0007

WCC S/N

3-654

Maintenance

PLEASE FILL OUT THIS PORTION AND RETURN ENTIRE CARD TO WALL COLMONOY CORP.

Make and Year of Aircraft

Piper PA 28-181

Aircraft S/N

28-7890208

No. of Engine Hrs. @ Installation

1956

Date of Installation

11-1-94

Company Installing

Corporate Jets Airport Management

Purchased From

AVIALL

Date of Purchase

10-23-94

No. of Engine Hrs. on Exhaust Part which was replaced by this part

1956

FRONT MUFFLER

The Product Warranty Card must be filled out completely and returned to Wall Colmonoy Corporation within five (5) days of the exhaust part's installation. If the Product Warranty Card is not received at Wall Colmonoy Corporation's facility within ten (10) days of installation, the limited warranty is void. Refer to Nicrocraft catalog for warranty provisions.

g. clean

NEW,

MUFFLER

Serviced

15THG Thru

Compression

1=75 2=74 3=74 4=70

Total To
Carry Forward

an airworthy condition

11-1-94

Date

Kenneth E. Grawdon
A&P 1524459 J.A.

C.J.A.M.I., CUMBERLAND AIRPORT, WILEY FORD, WV

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Nov-1-1994	Brought Forward →	t2c = 1956		
Changed oil and Filter, checked compression and Timing, clean and gap plugs, Replaced primer Flexible hose with NEW, replaced Air Filter New bracket BA-3, Replaced Front muffler with NEW Well Colony P1M007 SN 3-654, Engine serviced and inspection per Piper checklist 230-1039. AD's 1,5TWS Thru date are completed.				
TOTAL HRS = 1956		I certify that this ENGINE has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in an airworthy condition 11-1-94 <u>Kenneth E. Gendron</u> Date <u>A&P 1524459 J.A.</u>		
Compression				
1=75 2=74 3=74 4=70				
Total To Carry Forward				

C.J.A.M.I., CUMBERLAND AIRPORT, WILEY FORD, WV

and Remarks

Signature

Certificate No.

23 May '95 Tach 1963.74

Drained engine oil - Changed oil filter -

CH 48110. Serviced with 89ts

shell oil w 100 - Run up
and leak check O.K.

miles Gallahy 148160526

DATE April 24, 1996 N 6081H SERIAL NO. L-24052-36A

MODEL 0-360-A4M W.O. 9601028A

Tach Time: 1970.5 MAJOR ENGINE OVERHAUL

Engine disassembled & cleaned. Crankcase checked & inspected & checks out within manufactures new tolerance crankshaft magnafluxed dim. checked and is within new tol. (see yellow tag). Replaced camshaft and lifters (see yellow tag attached). Connecting rods checked and rebushed and are in new tol. Installed 4ea. new Lyc. cylinder assy. kits P/NLW12427 including valves, piston, pins & ect. Also replaced the following parts: Impeller Kit #SL18109A-S, 1ea. gear, rear crankshaft 61155, bearings 2 main rear SL11020, main inner 2ea. SL11020, 2ea. main front SL13884, 1ea. camshaft LW76097, 4ea. tappet body P/N 72877, 4ea. tappets 72877, 7ea. push rods 15F1995-7-36, 8ea. bearing inserts SL13521, 4ea. bushings SL13923A, 8ea. bolts SL75061, 8ea. nuts SL12186, 4ea. pistons 75089, piston pins 4ea. LW14077, 8ea. piston pin end plug, 1ea. ring set 74241, 4ea. rocker arm bushings. intake SL60398, 4ea. rocker arm bushings, exhaust SL74637, 4ea. rocker arm pins SL13790, 8ea. rocker arm pins end buttons SL12892, 1ea. ignition harness M4005, 1ea. starter model MS4218, alternator 3656624, 1ea. oil filter CH48110, 1ea. fuel pump 40295, 1ea. gasket set SL75439-1.

Engine assembled using new seals and gaskets, torqued to manufactures spec. Alternator, starter, fuel pump, engine run in and checks out ok.

Tc
Ct

Thurmon L. P. Lin

and Remarks

Signature

Certificate No.

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

DATE: 4-24-96 TACH TIME: 1970.5

WORK ORDER NO. 9601028

SIGNED: [Signature]

ALPHIN AIRCRAFT, INC. FOR GRS K01433K

IA176878

LW 12427 cyl

ALPHIN AIRCRAFT, INC.

14235 OAK SPRINGS RD.
HAGERSTOWN, MD 21742

CRS-KU1R283K

#1

P/N 05K21104

S/N

SERVICEABLE

Part Name Cyl/Piston Assy Kit

WO# 9601028A

Remarks: New

This aircraft and/or component was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

4/24/92

Kalidmore
AUTHORIZED SIGNATURE

DATE

LW 12427 cyl

ALPHIN AIRCRAFT, INC.

14235 OAK SPRINGS RD.
HAGERSTOWN, MD 21742

CRS-KU1R283K

#2

P/N 05K21104

S/N

SERVICEABLE

Part Name Cyl/Piston Assy Kit

WO# 9601028A

Remarks: New

This aircraft and/or component was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

4/24/92

Kalidmore
AUTHORIZED SIGNATURE

DATE

LW 12427 cyl

ALPHIN AIRCRAFT, INC.

14235 OAK SPRINGS RD.
HAGERSTOWN, MD 21742

CRS-KU1R283K

#3

P/N 05K21104

S/N

SERVICEABLE

Part Name Cyl/Piston Assy Kit

WO# 9601028A

Remarks: New

This aircraft and/or component was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

4/24/92

Kalidmore
AUTHORIZED SIGNATURE

DATE

LW 12427 cyl

ALPHIN AIRCRAFT, INC.

14235 OAK SPRINGS RD.
HAGERSTOWN, MD 21742

CRS-KU1R283K

#4

P/N 05K21104

S/N

SERVICEABLE

Part Name Cyl/Piston Assy Kit

WO# 9601028A

Remarks: New

This aircraft and/or component was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service.

4/24/92

Kalidmore
AUTHORIZED SIGNATURE

DATE

LW 12427 Cyl

ALPHIN AIRCRAFT, INC.

14235 OAK SPRINGS RD.
HAGERSTOWN, MD 21742

CRS-KU1R283K

#1

Maintenance

P/N 05K21104

S/N

TABLE

Part Name

Cyl / Piston Assy Kit
9621001

Copy of Yellow TAGS in back of Log.

Ref AD 97-01-03

* Defective Parts were AFTER 12-15-95
and these parts were produced prior to that date

Verified by phone call to Alphin Aircraft
and Letter enclosed in Logbook

and Remarks	Signature	Certificate No.
May 9, 1997 TAC = 1981		
change oil. Fill with mineral oil Aeroshell 40WT. remove, inspect and replace OIL FILTER. Check Compression and Timing, clean & adjust sparkplugs. Engine serviced & inspection per Piper Form 230-1039. AD's Listing are Compliant with- list in front of book		
T.T. Smoh = 11 hrs.	I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in an airworthy condition <i>Kenneth E. Crowder</i>	
	Date 5-9-97 A&P 1524459 J.A.	
	C.J.A.M.I., CUMBERLAND AIRPORT, WILEY FORD, WV	
Compression 1=75 2=78 3=77 4=78 (new 80)		

ENGINE LOG

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

ALPHIN AIRCRAFT, INC. • CERTIFIED REPAIR STATION: CRS KUIR283K
14235 OAK SPRINGS ROAD, HAGERSTOWN, MD 21742 • 301/733-7604

DATE 5-21-97 N 6081H SERIAL NO. 28-7890208
 MODEL PA-28-181 W.O. 9601028A

The Factory New Cplinders Part # LW12927 installed on engine serial #L-24052-36A Were MFG.IN 1992
 AD Note AD-97-01-03 does not apply to Kit #05K21104 with mfg. date of 1992.

T. S. Alphin

and Remarks

Signature

Certificate No.

6-25-98 Tac 1989

Changed oil and Filter. Fill with Aeroshell 50 mineral oil,
 Check compression and timing, Tighten oil cooler fittings,
 Replaced induction filter BA-3, Secured fuel pump overboard vent
 hose with TY-wraps. Engine Serviced & Inspection per Piper Form
 230-1039

AD-97-15-11 prev. clw See AD 97-01-03 Piston Pins

AD-98-02-08 does NOT apply Model O-360-AHM crankshaft

TOTAL hrs = 1989

T.T. SMOH = 19 hrs

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

6-25-98

Kenneth Crowder

Date

A&P 1524459 I.A.

 $1 = \frac{78}{80}$ $2 = \frac{79}{80}$ $3 = \frac{79}{80}$ $4 = \frac{78}{80}$

Compression

CUMBERLAND AIRPORT, WILEY FORD, WA

and Remarks

7-25-00

TACH: 2007

Signature

Certificate No.

Performed Compression test #1 $74/80$ #2 $75/80$ #3 $75/80$
#4 $74/80$ Changed oil + filter. CH48110 + 7Qts Aerashell

15W-50. Replaced Alternator belt. Replaced EGT Gage/Probe
see Ad listing 7-26-00. Assy P/N 46150 S/N 243620
ALCOR Products

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

ATP IA 213 944911 Howard E. Naff Jr.

ENGINE LOG

Compression

Date	Engine Time		Recorder Reading	1=76 2=75 3=73 4=76 over 80 psi Maintenance
	This Date	Since Major		
8-24-01	Brought Forward →	Tac 2017	T.T. = 2017	SMOH = 47 hrs
changed oil and Filter, inspect old filter NO metal present.				
Installed New CH48110 filter and Add 8 qts Aeroshell 15W-50 oil.				
checked Compression and Timing, clean & gap sparkplugs. Replace				
Air Filter Brackett BA-3, Repair ground wire TO ALTERNATOR,				
Remove Carburetor and Reinstall After Overhaul 10-5193 S/NCP-1-543				
Columbia Aircraft W.O. # 019866, Engine Serviced & inspection per				
Bun Air Checklist. ADS listing thru date are Complied with. I certify				
that this Engine has been inspected in accordance with An Annual Inspection				
and was determined to be in an Airworthy Condition				
Total To Carry Forward			Kenneth E. Gravelle ACP1524459 T.M.	

and Remarks	Signature	Certificate No.
8-15-02 Performed compression test #1 $\frac{74}{80}$ #2 $\frac{73}{80}$ #3 $\frac{74}{80}$ #4 $\frac{74}{80}$ changed oil TACH: 2036.92 + Filter. P/N CH48110 Added 8 qts Aeroshell 15W-50. Inspected engine Air filter - clean. Lubricated all engine controls. cleaned/gapped all spark plugs. Torque 35 Ft/lbs. check mag timing. Performed run-up + leak check - good.		
I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in airworthy condition. AIP IA Howard E. Nally Jr.		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Broun For			
		Date: 09/26/2003	Tach: 2047.0	
		Annual Inspection		
		Changed oil and filter P/N CH48110 added 8 Qts Aeroshell		
		15W-50		
		Installed nut AN363-1032 to clamp on air filter housing		
		Stop drilled 1" crack to LF FWD engine baffling		
		Safited 2 bolts to alternator bracket		
		Performed compression test:		
		#1 76/80 #2 70/80 #3 74/80 #4 73/80		
		Checked torque to cylinder base nuts		
		I certify that this Engine has been inspected in accordance		
		with an Annual Inspection and was determined to be in		
		airworthy condition.		
		Date: September 28, 2003	Signed by: <i>H. Wolff</i>	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

Date: 10-01-04

Tach: 2064.56

Performed compression check #1 70 #3 74 #2 77 #4 75
Changed oil and filter. Added 8 quarts Aeroshell 15W-50
Filter P/N CH 48110
Torqued all induction clamps
Replaced all 8 Champion spark plugs REM38E
Degreased lower cowling
Installed 2 rivets baffling seal
Complied with all AD note requirements. See new report.

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

Signed by:

Howard Wolf
A&P IA 21394491

and Remarks

Signature

Certificate No.

Date: 10-16-06

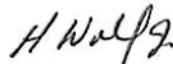
Tach: 2070.09

Compression Test #1 71, #3 73, #2 74 #4 76

6 Hrs on oil since last change

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

Signed by:



A&P IA 213944911

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
10/27/07				
Tach 20767		Remove sensenich prop model # 76EM855-0-60 S/N 18556K from this engine. For overhaul.		
				Adm Ely A/P 3042489
Total To Carry Forward				

and Remarks	Signature	Certificate No.
106/07 Annual Insp. Visually insp. engine + cowling. Oil analysis taken - Found OK. Cleaned + gapped all spark plugs. Checked mag timing. Insp. starter + alternator, replace alternator belt. Insp + clean fuel filters, replace engine BAF induction filter. Insp induction + exhaust system. Compression test over 50 psi. #① 76 #② 77 #③ 75 #④ 76. Replace top carb. intake gasket P/N 66224. Lubed controls. Reinstall Sensenich prop model 76EM845-0-60 S/N 15556K after overhaul from Sensenich. Run up OK TSOH 106.2 See AD report for compliance times. Annual Insp done I/A/w FAR 43 App D and insp. sheets.	(CONT. →)	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	(Cont.)		
11/6/07			I certify that this engine has been insp. I/A/w Annual insp and ^{was} has determined to be in air worthy condition this date Adon Ely 3042439 IA	
Tach	2076.7			
1/19/08			Change oil and filter. No metal found. Service with Aeroshell 100 o.i. Run up ops chk OK. Adon Ely A/P 3042439	
Tach	2097.8			
Total To Carry Forward				

and Remarks

Signature

Certificate No.

Tach 2147.1

1/16/08

50 HZ insp change oil & filter.

no metal found. service with Aeroshell 50AD

Run up - ops chk - ok. Adam Ely A.P. 1042439

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12/5/08	Brought Forward →			
Tach 2167.58				Annual Insp. visually insp. eng. & cowling. Clean & rep
-1970.5				spark plugs. Check mag. timing. Insp. Starter & Alternator.
TSON 197.0				INSp & clean Fuel Filters. Insp. induction system. Replace forward
				exhaust muffler w/ P/N A66894-03 s/n 7453 From Aerospace Welding
				Compression test over 80 psi, #1 78 #2 77 #3 79 #4 78. AD 2008-
				19-05 ECI - N/A per none installed, see AD report for compliance
				times. Annual Insp. done I/A/w FAR 43 App. D & insp. sheets. Run up &
				ops check. I certify that this engine has been insp. I/A/w Annual
				insp. was determined to be in airworthy condition this date.
Total To Carry Forward				Adm. Log 3042437.5A

and Remarks	Signature	Certificate No.
Annual Insp. Visually insp engine & cowling. Clean & gap spark plugs, chk mag timing. Insp starter - alternator. Insp induction system & exhaust. Replace engine air filter. Compression test over 80 psi: #1 77 #2 77 #3 76 #4 76. Change oil &		2/2/10 Tach 2170.88 - 1970.50 T30H 220.38
ltes. no metal found. service with Aeroshell 100AD. Annual insp. over I/A/w For 43 App D - insp sheets. See AD report for AA sting & compliance times. Run up & ops chk ok. I certify that this engine has been insp I/A/w Annual insp and was determined to be in airworthy condition this date Adm Enly A/P 3042439 IA		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/30/10	Brought Forward →	.		
Tach 2195.12	Replace oil	Four cylinders valve cover gaskets.		
	pln RG-75906.	Run up ops chk ok.	Adm Ely	AP3012439
6-10-10	2239.4	Change oil AND FILTER, CUT FILTER NO metal found, SERVICED with AEROSHELL 15W-50		
		7 ops Run up ops check LEAK check OK		
		IPW Piper s/m Approval for Return to SERVICE		
			AP3452632	
9-30-10	2311.1	Change oil AND FILTER SERVICED with AEROSHELL 15-50 CUT FILTER (NO METAL)		
Total To Carry Forward		Approval for Return to SERVICE		
		OPS check OK		AP3452632

OVERHAULS

Work Done By	Certificate No.	Returned to Service		
		By	Certificate No.	Date
3/26/11 TACH - 2329.5 - 1970.5 TSolt 359.0		COMPRESSION CHECKED 78, 76, 76, 76 IRON P & LEAK CHECKED OK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN A WORTHY CONDITION	AP30797421A	
4-25-11 TACH 2350.2		Repaired front crank seal P/W LW1897 OPS AND LEAK CHECK OK IAW LYCOMING m/m	AP3452632	

ENGINE LOG

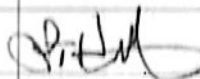
Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	 Moonlight Aviation LLC Date 6-14-11 Tach 2379.3 DRAIN OIL + CUT OIL FILTER NO METAL FOUND SERVICE ENGINE WITH 7 QTS. AS 15W-50, LUBE AIRFRAME, INSTALLED CH48110 OIL FILTER R+R CO-PILOT'S 3 POINT SEAT BELTS WITH NEW UNITS FROM AMSAFE, LEAK AND OPS CHECK OK TAW PIPER S/M APPROVAL FOR RETURN TO SERVICE <i>[Signature]</i> AP3452632		
3-24-12	2462.5	COMPRESSION CHECKED. MADE MINOR REPAIRS TO CABIN HEAT DUCT & SHROUD. CLEANED SPARK PLUGS DOWN & LEAK CHECKED OK. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED TAW AN ANNUAL		
Total To Carry Forward				

and Remarks

Signature

Certificate No.

INSPECTION AND WAS DETERMINED TO BE IN
WORKING CONDITION.

 AP30792421A



Moonlight Aviation LLC

Date 9-2-11 Tach 2439.2

R/R ENGINE OIL AND COT FILTER NO
METAL FOUND SERVICED WITH 7
QTS. AS15W-50 INSTALL CH48110
OPS AND LEAK CHECK OK TAW PIPEX/IN
APPROVAL FOR RETURN TO SERVICE
 AP3052672

and Remarks

Signature

Certificate No.



Moonlight Aviation LLC

Date 4-24-2013 Tach 2558.9

DRAINED OIL AND CUT FILTER (NO METAL) SERVICED W/ 7 QTS AeroShell 15W-50 INSTALLED CH48110 / REPAIRED MISSING OIL PAN BOLT / O/S AND LEAK CHECK OK IAW PIPER M/M APPROVAL FOR RETURN TO SERVICE *[Signature]*

AP3452632



Moonlight Aviation LLC

Date 10-3-2013 Tach 2608.4

DRAINED OIL AND CUT FILTER (NO METAL) INSTALLED CH48110 AND SERVICED W/ 7 QTS AS 15W-50 O/S AND LEAK CHECK OK IAW PIPER M/M APPROVAL FOR RETURN TO SERVICE

[Signature]
AP3452632

N6081H 3/25/2014 Tach - 2628.0
ENGINE SMOH - 658 PROP SOH - 552

Compression checked ok, all mid 70 & above.
Changed oil & filter. Inspected filter element ok.
Cleaned sparkplugs. Checked & reset mag timing.
Runup & leak checked ok. Checked grounding of
ignition switch. Adjusted idle mixture.

I certify that this engine has been inspected IAW an
ANNUAL INSPECTION and was determined to be in
airworthy condition.



L.T. Hewitt AP3079242IA

MOONLIGHT AVIATION LLC

DATE 8-4-2014 TACH

DRAWED OIL AND CUT FILTER (NO
METAL) INSTALLED CH48110 AND SERVICED
WITH AEROSHELL 15W-50 7 QTS. OPS
AND LEAK CHECK OK IAW PIPER
M/M APPROVAL FOR RETURN TO SERVICE

 AP3452632

and Remarks	Signature	Certificate No.
9-2015 TACH 2694.6 TT 2694.6 SMON 724.1		
Drained oil and cut filter (no metal) SERVED with 7 QTS. 15W-50, AOT TAPPING ON 1/4 MPG TO 25° BTDC, COMP TEST #1 ⁷⁴/₈₀ #2 ⁷⁶/₈₀ #3 ⁷⁷/₈₀ #4 ⁷⁸/₈₀, CLEANED, GRAPED AND ROT PLUGS, REPLACED AIR FILTER BS-3, REMOVED 2-UP TIES FROM ENGINE MOUNT AND OIL COOLER HOSES REPLACED 232 SAFETY WIRE ON ENDS OF OIL COOLER HOSES, AOT AT IDLE SPEED TO 700 RPM. OPS AND LEAK CHECK OK I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN AN ANNUAL INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION ON THIS DATE,	Signature	AA7152632IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/17/2016	Brought Forward →	789.4	2759.9	PERFORMED ANNUAL INSPECTION
TT	2759.9	JAW FOR 43	App D.,	DRAWN OIL AND
		CUT FILTER (NO METAL)	INSTALLED CH4B110 AND	
		SERVICED WITH 7 QTS. AEROSHELL 15W50, INSTALLED		
		NEW SPARK PLUGS P/N UREM38E, ADJ. EXT. TIMING		
		TO 25° BTDC., TIGHTENED ALT BELT AND SAFETY,		
		R/R ENGINE AIR FILTER P/N BA-3, CHECKED AS'S SER		
		LIST DATED 3/17/2016, OPS AND LEAK CHECK OK JAW		
		Piper m/n APPROVAL FOR RETURN TO SERVICE.		
	21/ 72/ 80 42/ 74/ 80 43/ 72/ 80 44/ 78/ 80			AP5452632 IN
Total To Carry Forward				

MOONLIGHT AVIATION LLC ^{ENG.}

DATE 8/1/2016

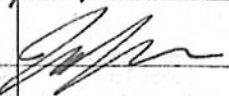
TACH 2780.0

R/R BOTH MAGS WITH O/H UNITS FROM
SLICK L/H 4371 S/N 16070505 R/H 4370
S/N 16070441, R/R BOTH INQ. HARNESS PW
M4001, OPS AND LEAK CHECK OK INW
PIPER M/M, APPROVAL FOR RETURN TO
SERVICE.  AP3452632

Signature

Certificate No.

3/16/2017 TACH 2808.5 SMON 838.0 TT 2808.5

PERFORMED ANNUAL INSPECTION INW FOR 4371. DRAINED OIL AND CUT FILTER
INSTALLED AA48110 AND SERVICED WITH AS 15W-50, CLEANED, GRAPED AND ROTATED
SPARK PLUGS, ADJ L/H TO 25° BTDC, R/R ENG AIR FILTER BA-3, COMP TEST #1 ⁷⁸/₈₀
⁷⁶/₈₀ #2 ⁷⁸/₈₀ #3 ⁷⁵/₈₀ #4 ⁷⁵/₈₀, CHECKED AOS SEE LIST, CLEANED ENGINE, OPS AND
LEAK CHECK OK, APPROVAL FOR RETURN TO SERVICE. 
AP3452632 PA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4/6/2018	TACH 2858.1 SMOM 887.6 TOTAL 2858.1			
	PERFORMED ANNUAL INSPECTION IAW PIPER CHECKLIST AS GUIDANCE, DRAINED OIL AND CUT FILTER NO METAL			
	INSTALL RA48110 AND SERVICED WITH MOBIL 15W-50			
	COMP TEST #1 70/80 #2 74/80 #3 70/80 #4 74/80, CLEANED			
	GRAPED AND ROTATED PLUGS, CHECKED ADS SEE LIST,			
	OPS AND LEAK CHECK OK, R/R AIR FILTER P/N			
	B313. APPROVAL FOR RETURN TO SERVICE.			
Total To Carry Forward				 AP3452632IA

and Remarks

Signature

Certificate No.

CHECKED AD 17-16-11 N/A PER OVERHAUL DATE.

 RP3452632

MOONLIGHT AVIATION LLC

DATE 10/25/2018 TACH 2896.5

DRAWED OIL AND CUT FILTER NO METAL
INSTALLED AA48110 AND SERVICED WITH
AEROSHELL 15W-50 OPS AND LEAK
CHECK OK IAW Piper M/M APPROVAL
FOR RETURN TO SERVICE. 

RP3452632

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3/19/2019	Brought Forward →	941.2	2911.7	TT 2911.7
	PERFORMED ANNUAL INSPECTION JAW PIPER CHECK			
	1/3T AS GUIDANCE, COMPS #1 ⁷⁶ / ₈₀ #2 ⁷⁵ / ₈₀			
	#3 ⁷⁶ / ₈₀ #4 ⁷² / ₈₀ , DRAINED OIL AND CUT FILTER			
	NO METAL, SERVICED WITH PEROSHELL 15W-50			
	AND INSTALLED AM4810, CLEANED GRAPED AND ROTARY			
	PLUGS, TIGHTENED CYL #2 INTAKE BOLTS, CHECKED AD'S SEE			
	LIST, OPS AND LEAK OK, APPROVAL FOR RETURN			
	TO SERVICE.  RP3402632JA			
Total to Carry Forward				



469 Airport Road, Johnstown PA 15904
Phone: 814-361-3500 Fax: 814-361-3498

Registration: N6081H	Tach: 2915.87	W/O: 031911	Date: 2 Apr 2019
----------------------	---------------	-------------	------------------

Bleed brakes ops check good. Interfaced portable GPS to 430 and XM interface to audio panel.
Ops check good.

I certify the above described maintenance, is airworthy and approved for return to service.
Further details are on file under the work order referenced above.

Signature: Matt P. [Signature] Certificate: CRS 6L9R861C

le No.

MOONLIGHT AVIATION LLC

DATE 9/16/2019 TACH 2952.97

Date

DRAWN OIL AND COT FILTER NO METAL
SERVICED WITH AEROSHELL 15W-50 AND
INSTALLED AA48110, SERVICED BRAKE RES.
WITH 5606, OPS AND LEAK CHECK OK
EAW PAPER mjm, APPROVAL FOR RETURN
TO SERVICE.

Maintenance

AP345-2632

3/23/2020

TACH 2987.6

PERFORMED ANNUAL INSPECTION

WASH

1017.1

R/R CYLINDERS #3 AND #4 ARE

TOTAL

2987.6

S/N 366W-G19-24219 AND

AND CAPS 72198, DRAWN OIL

INSTALLED AA48110 FILTER, CLEANED

#3 ⁷⁸/₈₀ #4 ⁷⁸/₈₀, OPS AND LEAK

CHECKED.

Total for
Entry Forward

and Remarks

Signature

Certificate No.

with Piper checklist as guidance, checked AD's see lists,
to cracked valve guides, with Superior P/N SL360CLW-A204
366W-B20-24949, with new Lycoming Piston Pins LW-14078
and cut filter no more, serviced with X/C 20W-50 and
gapped and rotated spark plugs, comp check #1 ^{74/}80 #2 ^{74/}80
check OK, IAW Lycoming m/m Approval For Return to
AP3452632IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought [] →			

wo: 20-09-01

page 1 of 1



Classic Aviation - 69 Aviation Circle - Weyers Cave, VA 24486 - 5402340226

N6081H

Tach: 3053.2

Hobbs: 3358.6

September 15, 2020

ENGINE

Drained oil, cut and checked filter, no defects noted. Installed new oil filter AA48110-2 and serviced engine with 7 quarts Phillips 20W50 oil. Ground run normal, no leaks noted. Cleaned oil suction screen and reinstalled with a new crush washer AN90-16.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Dean Showalter A&P IA 3126788

Total To Carry Forward				
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Classic Aviation - 69 Aviation Circle - Waynes Cave, VA 24486 - 5402340226

N6081H

Hobbs: 3370.4

Tach: 3061.07

April 26, 2021**Engine**

Performed an annual inspection in accordance with Title 14CFR Part 43.15, 43 Appendix D, and in reference to Piper PA28-181 MM 761-679 (07-30-1994). Next Annual inspection is due by 04-30-2022. Ran engine to operating temperature and performed compression check: #1 72/80, #2 73/80, #3 74/80, #4 70/80. Drained oil, removed and inspected screen and filter, no issues noted. Installed a new oil filter P/N AA48110-2, cleaned and re-installed screen with a new crush washer P/N AN900-16, and serviced the engine with 7 quarts of Phillips XC 20W50 Ashless Dispersant oil in reference to Lycoming SB480F (05-25-2017). Removed, cleaned, inspected, gapped, tested, rotated, and re-installed spark plugs with new gaskets. Removed propeller and failed front crankshaft seal. Installed a new crankshaft seal P/N 13792 in reference to Lycoming SH324C (05-26-2009), and re-installed prop in reference to Piper PA28-181 MM 761-679 (07-30-1994) page 3C5. Installed an additional washer in oil pressure relief valve. Timed magnetos to 25 degrees BTDC. Separated ignition leads from Cylinder #3 oil drain tube. Installed two new screws at oil cooler blast tube inlet. Removed, inspected, cleaned, and re-installed carburetor inlet screen. Installed new intake gaskets P/N SL71973 at cylinder #1 and #2 induction. Torqued nose through bolts, crankcase spine, and starter bolts in reference to Lycoming SSP-1776-5 (04-13-2020). Ran engine and checked for leaks, no leaks noted, operation normal.

NOTES

wo: 5100

Engine - page 2 of 2



Classic Aviation - 69 Aviation Circle - Weyers Cave, VA 24486 - 5402340226

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

Kenneth Todd A&P 3997642 

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

Yevgeniy Bondarev A&P IA 3674475 

NOTES

501 5017

Engine - page 1 of 1



Classic Aviation 59 Aviation Circle Weyers Cave, VA 24486 (540)234-0220

N6081H

May 04, 2022

AFTT: 3074.25

ENG BMOH: 1103.75

ENG TT: 3074.25

Tach: 3074.25

ENGINE

Inspected this engine as part of an Annual Inspection in reference to the Piper PA-28-181 Maintenance Manual and the scope and detail of 14 CFR Part 43 Appendix D. Compressions are as follows: 1)76 2)76 3)77 4)75. Borescoped all cylinders, nothing remarkable found. Drained oil, cut and checked filter, nothing found. Installed new oil filter P/N AA48110-2, torqued to 18 ft/lbs and safety wired in place. Removed, cleaned, inspected, and reinstalled oil suction screen with new crush washer P/N M535769-21. Serviced engine with 7 quarts of Phillips 20W-50 oil. Verified LH and RH Magneto timing at 25° BTDC. Removed, cleaned, inspected, tested, rotated, and reinstalled spark plugs with new copper washers, torqued to 35 ft/lbs. Tightened oil filler tube and safety wired in place. Tightened all intake seal clamps. Post inspection run-up and leak check revealed no issues.

The above work was accomplished using applicable maintenance manuals and other approved or acceptable data as appropriate. I certify that this Engine has been inspected as part of an Annual Inspection Checklist, was found to be in airworthy condition, and is released for return to service.

Details of work performed are on file with Classic Aviation under work order: 5627.

David Malone A&P IA 3879748



Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226

N6081H

ENG TT: 3089.91

Engine SMOH:

Hobbs: 3442.5

June 01, 2023

PROP TT: 3089.91

Prop SMOH: 1013.21

1119.41

Tach: 3089.91

ENGINE

Inspected this engine as part of an Annual Inspection in reference to the Piper PA-28-181 Maintenance Manual and the scope and detail of 14 CFR Part 43 Appendix D. Compressions are as follows: 1) 72/80 2) 75/80 3) 72/80 4) 73/80. Drained oil, cut and checked filter, found no defects. Installed new oil filter P/N AA48110-2, torqued to 18 ft/lbs and safety wired .032 safety wire. Removed, cleaned, inspected, and reinstalled oil suction screen with new crush washer P/N MS35769-21. Serviced engine with 7 quarts of Phillips 20W-50 oil, 6 quarts supplied by owner. Adjusted Left and right magnetos to 25 degrees BTDC. Mags have 309.9 hours since overhaul. Removed, cleaned, inspected, tested, rotated, and reinstalled spark plugs with new copper washers, torqued to 35 ft/lbs. Complied with post engine functional and leak checks. Functional check and leak check good.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for the work performed.

wo: 6096

Engine · page 2 of 2



Classic Aviation · 69 Aviation Circle · Weyers Cave, VA 24486 · (540)234-0226

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

Henry Budzynski A&P 3069399

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* LOG CLOSED 01-JUN-2023