



The Standard

ENGINE LOG

ASA-SE-1

YEAR 20 <u>24</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12-2	1949.15			Change oil & oil Filter - Replace engine oil Filter with New Champion oil Filter CH48109-1. Cut open old oil Filter & Inspect for debris - No Ferrous debris found - Checks good - Re-Fill engine w/20 quarts Phillips XC low sa oil - Added 16 oz of Cam-guard to Sump - Re-install one exhaust Heat Shield Clamp - Replace Bracket Air Filter / P/N - BA-104. Check all tire pressure - Set all @ 30 PSI. Ground Run aircraft & Inspect for Leaks -
12/7/24				Scott Maguardt For Spartan Aero Services, Inc. 2854544 A & P → James N899DW is okay for Return to Service PPL# - 4301912 Jay S - Ground

YEAR 20 <u>24</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-13	1911-28	—		Remove Engine oil Filter & Inspect For Debris - No debris Found - Install New Champion oil Filter - P.N. CH 48109-1. Safety - wire New oil Filter - Add 1 qt Phillips XC 20W50 Motor oil - Ground Run & Verify No Leaks. I Certify that N8992W is Approved to Return to Service. Jay J. Gonsky Signature PPL - 4301912 10-13-24. Scott Marquardt for Sparta Aero Services Signature 2854544 A&P 10/13/24

YEAR 20 <u>24</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9-24	1890-60	.19	1890-79	Diagnose what is causing oil Filter Drain-Back Seal to become damaged. Found Tempest Service Bulletin # - SB-006 - Diagnosed the Airwolf Remote mounted oil Filter Kit - STC# SA0001XNY - oil Lines were incorrectly installed - which was causing Reverse oil Flow in the Engine oil Filter - Remove & properly connect oil Lines to cooler per STC Above. Remove & Inspect thermostatic oil Valve - Okay. Re-Flush Engine oil Cooler - No debris found. Next page. →

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				→ Re-install Remote oil drain hose brackets to properly position oil hose - Re-Safety- wire all connections - Install a new Tempest AA48109 oil Filter - Add one quart of 20W/50 SA0001XNY Phillips xC - Avioil - Ground Run & ✓ for Leaks - Okay. Test Fly aircraft - oil PST & Temp good. I certify NE997W is approved to Return to service on 9-24-24 Jay S. Gonsal - PPL #4301917 [Signature]
				for Scott Marquardt Spartan Aero Services [Signature] AIP 2854544 9/24/24

YEAR 20 <u>24</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9-21	1894-42			Engine oil pressure was low Before Flight. Removed oil Filter & Inspected - Found internal oil Filter Seal Failed, causing rubber seal debris to interfere with oil Regulator Check ball - Drain all Engine oil & Inspect Sump - Screen - No debris found - Re-fill w/ 10 Quarts Phillips XC 20W-50 oil & Install a new AA48109 temper oil Filter - Inspected all oil Cooler hoses & oil Filter Adapter hoses. Also blow-thru Engine oil Cooler - No debris Found - Re-installed New Sump Crush washer & new Regulator Crush washer

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Safety wire all Components - Ground Run engine - good oil pressure now - I Certify this aircraft is approved to Return to Service on 9-21-24 Jay S. Gensel - PPL-4301917 Scott Marquardt for Sparta Aero Services, Inc. 2854544 A&P 9/21/24

RECO
TACH
TIME

P.O. BOX 219
200 HARDY ROBERTS DR.
WEST PADUCAH, KY 42086

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FAX(270)744-3466
www.midwest-aviation.com

ions
ber of Technician or

N8997W

DATE:06-10-2024

TACH/HOBBS:1842.5

ENGTT:1842.5

SMOH:571.8

Annual inspection completed I/A/W FAR 43 Appendix D and using Piper PA-28-235 M/M inspection guide. Compressions: #1 71/80 #2 76/80 #3 70/80 #4 78/80 #5 72/80. Drained oil and removed filter for inspection, no contamination noted. Installed new oil filter P/N 48109 and serviced with Phillips 20w50 X/C. Drained carburetor. Cleaned carb screen. Cleaned and tested spark plugs. Checked magneto timing. Removed exhaust system. Installed serviced exhaust stacks for left and right side. Installed new muffler P/N A65012-00. Installed 6 CHT probes P/N 2852 and 6 EGT probes P/N 2870 I/A/W Insight Avionics Installation Manual REV. 1.6 per STC SA02930NY. Filed FAA Form 337. Weight and balance negligible. Washed and ground ran engine, no leaks noted. ADs updated thru Veyon and DRS dated 2024-11.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under Shop Order 16023/16024.

SIGNATURE Cheryl Burnham for CRS MW8R657W

YEAR 2024
DATE

RECORDING
TACH
TIME

TODAY'S FLIGHT

**TOTAL
TIME IN
SERVICE**

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

9-14-

1890.55

- Change engine oil & Filter. Remove & inspect Sump Screen - No debris noted. Inspected oil Filter - No debris or metal noted - All good.
- Remove wheel pants & inspect wheel bearings. Adjust all tire pressures to 36 PSI.

wheel	potholes	re-installed
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Scott Marguacht Poa

Spanta	Aero	Services,	Inc.
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2854544 A+P 9/14/20

Tay S- Gon sal

- Replace oil sump plug Copper gasket.
- Install New AA48109 Tempest oil Filter & safety wire Filter & sump plug.

Pr H 4301915

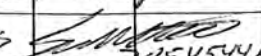
→ Add 10 qts 20w/50 Phillips Aviation oil -
ground run & ✓ For Launch - I certify +
time to service on 9-14-24 -

Ground Run & ✓ For Launch - 2. certify this
- Aircraft is approved for Return to service on 9-14-24 -

YEAR 20 <u>23</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11-23	1796.97			Change engine oil / oil Filter. Disassemble & inspect oil Filter For debris - No Abnormal debris Found - No Ferrous Metal Found. Top off all tire PSI's to 32 PSI. Inspect Hydraulic oil Level - Okay. Added 10 Quarts of 20W/50 Phillips Aviation oil. Install new AA48109 oil Filter & Safety wire Filter. Clean / Inspect air Filter Element. Ground-run engine & inspect for leaks.
Scott Marguardt For Sparta Aero Services, Inc.				- I certify this aircraft is approved to return to service on 11-23-2023. Jay S. Ginstad
2854544 A&P 11/23/23				PPL # - 4301917

YEAR 20 <u>24</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-13	1821.35			Remove, Clean & Inspect all spark plugs. Found small Lead deposits on Cyl. 5 & Cyl. 6 bottom spark plugs. Renewal Lead deposits. Re-install all spark plugs & Apply anti-sieze compound to spark plug threads. Ground-run engine - operates as designed. I certify this aircraft is approved to return to service on 2-13-24. Jay S. Ginstad
Scott Marguardt for Sparta Aero Services, Inc.				PPL # - 4301917
2854544 A&P 2/13/24				

YEAR 20 <u>23</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TI TI SI
			06/01/2023 N8997W PA28-235 SH: 28-10579 Tech: <u>1768-21</u> Engine: Lycoming O-540-B4B5 SH: L-8133-40
			Removed Oil pressure regulator and replaced check ball (p/n 1028-B). Installed one (1) AN960-4 washer under spring to achieve desired pressure. Reinstalled regulator- ops check ok. All work performed IAW Piper M/M and AC43.13.
			 Scott Marquardt 2854544 A&P for Sparta Aero Services and Jay Gonstal PPL
			 PPL-4301912

YEAR 20 <u>23</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8-5-23	1778-62			Remove all spark plugs & Inspect - Remove small Lead Deposits & Clean all spark plugs - test fire all spark Plugs - Re-install spark plugs - Install (12) P/N-M624 Copper washers & apply P/N T556 Anti-Siege to threads I Certify that this aircraft is approved for return to service on 8-5-23 for the work performed.
				Scott Marquardt for Sparta Aero Services  2854544 A&P Jay S. Gonstal  PPL-#4301912.

10/13/2023 N8997W PA28-235 SH: 28-10579 Tach: 1784.03
Engine: Lycoming O-540-B4B5 SH: L-8133-40 ETT: 1784.03 TSMOH: 513.40

Removed and replaced engine driven fuel pump with new Tempest p/n(AF-15472) s/n(154003). R&R fuel pump gasket p/n(SL60096).
Adjusted idle mixture setting.
Work performed IAW Lycoming O-540 service manual.

Maintenance performed by Thomas Mathis, A&P 3449886 for Sparta Aero Services, Inc. 

06/13/2023 N8997W PA28-235 S#: 28-10579 Tach: 1749.05 ACTT: 1749.05
Engine: Lycoming O-540-B4B5 S#: L-8133-40 ETT: 1749.05 TSMOH: 478.42

Drained oil and removed filter; cut filter open and inspected with no abnormalities noted. Serviced engine oil sump with 10 quarts of Phillips XC 20W50 and installed a new Tempest AA48109 Spin EZ oil filter. Performed differential compression test on all cylinders with the following results: 1=79, 2=79, 3=79, 4=79, 5=79, 6=79 all over 80 psi. Removed spark plugs from engine; cleaned inspected, gapped, tested, and rotated. Removed both magnetos and sent for 500 hour inspections. Left magneto was overhauled at this time (see invoice # 39978 for details). R&R both magneto adaptor gaskets with new p/n(62224) and reinstalled both magnetos using new gaskets p/n(62224). Performed magneto to engine timing and verified proper ignition at 25° BTDC. R&R vacuum pump adaptor gasket with new p/n(SL61183). R&R vacuum pump gasket with new p/n(SL8313). Lubricated and verified clearance of all engine controls. Test ran engine and leak checked with no discrepancies noted. All work performed IAW Lycoming O-540 service manual.

Maintenance performed by Thomas Mathis, A&P 3449886 and Carrol Lee, A&P 4577280
for Sparta Aero Services, Inc.

I certify that this engine has been inspected IAW appendix D of FAR Part 43 – annual inspection and has been found satisfactory for return to service.

Sparda Aero Services, Inc. – Thomas Mathis, 3449886/A

and Alterations

Certificate Number of Technician or
Countries.)

YEAR 20 <u>23</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-19-23	1760.02			Change engine oil/Filter - /Inspect Filter For debris - No Abnormalities - Found - /Inspect Sump Screen - /Add 10 Qt's - 20w/50 pholks Installed temperst ATF 4800 oil Filter Installed New AN900 - 16 crush wash - Ground Run & ✓ For leaks - /Send oil to Analyze. - I certify this aircraft is approved for return to service on 5-19-23 for the work performed. Jay S. Gonsal -  - Private Pilot Scott Maguath for Spartan Aero Services # - 4301917. 2854544 ACP 

Engine Record General Information

Manufacturer Lycoming Model O-540-B4B5

Serial L-8133-40 Type Certificate PA28-235

This engine is currently installed in aircraft: N8997W

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

ENGINE LOG



PIPER AIRCRAFT CORP., LOCK HAVEN, PA.

OVERHAUL

ENGINE OVERHAUL

TOP—MAJOR (Cross out one)

Eng. Serial No.
Ship N C
Date

NEW MATERIAL USED

7-15-14 TACH 1740.77 100 HR INSPECTION

Cleaned Engine. Removed spark plugs checked gap Inspected wire harnesses, checked timing, inspected Exhaust + engine control cables. Compression - #1 $7\frac{5}{80}$, #2 $7\frac{2}{80}$, #3 $7\frac{7}{80}$, #4 $7\frac{6}{80}$, #5 $7\frac{3}{80}$, #6 $7\frac{6}{80}$ checked air filter Run ops all temps + pressures Normal. I certify this Engine to be in an airworthy condition at this time. 700g w Aft A+P 3509816

7-15-2014 Tach 1740.77

I certify that this engine has been inspected in accordance with annual inspection per FAR 43 appendix (D) and manufacturers maintenance manuals

Labor & Material Certified by No.
Licensed Mechanic Address Where Overhaul Performed

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

REMARKS

and was determined to be in an airworthy condition at this time. *Ray Johnson* A+P 3452996 F.A. (7-15-2014)

END

END

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

OVERHAUL

ENGINE OVERHAUL

TOP—MAJOR (Cross out one)

Eng. Serial No.
Ship N C
Date

NEW MATERIAL USED

2-72-04 I certify that this engine has been inspected
in accordance with FAR 43 (d) and manufacturer's maintenance
requirements and was determined to be in airworthy
condition at this time. J. A. 4976 47439

Date: 7-27-12 Tach 1716.25 - 100 Hour Inspection -

Cleaned engine, removed spark plugs checked gap. Checked Timing, inspected exhaust
system all cables (control) checked Compression as follows: $1\frac{7}{80}$ $2\frac{25}{80}$ $3\frac{17}{80}$ $4\frac{14}{80}$ $5\frac{17}{80}$ $6\frac{25}{80}$
Check air filter, Changed oil & filter. 12 gts. per stall 15-50. Checked AD's thru this date.
I certify this engine to be in an airworthy condition at this time.

7003 112 SP 3502816

Labor & Material Certified by No.
Licensed Mechanic

Address Where Overhaul Performed

REMARKS

7-22-12

TACH 1716.25 I CERTIFY THAT THIS ENGINE WAS INSPECTED IN
ACCORDANCE WITH AN 100 HR/ANNUAL INSPECTION AND WAS
DETERMINED TO BE IN AN AIRWORTHY CONDITION
J. A. 4976 47439

Engine Serial ENGINE CHECK REPORT

CHECK

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time	Date: 2-22-04	TACH: 1712	H-100/HK	Inspection -	
Fuel Systems, lines gascolator and carburetor					
Lubrication system, oil tank, lines, strainers and pump					
Cooling system, cowling, Baffles, lines and fittings					
Valves, push rods and rocker arms					
Ignition, wires, plugs, points and shielding					
Engine manifold and motor mount, bolts and nuts					
Propeller Condition & Alignment					
Oil changed answer Yes or No					
Certified by					
E License No.					
Address					

Cleaned Engine Replaced Right Mag. (See yellow Tag) with electrosystems Bendix overhauled unit. Checked point Gap Left mag. set Timing. Removed Spark plugs Cleaned gapped. Checked compression #1 $\frac{76}{80}$, #2 $\frac{77}{80}$, #3 $\frac{78}{80}$, #4 $\frac{75}{80}$, #5 $\frac{76}{80}$, #6 $\frac{75}{80}$. Test run OK.

Checked Hoses, exhaust system, wiring, Air Filter & control cables. All AD's checked through this date. I certify this engine to be airworthy at this time, Kelly W. Gifford #A510643619

ENGINE CHECK REPORT

Engine Serial

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time	Date: 10/6/2002		Tach 1697.44		
Fuel Systems, lines gascolator and carburetor					
Lubrication system, oil tank, lines, strainers and pump	100 Hour Inspection				
Cooling system, cowling, Baffles, lines and fittings	Cleared Engine, Checked ignition timing, inspected hose assemblies, control cables, wiring harnesses, and exhaust system.				
Valves, push rods and rocker arms					
Ignition, wires, plugs, points and shielding					
Engine manifold and motor mount, bolts and nuts					
Propeller Condition & Alignment	Compression as followed #1 78/80, #2 77/80				
Oil changed answer Yes or No	#3 76/80, #4 77/80, #5 77/80, #6 76/80.				
Certified by	Performed test run, all systems normal. All				
E License No.	AD's checked thru this date, I certify this engine				
Address	to be airworthy at this time. Kly & Sph 51064361904P				

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Engine Serial

ENGINE CHECK REPORT

CHECK

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time					
Fuel Systems, lines gascolator and carburetor	10-6-2002 TACH 1697.44 - T. S. 427.17				
Lubrication system, oil tank, lines, strainers and pump	I certify that this engine has been kept				
Cooling system, cowling, Baffles, lines and fittings	I.A. in a Annual inspection and 43:13				
Valves, push rods and rocker arms	A.P. and was determined to be in				
Ignition, wires, plugs, points and shielding	airworthy condition at this time				
Engine manifold and motor mount, bolts and nuts	by John I.A. 497647439				
Propeller Condition & Alignment					
Oil changed answer Yes or No					
Certified by					
E License No.					
Address					

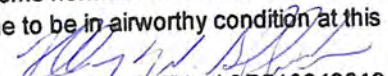
NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Date: 06/16/2001

Tac: 1668.75

-100 hour inspection-

Cleaned engine, checked ignition timing, inspected hose assemblies, control cables, wiring harnesses, and exhaust system. Compression checked as followed, #1 - 77/80 #2 - 78/80 #3 - 78/80 #4 - 76/80 #5 - 77/80 #6 - 78/80. Performed test run, all systems normal. All AD's checked thru this date. I certify this engine to be in airworthy condition at this time.


Kelly W. Griffith A&P510643619

"I certify that this ENGINE
has been inspected in accordance with
ANNUAL inspection per FAR 43
Appendix D and Manufacturers Maint.
Manuals and was determined to be in
airworthy condition."

Date 6-23-01 W.O. N/A

Tach 1668.75 Total Time 1668.75

Signature 

Address

Date Date
Checked Checked

T.S.O. 398.48

IA 492682439

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year				Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
Mo.	Day	Ground	Air						
1-30-98		TACH 1561.46 certify that this engine has been kept IAW a annual inspection and found to be in airworthy condition at this time by C. J. Fisher FA497647439							
7-8-99		TACH 1598.34 CHANGED OIL WITH 12 QUARTS AEROSHELL 15/50 WEIGHT OIL. CHANGED FILTER WITH CHAMPION CH48-108. CHECKED SUCTION SCREEN. OPERATIONAL CHECK - NO LEAKS. Wally W. Smith A+P 510643619							
4-9-2000		TACH 1633.16 Replaced Left MAG - 56LN-21 PN-51365-47 SN-622312 Including rebuilt in place coupling by Electro Systems. Replaced (6) valve covers w/ chrome assemblies. Replaced spark plugs w/ 12 champion REM 40E - checked Gap. Replaced Front MAIN SEAL PN 13792 IN accordance with Lycoming Service Instruction 1324A. Replaced Right mag points, closed engine - Ran compression test -							
		1 78/80	2 77/80	3 78/80	4 76/80	5 76/80	6 78/80	checked	
TOTAL TIME									

NOTICE:-Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

REMARKS	SIGNATURE
A/D THRO THIS DATE. Engine is NOT in compliance with AD 96-09-10 C due to no sign-off OR part listing at overhaul. Wally W. Smith A+P 510643619	
Complied with AD 96-09-10 by Accomplishment of hyc S/B524 installed new LW 18109, LW 18110 + oil pump body per hyc SI 1341. Chg'd oil + filter. Run engine no leaks. Sean Spat A+P 2055716	
certify that this engine has been inspected IAW a annual inspection and found to be in airworthy condition at this time by C. J. Fisher FA497647439	

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Engine Serial

N C

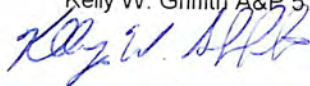
Date		R. P. M.		Ground Time		Air Time		Total Time	
Year				Hrs.		Hrs.		Hrs.	
Mo.	Day	Ground	Air	Min.	Min.	Min.	Min.	Min.	Min.
				1-9-98		TACH 1478.70			
		I CERTIFY THIS ENGINE IS IN ACCORD AN ANNUAL INSPECTION AND FOUND TO BE AIR WORTHY CONDITION Jerry R D A 1098885							

Date: 05-02-98

Tach: 1508.39

Changed oil with 12 quarts of Aeroshell 15W50 weight oil and new oil filter. Checked operation by run test and found to be satisfactory for return to service.

Kelly W. Griffith A&P 510643619



TOTAL TIME

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ENGINE LOG

REMARKS	SIGNATURE
11-28-98 TACH: 1548.28 Changed oil with 12 quarts Aeroshell 15-50 weight oil and new filter. checked suction screen. Engine test run and found to be satisfactory.	Kelly W. Griffith A&P 510643619
DATE-1-30-99 TACH-1561.46 -100 HR INSPECTION - COMPRESSION TEST AS FOLLOWS #1 78/80 - #2 78/80 #3 78/80 - #4 76/80 - #5 76/80 - #6 76/80 CLEANED ENGINE CHECKED IGNITION TIMING, POINT GAP, SPARK PLUGS AND HARNESS. INSPECTED EXHAUST SYSTEM, HOSES, WIRING, AND CONTROL CABLES. PERFORMED OPERATIONAL TEST RUN. ALL SYSTEMS NORMAL. ALL AD'S CHECKED THRU 99-01. 290.83 HOURS SMOH	
I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND IS IN AIRWORTHY CONDITION.	Kelly W. Griffith A&P 510643619

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Engine Serial

N C

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year				Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
Mo.	Day	Ground	Air						
7-31-97		TACH: 1425.23				OIL CHANGE 12 QTS AEROSHELL			
W-109		50 WT.				Kelly W. Griffith A&P 510643619			
9-18-97		TACH: 1461.29				CHANGE OIL WITH 12 QUARTS			
		AEROSHELL 15-50 AND CHANGE OIL FILTER WITH							
		CHAMPION CA48-108. CHECKED OPERATION.							
						Kelly W. Griffith A&P 510643619			
TOTAL TIME									

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ENGINE LOG

REMARKS

SIGNATURE

100 Hour Inspection. Date 01-09-98 Tach 1478.70
 Compression checked. All cylinders 76+1 80. Checked breaker
 point gap and magneto timing. Checked exhaust system.
 Repaired crack in right stack. Checked ignition harness and plug
 gap. Adjusted carb. I certify this Engine has been inspected in
 accordance with 100 hour inspection and found to be in airworthy
 condition.

Kelly W. Griffith A&P 510643619

Kelly W. Griffith

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ENGINE LOG

REMARKS

SIGNATURE

DATE 1-18-97 TAG 1386.04

TOTAL 1386.04 HRS THRU 97-01

I CERTIFY THIS
HAS BEEN INSPECTED

IN ACCORDANCE WITH

AN ANAC INSPECTION

AND WAS DETERMINED

TO BE IN AN AIRWORTHY

CONDITION

INSPECTOR GK 14 109888

116 hrs SMOH —

Date: 05-05-1997

Tach: 1401.76

Changed oil with 12 quarts of Aeroshell 15W50 weight oil and oil filter with model AFC-500 oil filter. Removed oil pump suction screen, cleaned, inspected and reinstalled. Checked operation by test run. Operation satisfactory.

Kelly W. Griffith A&P510643619

Kelly W. Griffith

Engine Serial

N C

[illegible]

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ENGINE LOG

REMARKS	SIGNATURE
7-15-96 TACH 1359.8 INSTALLED NEW SIGM-TEX WAC PUMP. 1U 178-006-S/N T 27650H - Roger K. O. 1A1098885	
10-19-96 CHANGED OIL AND FILTER - 12 QTS AEROSHELL W 15-50 WT TACH 1376.18 CLEANED SUCTION SCREEN & RUN TEST. R. W. D. 1A10643619	
1-18-97 - 100 HR INSPECTION - COMPRESSION CHECKED - ALL CYLINDERS ⁷⁶⁸/₈₀ SPARK PLUGS CLEANED AND REGAPPED. EXHAUST STACKS AND MUFFLER INSPECTED CHECKED AIRFILTER AND ALTERNATOR BELT. OPERATION SATISFACTORY - TACH 1386.04 R. W. D. 1A10643619	

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Engine Serial

N C

[illegible]

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ENGINE LOG

REMARKS	SIGNATURE
ENGINE GIVEN 2 GROUNDED RUNS of 2 & 5 MIN DURATION ALL FUEL & OIL PRESS NORMAL - ALL OPERATION NORMAL	
Major R. D. L. 1A 1098885 A/C RELEASED FOR TEST HOR.	
25-95 - Changed oil and Filter. Checked Suction Screen & ck. Thermostatic bypass valve. Refilled with Aero Shell 50 w Mineral & AFC 500 B Filter. TACH. 1296.26	
25-95 OIL CHANGE AND CHECKED SUCTION SCREEN. REPLACED WITH AEROSHELL 80 40 WT MINERAL OIL. TACH 1378.10 12 QTS.	KWG

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

ENGINE LOG

REMARKS

SIGNATURE

CDN Followers Reconditioned

Cyl Chromed

New Ex Valves $\frac{1}{2}$ "

Crankshaft Polished Milled STD

Overhauled starter

11

Итератор

44

Altavator
Craws Installed New Metal Floor +
+ 1 pc Venturi

+ 1 pc Venturi

Overhauled Both Magneto's Install New Coils
1st points + Condensers

1st points + Condens ov

New Bearings

Roll Steel Parts Magnatfluxed

All Bluminae Parts Dye Checked

Enging Assembled New gas Rods + Seals	1
---------------------------------------	---

All Clearance Held to Factor

Newspaper

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year	Mo.	Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.
93	09	09							
CONT. FROM PREVIOUS PAGE INSTALLED NEW AIR CLEANER EL.									
I CERTIFY THAT THIS ENG HAS BEEN INSPECTED ON 9/19/93 WITH TOTAL HOURS OF 1186.5 AND FOUND TO BE IN AIRWORTHY CONDITION IN ACCORDANCE WITH A 100 HR INSPECTION ACCOMPLISHED PER FEDERAL AVIATION REGULATIONS PART 43.									
SIGNED <u>J. A. Dan</u> A&P NO <u>2220501</u>									
Jan 24-94 Replaced Bushes in ALT. Checked Requirer Changed Oil And Checked Screen 1211.65 TACH TIME									
July 8, 1994 Oil Change with 12 qts AeroShell W 100 50W. Removed and cleaned suction and pressure screens. Replaced and ch for leaks. Cleaned + checked spark plugs assoc with Right Mag.									
TOTAL TIME Tach Time 1264.56 Kelly Griffith 570643619									

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ENGINE LOG	
REMARKS	SIGNATURE
8/3/94 Changed OIL COOLER HOSES PN 63701-16 (2) and Fuel primer HOSE PN 17766-6 TACH TIME 1269.27	
12/20/94 Engine Major Overhaul Replace Following with new Parts Valve guides Valve Seats Rod Bolts Replaced Main Bearings Port # 75061 Rod Bearings Piston Pin Bushing in Rods Pistons std Size Piston Rings Ignition Harness Spark Plugs Crankshaft Reground	

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Engine Serial

N C

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year				Hrs.		Hrs.		Hrs.	
Mo.	Day	Ground	Air						
7/28/92		TAC	Reps	1082.63	Check	Compression			
		ALL CYLS	267/80	Cleaned	& ADJUSTED				
		SPARK PLUGS	CHANGED	OIL	CHANGED				
		SCREENS	REMOVED & REPLACED	EX	SYSTEM				
		FOR OVERHAUL	SEE YELLOW TAGS DATED	7/13/92					
		ADDED ENGINE COOL	BUFFING RUBBER						
		CHECKED AD	ON ENGINE & DEC	THRU					
		JULY-28-92	REPLACED REAR GASKETS	CYLS					
		2, 4 & 6	SERVICED	PARALLEL	FRAC				
		NUTS	INSTALLED	BR-PREF	EX GASKETS				
7/28/92		I CERTIFY AS OF THIS DATE THAT THIS ENGINE							
		HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL							
		INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY							
		CONDITION. Clifford C. Mowry A & P 20006051A							
TOTAL TIME									

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

ENGINE LOG

REMARKS	SIGNATURE
3/17/93 Compression Check #1 72/80 #2 78/80 #3 70/80 #4 79/80 #5 72/80 #6 72/80 Earl M. Kizer A & P 283093257 I.A.	
5/1/93 oil change 1145.06 TACH TIME	
7/1/93 oil change 1165.84 TACH TIME	
SEPT 9 93 TACH TIME 1186.5	
CAMP - CK. #1 75/80 #2 80/80 #3 79/80 #4 89/80 #5 85/80 #6 70/80	
CLEANED CK TOP PLUGS, REPLACE BOTTOM PLUGS	
CHANGED OIL (12 QT AERO SHELL 100) INSPECTED SCREEN	
OIL SCREEN, REMOVED & INSPECTED MUFFLER	
REPLACED #1, #3, #5 ALL ROCKER GASKETS	
REMOVED SPINNER & INSP PIROP - OVER	

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Engine Serial

N C

Date		R. P. M.		Ground Time		Air Time		Total Time		
Year				Hrs.		Hrs.		Hrs.		
Mo.	Day	Ground	Air	Min.		Min.		Min.		
5	3	90	Tac	99.0						
			Compression	1 $\frac{76}{80}$	2 $\frac{72}{80}$	3 $\frac{76}{80}$	4 $\frac{78}{80}$	5 $\frac{74}{80}$		
			6 $\frac{75}{80}$	Checked mag timing, closed gaped & tested sparkplugs, Checked acc for security & operation replaced #4 rocker cam gasket, Cleaned oil screen.						
			I Certify that this engine has been inspected in accordance with a 100 hr inspection and was determined to be in airworthy condition							
			Robert D. Hawks						A4P1639492	
TOTAL TIME										

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

ENGINE LOG

REMARKS	SIGNATURE
6/4/91 Tac 1040.03 Compression 1 $\frac{74}{80}$ 2 $\frac{78}{80}$ 3 $\frac{71}{80}$ 4 $\frac{74}{80}$ 5 $\frac{73}{80}$ 6 $\frac{74}{80}$, Charged oil, Checked oil screen, Cleaned gaped & tested Sparkplugs, Checked mag timing, Checked acc for security & operation, Checked AD 84-26-02 oil paper filter, Checked engine for oil leaks, engine ground run ok, Checked for AD Compliance through 91-09	
I Certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition Robert D. Hawks A4P1639492 I A	

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N C

Date		R. P. M.		Ground Time		Air Time		Total Time	
				Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
Year									
Mo.	Day	Ground	Air						
4-14-89		Compression Ck #1-74/80, #2-68/80, #3 77/80, #4-77/80, #5-73/80 #6, 72/80. Cleaned, Gapped, Tested Spark Plugs Replaced 5ea Spark Plugs. Changed Oil & Filter Serviced With Aeroshell W-100 (5wt) Oil. Replaced All Eng Vibration Dampners. R+R Alternator Belt. R+R #3, #4 & #6 Rocker Box Gaskets. Replaced Rt Mag Braker Points & Lt. Mag Coil. Repaired Exhaust Heater Muff. CWAD 73-07-04 By R+R Lt. Mag Coil & Inspect. Rt. Mag Coil. CWAD 78-09-97 By Insp Lt Mag Impulse Coupling. <u>Sammy R Postwick</u> AIP-585244027							
Date <u>4-14-89</u>		Total Time Tach <u>930.73</u>							
		I certify this <u>Engine</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition <u>Sammy R Postwick</u> Sammy R Postwick IA 585244027							
TOTAL TIME									

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ENGINE LOG

[illegible]

Small Arms Ammunition Act of 1928, applicable to Small Arms

ENGINE LOG

REMARKS

SIGNATURE

MARCH-3-1988-

100 HR. INSP. - ENGINE CLEANED - COMPRESSION

CHECKED - #1 - 74/80 #2 75/80 #3 77/80 #4 76/80 #5 74/80 #6 - 75/80

SPARK PLUGS CLEANED - NEW IGNITION HARNESS

INSTALLED - FUEL SYSTEM FLUSHED - OPERATION

SATISFACTORY -

TACH - READS - 872:09

J. P. Compton
AP 454842

ENGINE LOG

REMARKS

SIGNATURE

MARCH 2 - 1986 - ENGINE CLEANED COMPRESSION
CHECKED - ALL CYLS 75/80 OR BETTER - SPARK PLUGS
CLEANED - FUEL SYSTEM FLUSHED - OIL CHANGED
OPERATION SATISFACTORY -
TACH READS - 830:20 / J. L. Compton
AP 454842

MARCH 2 - 1987 - ENGINE CLEANED COMPRESSION
CHECKED ALL CYLS 75/80 OR BETTER - SPARK PLUGS
CLEANED - FUEL SYSTEM FLUSHED - OIL CHANGED
SCREEN CLEANED - OPERATION SATISFACTORY
J. L. Compton
AP 454842

ENGINE LOG

REMARKS

SIGNATURE

FEB 2 - 1984 100HR. INSPECTION - ENGINE CLEANED -
OIL CHANGED (SHELL 50W) OIL SCREEN CHECKED -
NEW SPARK PLUGS INSTALLED - COMPRESSION CHECKED
#1 ⁸⁰/₈₀ #2 ⁸⁰/₈₀ #3 ⁸⁰/₈₀ #4 ⁸⁰/₈₀ #5 ⁸⁰/₈₀ #6 ⁸⁰/₈₀ NEW AIR
FILTER (CARB) - FUEL SYSTEM CHECKED - EXHAUST
GASKETS REPLACED (LEFT 3 CYLS)
TOTAL TIME IS 774:28 HRS.

W. H. Compton
AP 454842

FEB 20 1985 - 100HR. INSP - ENGINE CLEANED
OIL CHANGED (SHELL 50) SPARK PLUGS CLEANED -
COMPRESSION CHECKED - ALL ⁷⁸/₈₀ OR ABOVE
OPERATION SATISFACTORY -
TOTAL TIME 808:63 HRS.

W. H. Compton
AP 454842

ENGINE LOG

REMARKS

SIGNATURE

3-15-82 - 100HR. INSPECTION - ENGINE CLEANED -
 COMPRESSION 1. $76/80$ 2. $74/80$ 3. $76/80$ 4. $76/80$ 5. $74/80$ 6. $75/80$
 SPARK PLUGS CLEANED - FUEL STRAINER CHECKED -
 AIR CLEANER SERVICED - OPERATION SATISFACTORY
 NEW MIXTURE CONTROL CABLE INSTALLED -

W. L. Compton
 AP 454842

11-15-82 - 100HR INSPECTION - ENGINE CLEANED
 COMPRESSION CHECKED - 1. $76/80$ 2. $74/80$ 3. $76/80$ 4. $74/80$ 5. $74/80$ 6. $74/80$
 SPARK PLUGS CLEANED AND GAGED - FUEL STRAINER
 CHECKED - AIR CLEANER SERVICED - OPERATION
 SATISFACTORY. TACH. READS - 738122
 W. L. Compton
 AP - 454842

Date		R. P. M.	Ground Time Hrs. Min.	Air Time Hrs. Min.	Total Time Hrs. Min.
Year Mo. Day	Ground	Air			
Nov. 3, 1979	637.28	T.T. 637.28			
Changed oil & cleaned oil screen Checked spark plugs Checked Eng Comp. Checked Mag Timing.					
Nov. 3, 1979					
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.					
<u>Robert Vining AT 1838900</u>					
10-14-81- TACH Time 703.2 Hrs.					
TOTAL TIME					

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

ENGINE LOG

REMARKS	SIGNATURE
I certify this aircraft N <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Tach time <u>665.83</u> Total time <u>665.83</u>	
Pertinent details of the inspection and maintenance are on file at this Repair Station under work order No. <u>12310</u> dated <u>3-16-81</u> signed by <u>M. J. Stevens</u> for DeRidder Aircraft Repair and Rebuilding, <u>C.R.S. No. 210-14</u> , DeRidder, Louisiana.	
OIL CHANGED - AEROSHELL 50 ⁺	<u>W. L. Compton</u>

NOTICE:—Maki

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year	Mo. Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
6/27/77		TACK 618		ANNUAL INSPECTION COMPLETED					
CHANGED OIL CLEANED AIR-OIL + FUEL SCREENS									
COMPRESSION CHECKED AS FOLLOWS: (1) 74/80 (2) 76/80									
(3) 79/80 (4) 76/80 (5) 77/80 (6) 76/80 C/W AD 76-16-02									
By Replacing Vacuum Pump WITH 211 CC Model.									
AD 77-12-61									
Chk By Inspection				I certify that this aircraft has					
+ Replacing Fuel checked				been inspected in accordance with					
OK Due Friday 5-11-77				on 100 HR inspection and					
				was determined to be in airworthy					
				condition.					
				TACH TIME 618					
				TOTAL TIME 618					
				Eugene Lawson					
				ACP 1843875					
TOTAL TIME									

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LAWSON AIRCRAFT REPAIR

Tach: 631.4

Eugene Lawson

10-2-78

Mena, Ark. 71953

501 - 394-5622

N8997W

100 hr. inspection completed, changed oil, cleaned air oil & fuel screens, reserviced with 50Wt. Aero Shell. Install new oil line from eng. to firewall. Install new blast tube on fuel pump. C/W AD# 78-09-07 Bendix Impulse Coupling inspection. Compression ck: (1) 79/80 (2) 79/80 (3) 76/80 (4) 79/80 (5) 78/80 (6) 78/80

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

TACH TIME 631.4

TOTAL TIME 631.4

Eugene Lawson

ACP 1843875

N C

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SIGNATURE

REMARKS

REMARKS		TIME
5/3/76	TACK 610 100 HR INSPECTION COMPLETED CHANGED OIL CLEANED AIR-OIL + FUEL SCREENS RESEAL OIL 2.7M. HOAT HERASHEH MADE REPAIRS TO RT. REAR FING BAFLE COMPRESSION CHECKED AS FOLLOWS. (1) 78/80 (2) 79/80 (3) 76/80 (4) 79/80 (5) 78/80 (6) 78/80	100

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

TACH TIME 610
TOTAL TIME 610

NOTICE: Making a loan of this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Date		R. P. M.	Ground Time		Air Time		Total Time	
Year Mo.	Day		Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
NOV	13		ANNUAL INSPECTION COMPLETED THIS DATE. SEE AIRCRAFT INSPECTION FORM DATED 13 NOV 72					
			I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AAOHRS INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION.					
			John 557 Jerry Capelant MP 1726007					
TOTAL TIME								

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Airframe Powerplant, Inc.

REMARKS

SIGNATURE

MENA, ARK, 71953

tack 574 501-394-4702

Changed oil, cleaned screen. Cleaned spark
plugs. Compression check satisfactory.
drained carb. bowl. Checked points, lubed mag
fells. Washed engine. Changed all Rocker
Box cover gaskets. Inspected engine 4/11/14
a 100 hr inspection & found to be in
airworthy condition. Jerry Capehart ADP 1726107
24 NOV 1993

TOTAL Eng Time
574.03 Hr.

I Certify This AIRCRAFT has been inspected in accordance with an Annual Inspection and determined to be in airworthy condition

JOSEPH N. EVANS
A & P 1560189

Inspection Authorization	
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NOTICE:—Making fol

N C

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REMARKS

SIGNATURE

Compression

Compression	
# 1	$\frac{65}{80}$
2	$\frac{59}{80}$
3	$\frac{60}{80}$

4 $\frac{48}{80}$ 5 $\frac{68}{80}$ 6 $\frac{24}{85}$

Date 28 Oct 1971

I Certify This ENG Has Been Inspected
In Accordance With A 100 Hr. Inspection
And Determined To Be In An Airworthy
Condition Tach Time 522 Total
Time 522

Joseph N. Evans
A & P 1560189

NOTE:

1038 punishable by Civil Penalty.

N C

[illegible]

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ENGINE LOG

SIGNATURE

REMARKS

Date 9-5-68 Total Aircraft Hours 425.25
I Certify that this Aircraft has been inspected in
accordance with a 100 Hr. inspection
and was determined to be in airworthy condition.
A.R. Richardson Jr. 1/A 170392

Act of 1938, punishable by Civil Penalty.

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year ...	Mo. Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
6-4-66		Change oil & oil						294	56
		screen & air filter							
		C.R. Richardson							
		A/C 170392							
5-9-67		Tach Time						352	11
TOTAL TIME									

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ENGINE LOG	
REMARKS	SIGNATURE
5-9-67 100 Hrs. inspection completed - installed	
NEW Pumps & CONDENSERS IN BOTH MAGS. - installed	
NEW SPARK PLUGS & AIR FILTER - checked compression	
TS FOLLOWS #1 15/80 #2 80/80 #3 80/80 #4 15/80 #5 80/80 #6 80/80	
Date 5-9-67 Total Aircraft Hours 352.11	
I Certify that this Aircraft has been inspected in	
accordance with a 100 Hrs. inspection	
and was determined to be in airworthy condition.	
C.R. Richardson	A/C 170392

N C

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

SIGNATURE

REMARKS

P-3-6-6 100 HR. Inspection Completed. Removed
EX. System. Checked Muffler and
installed all NEW EX. Cores Kets. Checked
Compression PS. Follows #1 78/80 #2 78/80 #3 78/80
#4 78/80 #5 78/80 #6 78/80

1890 #5 1/80 4 80

Date 1-3-66 Total Aircraft Hours 256.4

I Certify that this Aircraft has been inspected in accordance with a 100 Hrs. inspection and was determined to be in airworthy condition.

17 1/17

accordance with a 10/11/17
and was determined to be in airworthy condition.
O.K. Kucharski Jr. 1/17 170392

NOTICE: This document contains information that is exempt from public release under the Freedom of Information Act of 1938, punishable by Civil Penalty.

N C

NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

Instructions for the Use of Log Book

1. This log must always accompany the engine to which it refers.
2. No pages shall be torn from Log Book. No erasures, and all entries to be made in ink.
3. Original entries shall be made and signed by manufacturer or seller. All other entries shall be made by Pilot, Chief Mechanic, or other competent person authorized to do so.
4. On journey, the pilot is responsible for carriage of Log Book and entries or omissions therein. Failure to do so will be considered a serious neglect of duty.
5. Before departure on journey, pilot is personally to ascertain that entries in log have been made are correct, and then sign certificate to the effect.
6. Special data such as manufacturers notes, test data, reconditioning, etc., should be affixed to stubs provided for that purpose in the back of this book.
7. CAA-18-1 Repair and Alteration forms listed on last page.
8. This log book shall be available and produced, on demand of anyone so authorized.

PIPER AIRCRAFT CORP.—LOCK HAVEN, PA., U. S. A.

ENGINE LOG

N 8997W.....
License No.

MANUFACTURER { Name *Lycoming*
Address *Williamsport, Penna.*

Model *D-540-B4B5* H. P. *235* Serial No. *L-8133-40*

Stroke *4.375*
Bore *5.125*
R.P.M. { Normal *2575*
Maximum *2575*
Manifold Pressure { Normal
Maximum
B.H.P. { Normal
Maximum
Rotation of Propeller
Date
Gear Reduction Ratio
Certified Correct

OWNER. { Name
Address