



PIPER AIRCRAFT CORP., LOCK HAVEN, PA.

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 *72302*
License No

MANUFACTURER { Name .. *Lycoming Div. Avco. Mfg. Corp.*
Address .. *Williamport, Penn.*

Model *To-320-B1A* H. P. *160* Serial No. *619-55*

Stroke *3.875*
Bore *5.121*
Manifold Pressure { Normal
Maximum

R.P.M. { Normal *2350 Cruise*
Maximum *2700*
B.H.P. { Normal
Maximum *160*

Gear Reduction Ratio .. *None*
Rotation of Propeller .. *Clockwise*

Certified Correct Date

OWNER..... { Name
Address

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

RESV
CHECK

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine T	TACH 2297:96 (RIGHT)		J & C AIRCRAFT		DATE <u>4-5-87</u>
Fuel Systems, and carburetor	MAJOR OVERHAUL 0320 B1A. I HAVE INSTALLED THE FOLLOWING NEW				
Lubrication sys lines, strainers	PARTS; MAIN BEARINGS, ROD BEARINGS, ROD BOLTS & NUTS, CAM FOLLOWERS, OIL PUMP IMPELLER, OIL PUMP BODY OIL PUMP GEAR.				
Cooling system, Baffles, lines an	ALL NEW EXHAUST VALVES & INTAKE VALVES, NEW TACK DRIVE PIN				
Valves, push rod and rocker arm	NEW PISTON, PISTON PIN AND PISTON PIN PLUGS. NEW ROCKER SH				
Ignition, wires, and shielding	AFT, ROCKER SHAFT THRUST BUTTONS. NEW INTAKE HOSES, OIL				
Engine manifold mount, bolts an	RETURN HOSES. ALL NEW GASKET & SEALS. CAM SHIPPED OUT FOR				
Propeller Condition & All	OVERHAUL. INSTALLED NEW OIL FILTER ADAPTER. NEW OIL FILTER.				
Oil changed answer Yes	COMPLETE RING SET. NEW SLUG TUBES IN CRANKSHAFT. (NOTE ACC-				
	ESSORIES NOT OVERHAULED) EXISTING ENGINE HARNESS INSTALLED.				
	ALL STEEL PARTS HAVE BEEN MAGIFLEX & ALL ALUM. PARTS HAVE				
	BEEN ZYGLO. NEW ENGINE LORD MOUNTS. RETURNED AIRCRAFT BACK				
	TO SERVICE. ALL WORK				
Certified by	DONE IN ACCORDANCE WITH		SIGN <u><i>Paul L. Fenner</i></u>		
E License No.	MANUFACTOR TOLLORANCE		CERT <u>1469702</u>		
Address					

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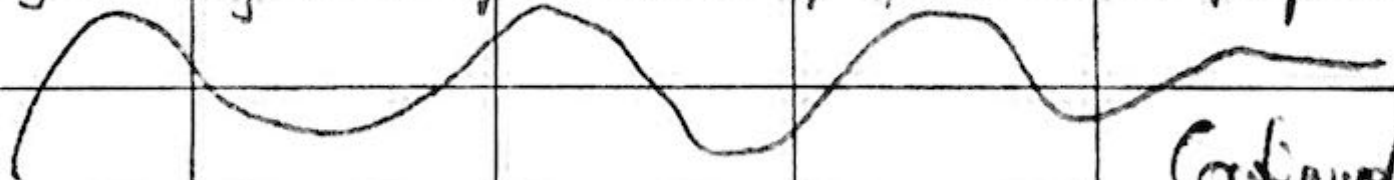
OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time					
Fuel Systems, lines gascolator and carburetor	4-5-87	Tach 2297.96	Installed Prop on R+Eng.		
Lubrication system, oil tank, lines, strainers and pump			I. A. W. Hartzell Installation Instructions		
Cooling system, cowling, Baffles, lines and fittings			David J. Strong A+P47669392		
Valves, push rods and rocker arms	10/30/87	TACH 2337.2	CHANGED OIL + FILTER.		
Ignition, wires, plugs, points and shielding			SERVICED WITH 89TS. AEROSHELL 15W-50.		
Engine manifold and motor mount, bolts and nuts			REPLACED CHT CYLINDER PROBE.		
Propeller Condition & Alignment			David J. Strong A+P135386456		
Oil changed answer Yes or No					
Certified by					
E License No.					
Address					

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Engine Serial

ENGINE CHECK REPORT

RECO
CHECK

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time	5-23-88	2431.4			
Fuel Systems, lines gascolator and carburetor	① Changed oil + filter. Serviced w/ Amsoil W/100 AD oil.				
Lubrication system, oil tank, lines, strainers and pump	Run-up + leak check - all good.				
Cooling system, cowling, baffles, lines and fittings	② Adjusted mag timing + synchronization.				
Valves, push rods and rocker arms	③ Rot R pop + governor for repair by Tri-County Prop. Governor yellow tag attached. See pop log for prop repair details.				
Ignition, wires, plugs, points and shielding					
Engine manifold and motor mount, bolts and nuts	④ Compression: ① 79/50 ② 78/50 ③ 80/50 ④ 75/50				
Propeller Condition & Alignment	⑤ Took oil sample (AOA).				
Oil changed answer Yes or No	⑥ Installed new bracket air filter assembly.				
	⑦ Tightened fuel pressure indicator hose fitting at firewall.				
Certified by	⑧ Adjusted engine idle speed to 700 rpm, full rich, fuel pump on				
E License No.					
Address					

Continued →

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REWORK
OVERHAUL

ENGINE OVERHAUL

Eng. Serial No.
Ship N C
Date

TOP-MAJOR (Cross out one)

NEW MATERIAL USED

Continued I certify that this engine has been inspected in accordance with a 100-hour inspection & was found to be in an airworthy condition. Walt [Signature] AL2020671151A

11-16-88 Tech 2447.5 Cut open filter checked for metal ✓ OK
Installed new filter Compression checked as follows #174
#275 #374 #472 Low E Lubrication R 417 528929434

3/7/89 TACH 249108 CHANGED OIL & FILTER & CHECKED SCREENS
Scott McHenry
SAFETY OIL FILTER, OIL SCREEN & DRAIN PLUG Richard Newman AP 361228232

Address Where Overhaul Performed

Labor & Material Certified by No.
Licensed Mechanic

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A062

REMARKS

3/29/89 TACH 2499.08 INSTALLED New MAGNETO HARNESSSES
+ CASIM
TREATED OIL WITH MICROLON Scott McTomy

64-1-1 AIR BORN MECH. VAC. PUMP DR. GEAR

COMPLIANCE 2-9-67

1-5 PROP. COV. C/W

4-26-9 COMPIED WITH BY AERO ACC. R.S. # 401-148 W.D. 17N-19

-9-7-R3 " " " " " " " " " "

-20-1 " " " " " " " " " "