



The Standard

ENGINE LOG

AGI-SI-2

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
------------	---------------------------	------------------	-----------------------------	--

Date: 05/27/2015	Recording Tach Time: 5281.6	SMOH: 795.5	Total Time: 5281.6	
Annual inspection completed this date, owner assisted. Engine inspected in accordance with FAR 43 Appendix D and found to be in airworthy condition. Compression readings as follows: 1-76/80, 2-71/80, 3-70/80, 4-68/80. Drained oil, checked oil screen for foreign material. Added 8 quarts Aeroshell 15W50 oil. Right magneto #10-51360-29R replaced with overhauled unit, serial number D-04020, see form 8130-3. Magneto re-installed and timed to engine. Operational check per FAR 43.15(c)(2) satisfactory. This engine is approved for return to service.				
			Martin Clemons	2803982 IA

Date: 10/12/16	Recording Tach Time: 5303.6	SMOH: 817.5	Total Time: 5303.6	
Annual inspection completed this date, owner assisted. Engine inspected in accordance with FAR 43 Appendix D and found to be in airworthy condition. Compression readings as follows: 1-75/80, 2-67/80, 3-76/80, 4-72/80. Drained oil, checked oil screen for foreign material. Replaced oil drain valve with P5000 quick drain valve. Added 8 quarts Aeroshell 15W50 oil. Operational check per FAR 43.15(c)(2) satisfactory. This engine is approved for return to service.				
			Martin Clemons	2803982 IA

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
------------	---------------------------	------------------	-----------------------------	--

Date: 10/13/16	Recording Tach Time: 5304.1	SMOH: 818.0	Total Time: 5304.1	
Complied with AD 98-02-08. Initial inspection completed on 12/12/05, minor pitting noted in log. Removed propeller, removed front crankshaft plug. Cleaned inner bore of crankshaft and performed inspection per instructions provided in Lycoming MSB No. 505B. section a through e. No signs of corrosion or pitting found. Installed new plug STD-1211, installed propeller. Next inspection due at 5404.1 TT. This engine approved for return to service.				
			Martin Clemons	2803982 IA

Date: 11/12/18	Recording Tach Time: 5310.7	SMOH: 824.6	Total Time: 5310.7	
Annual inspection completed this date, owner assisted. Engine inspected in accordance with FAR 43 Appendix D and found to be in airworthy condition. Compression readings as follows: 1-77/80, 2-73/80, 3-68/80, 4-77/80. Drained oil, checked oil screen for foreign material. Added 8 quarts Phillips 20W50 oil. Operational check per FAR 43.15(c)(2) satisfactory. AD 2017-16-11 not applicable, engine serial number not in range listed in Table 1 of Lycoming MSB 632B, no replacement parts installed which shipped during the dates listed in MSB 632B Table 2. This engine is approved for return to service.				
			Martin Clemons	2803982 IA

DATE 19 ____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Date: 10/12/2011	Recording Tach Time: 5258.4	SMOH: 772.3	Total Time: 5258.4	Annual inspection completed this date, owner assisted. Engine inspected in accordance with FAR 43 Appendix D and found to be in airworthy condition. Compression readings as follows: 1-76/80, 2-74/80, 3-76/80, 4-76/80. Complied with AD 60-11-08, inspection of Sensenich propeller hub, due again at next annual/100 hour inspection. AD 98-02-08 due again at 5306.0 TT. See AD compliance report for more details. Repaired carburetor air box by installing new bushings on air door per instructions provided with Avglas FG-100 repair kit and AC 43.13-1B chapter 4 section 5. Air box operation satisfactory. Operational check per FAR 43.15(c)(2) satisfactory. This engine is approved for return to service.
			Martin Clemons	524697043 IA
10/12/11	5258.4			Installed 8 new REM40E Spark plugs, changed oil with Aeroshell 15W-50.  Martin Clemons 524697043 A&P

DATE 19 ____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Date: 11/7/2012	Recording Tach Time: 5269.0	SMOH: 782.9	Total Time: 5269.0	Annual inspection completed this date, owner assisted. Engine inspected in accordance with FAR 43 Appendix D and found to be in airworthy condition. Compression readings as follows: 1-75/80, 2-75/80, 3-74/80, 4-72/80. AD 2012-03-07 does not apply, model MA4 SPA carburetor installed. Drained oil, checked oil screen for foreign material. Added 8 quarts Aeroshell 15W50. ~~Installed 8 new spark plugs~~ Operational check per FAR 43.15(c)(2) satisfactory. This engine is approved for return to service.
			Martin Clemons	524697043 IA
Date: 03/24/2014	Recording Tach Time: 5276.9	SMOH: 790.8	Total Time: 5276.9	Annual inspection completed this date, owner assisted. Engine inspected in accordance with FAR 43 Appendix D and found to be in airworthy condition. Compression readings as follows: 1-76/80, 2-64/80, 3-76/80, 4-72/80. Drained oil, checked oil screen for foreign material. Added 8 quarts Aeroshell 15W50. See airframe logbook for exhaust system components replaced at this time. Left magneto #10-51360-37 sent to Quality Aircraft Accessories for overhaul. CSB641, AD94-01-03R2, and AD 2005-12-06 complied with during magneto overhaul. Next inspection due at 5773.9TT. Magneto re-installed and timed to engine. Operational check per FAR 43.15(c)(2) satisfactory. This engine is approved for return to service.

DATE 19 ____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
-----------------	---------------------------	------------------	-----------------------------	---

Engine Log

Date 04-15-09 Engine: Lycoming
Installed in Aircraft PA-22 N8492D

Model 0320 B2A
TACH: 5206.0 Hrs.

Serial # L276-39
SMOH: 719.9

Annual / 100 Hr. inspection completed owner assisted
Compression CK: 1 - 78/80 3 - 72/80
2 - 70/80 4 - 66/80

This engine inspected and serviced in accordance of applicable sections of FAR 43, Appendix D.
Spark plugs cleaned and gapped. Checked mag. to engine timing 25 BTC. Pressure checked
Muffler - no leaks found. Changed oil and serviced with 6 qts. Of Aero Shell 15-50. Checked
All engine controls for correct operations.
C/W AD 98-02-08 Crankshaft for corrosion. No corrosion found. Next inspection due at
TACH: 5306

Fabricated and installed new primer line to No. 1 cylinder
This engine approved for return to service.

Duane N. Hodgkinson
Duane N. Hodgkinson 1108681 IA

DATE 19 ____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
-----------------	---------------------------	------------------	-----------------------------	---

ENGINE LOG

DATE 10 APRIL 2010 AIRCRAFT PIPER 22-160 S/N 22-5719
RWG.NO. 8492D A/C TT 5227.7 TACH 5227.7
ENGINE: LYCOMING 0320B2A SMOH 741.6

Annual inspection completed this date. Owner assisted
Compression check: 1-79/80 2-70/80 3-78/80 4-70/80
This engine inspected and serviced per applicable sections of FAR 43 Appendix D
and Lycoming service manual. Cleaned and gapped spark plugs. Checked magneto to engine
timing at 25 degrees BTC. Pressure checked muffler, no leaks found. Changed oil and serviced
with 6 quarts of Shell 15-50. Checked all engine controls for correct operation. Cracks were
found in the ring gear support and the assembly was replaced with a used serviceable unit
Part number 68867. All AD'S checked for compliance.. This engine is approved for return to
service as of this date and tach. Time.

Duane N. Hodgkinson
Duane N. Hodgkinson 1108681 IA

DATE 2007 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------------	---------------------------	------------------	-----------------------------	---

5-3-07 TACH 5144.74 GENERATOR NOT CHARGING. REMOVED AND REPLACED WITH OVERHAULD UNIT PART NO.-DELCO 1101900 S/N A703D109; OVERHAULD BY AEROTECH OF LOUISVILLE, INC. ON W/O # 85866 DATED 03/26/2007 OWNER ASSISTED. Okayed for return to service.
Dwain N. Hodgkinson 1108681 IA

10/12/07 TACH 5144.7 SIGNIFICANT OIL LEAK IN REAR OF ENGINE. REMOVED ENGINE FWD. A/C & DISASSEMBLED OIL SUMP ASSEMBLY FWD ENGINE. FOUND OIL SUCTION TUBE ASSY. GASKET MISSING. CLEANED ALL PARTS & REASSEMBLED ENGINE WITH NEW GASKETS PER LYC OVERHAUL MANUAL AND REINSTALLED IN AIRCRAFT. TIMED MAGNETS TO ENGINE 25° BTC. DISASSEMBLED CARBURETOR, CLEANED & INSTALLED NEW ACC. PUMP DISCHARGE VALVE P/N 36-540. SERVICED ENGINE WITH 6 QTS OF AERO-SHELL 15-50 & TEST RUN THIS ENGINE IS OKAYED FOR RETURN TO SERVICE. (OWNER ASSISTED)
Dwain N. Hodgkinson IA 1108681

DATE 19 2008	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4-4-08	TACH 5172.43			ANNUAL INSPECTION COMPLETED THIS DATE. COMP. CK 1-70/80 3-75/80 2-70/80 4-72/80 CHANGED OIL, CHECKED SCREEN - NO PARTICLES. SERVICED WITH 6 QTS AEROSHELL 15-50. SENT SAMPLE TO AVIATION LABS. CLEANED, GAPPED & PAINTED SPARK PLUGS. CHECKED MAG TIMING - OKAY. PRESSURE OKED INDIFFERS - OKAY PER AD 68-05-01 THIS ENGINE OKAYED FOR RETURN TO SERVICE Date 4-4-08 Tach 5172 J. J. 5172 I certify that this ENGINE has been inspected and found to be in good condition and was determined to be in satisfactory condition. Signed J. N. Hodgkinson TSP # 1108681 IA

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
------------	---------------------------	------------------	-----------------------------	--

[Faint purple text and signature visible through the paper]

1-27-07	CHANGED OIL & SERVICED WITH SHELL 15-50. TOOK OIL SAMPLE TACH 5102.35 & SENT TO AVIATION LABORATORIES FOR ROUTINE ANALYSIS.			

G.N. Hodgkinson IA 1108681

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
13 MAR 04	TACH 5108 TSMAN 621.9			ANNUAL INSPECTION COMPLETED THIS DATE. C.O.W.R. CK - 1-78/80 3-74/80 2-72/80 4-76/80 CLEANED OIL SCREEN - NO PARTICLES. OIL ANALYSIS FOR AVIATION LABS SHOWS ALL OKAY. CLEANED & GAPPED SPARK PLUGS, CHECKED MAG TIMING - OKAY. THIS ENGINE INSPECTED I.A.W. FAR 43 APPENDIX D. PRESSURE CHECKED MUFFLER - OKAY. PER AD 68-05-01., INSPECTED PROP PER AD 60-11-06 - NO CRACKS. CRANK INSPECTION DUE @ 5176.7 THIS ENGINE OKAYED FOR RETURN TO SERVICE AS OF THIS DATE & TACH TIME.
				Date 3/13/07 Tach 5108 ~~5108~~ ^{TSMAN} 621.9 I certify that this ENGINE has been inspected in accordance with an ANNUAL / 100 HR. inspection and was determined to be in airworthy condition. Signed <i>G.N. Hodgkinson</i> C.F.P. # ~~1108681~~ ^{IA} 1108681 IA

DATE 2005 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3-10	5054.8			TSMCH 568.7 INSPECTED PROPELLER FOR 100HR INSPECTION. C/W 60-11-CB BY INSPECTION THIS PROPELLER FOUND TO BE AIRWORTHY AT THIS TIME. INSPECTED THIS ENGINE FOR 100 INSPECTION, REMOVED EXHAUST PIPE FROM #1 AND #2, ~~LOCATED CRACKS~~ FOR REPAIR, REINSTALLED. PERFORMED COMPRESSION CK #1 7/8 #2 6/8 #3 6 1/8 #4 6 3/8, REPLACED SPARK PLUGS WITH NEW, ~~THE~~ CHECKED TIMING ON MAGS, CHANGED OIL, AEROSHELL 100W 60T, CLEANED SCREEN RAW ENGINE, NO LEAKS NOTED, THIS ENGINE FOUND TO BE AIRWORTHY AT THIS TIME J. K. Lee AHP 2801174 9/12/05 all changed, logs made added

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/12/05	5076.7			PERFORMED FLORESCENT PENETRANT INSPECTION ON CRANK SHAFT PER TEXTBOOK RECOMM. MSB 505B AS REQUIRED BY AD 98-02-08 (CRANK IS 10 YRS SINCE NEW). NO CRACKS. REMOVED MINOR CORROSION SPOT APPROX 1/4" FROM EXPANSION PLUG SEAT 1/8" X 3/16" 6 TO 10 PITS FOUND. NO CRACKS. NEXT FPT DUE @ 5176.7 TACH J. K. Lee AHP 2801174

DATE 2003 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------------	---------------------------	------------------	-----------------------------	---

SUNBIRD FLIGHT SERVICES

REG. NO.: N8492D Engine: O-320-B2A DATE: 5/13/2003
 MODEL: PA22-160 S/N: L-276-39 WORK ORDER: 211
 S/N: 5719 Tach: 4811.9 TTAf: XXXX

LOG ENTRY

Cleaned, gapped, and rotated spark plugs. Performed satisfactory engine compression test:
 #1) 78/80, #2) 73/80, #3) 77/80 #4) 77/80. Installed a new tachometer drive shaft seal (LW-
 14260). Washed engine. Ground ran and leak checked satisfactorily.

SIGNATURE: Kelly M Yates CERTIFICATE NUMBER: 520908170AEP
 Kelly M Yates

5/30/03	4831.8			Oil changed, filter checked - only carbon deposits in screen, 6 qts. added & returned to service. Pressure @ full power, 78. <u>Alan Paul</u>
6/21/03	4855.9			oil changed, 6 quarts added. <u>RC</u>
8/19/03	4886.96			oil changed, 6 quarts added, screen cleaned. <u>RC</u>
9/12/03	4917.96			oil changed, 6 quarts added. <u>RC</u>
10/11/03	4946.50			oil changed, 6 quarts added, screen cleaned. <u>RC</u>

TWIN OAKS AIRPARK INC
 12405 SW RIVER ROAD
 HILLSBORO OR 97123
 A&P 2038298 IA DATE 7-25-2003
 E-Mail: starktwn@gte.net

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.)
 N8492D WO# 7975 PIPER PA 22
 S/N 22-5719
 LYCOMING O-320-B2A S/N L-276-39

TACH 4870.4

R&R #2 & 3 cylinders and replaced #2 top rear through stud. Reinstalled cylinders with new gaskets and seals. Replaced exhaust studs #2 cylinder and milled port. Replaced all intake gaskets and hoses. Replaced all exhaust gaskets, replaced one exhaust clamp. Wash down engine and leak checked. Aircraft test flown.

Robert C Stark
 A&P 2038298 IA Robert C Stark

5/28/03 4906 Replaced 2 brake shoes, oil O-rings, Blue RTS Mark R. Myers

12/15/03 Tach: 4959.29 ETT: 4649.29 SMOH: 473.19 PTT: Unknown N8492D

I certify that this engine and propeller have been inspected in accordance with an annual inspection and were determined to be in airworthy condition. AD's researched and applicable AD's complied with through AD2003-24; see records elsewhere. Complied with AD60-11-08 by inspecting propeller hub; no defects noted; next inspection due at 12/04 or 5059 AFTT. AD98-02-08 (b)(3) is due 10/31/05 or 5486 AFTT, whichever is first. Compression #1- 79; #2- 75; #3- 79; #4- 78. Fabricated new oil cooler lines and rerouted lines on top of engine to move away from exhaust stack. Drained oil, checked and cleaned screen; serviced engine with 5 quarts Aeroshell W80 oil. Removed LH magneto; replaced points with new P/N ES10-357174; replaced capacitor with new P/N 10-51676. Repaired both P leads shielding; reinstalled magneto; timed magnetos. Test ran engine; checked for leaks; no defects noted; aircraft is approved for return to service.

Mark R. Myers
 Mark R. Myers A&P5436686191A

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9-99				
-19	4672.98			THIS ENGINE WAS GIVEN AN ANNUAL INSPECTION, NO REPAIRS OR ADJUSTMENTS NECESSARY Donald M Gray A&P 16323 IA.
-4-00				10-10-00 REPLACE STARTER WITH MAGNAFLITE M-2 6222 NEW EW 1125.1 ECG 69.58 Donald M Gray A&P 1632
6-17-00				OIL CHANGE, CHECKED SEALS O.K. PUT IN TOTS TELL 15/50
10-29-00	4719.5			THIS ENGINE WAS GIVEN AN ANNUAL INSPECTION NO REPAIRS OR ALTERATIONS DONE AT THIS TIME, COMPRESSION 1 $\frac{80}{80}$ 2 $\frac{80}{80}$ 3 $\frac{80}{80}$ 4 $\frac{80}{80}$ RELEASED AS AIRWORTHY Donald M Gray

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11-20-01	4751.25			THIS ENGINE WAS GIVEN AN ANNUAL INSPECTION, PLUGS CLEANED & TRANSPOSED. #3 PRIMER LINE REPAIRED, GENERATOR REPLACED WITH SERVICABLE UNIT. NEW TINNEMAN WASHERS INSTALLED ON COWL & SPINNER. COMPRESSION 1 $\frac{78}{80}$ 2 $\frac{77}{80}$ 3 $\frac{76}{80}$ 4 $\frac{80}{80}$ RELEASED AS AIRWORTHY Donald M Gray A&P 16323 IA.
11-14-02	4787.7			THIS ENGINE WAS GIVEN AN ANNUAL INSPECTION AND RELEASED AS AIRWORTHY ① $\frac{80}{80}$ ② $\frac{70}{80}$ ③ $\frac{76}{80}$ ④ $\frac{80}{80}$ Donald M Gray A&P 16323 IA.
5-1-03	4796.5			COMPRESSION 1 $\frac{80}{80}$ 2 $\frac{76}{80}$ 3 $\frac{80}{80}$ 4 $\frac{80}{80}$ Donald M Gray A&P 16323 IA

SERVICE

Technician or Repair Facility. (See back pages for other specific entries.)

9-12-96 Total Time 4572.14 SMOH 86.04 Compression Check #1 79/80 #2 76/80 #3 78/80 #4 78/80
 Changed oil, cleaned and inspected oil screen. Installed all new Scat Air Ducts. Installed new Tach Oil
 Seal. Complied with AD96-09-10. Installed new oil pump Kit Number 05K19423S, New housing
 P/N 78528 - Ground run and leak check OK. I certify that this Engine has been inspected in accordance
 with FAR 43 Appendix D in accordance with an 100 hour inspection, and returned to service.
 Charles Webster A&P 302352305 Charles Webster

09-12-96 Total Time 4572.15 SMOH 86.04 I certify that this engine has been inspected in accordance
 with FAR 43 Appendix D in accordance with an Annual inspection and returned to service.
 Peter Lindman IA 1858007 Peter Lindman

10-18-96 Tach Time 4595.2 SMOH 109.10 Changed oil Checked screen serviced with 7 Qts SC 20-50
 Charles Webster A&P 302352305 Charles Webster

5-10-97 Tach Time 4613.79 SMOH 127.69 Oil Changed 7 Qts XC 20-50
 Ken Fette Owner Ken Fette

9/97 AD 97-15-11 Pistons Pins N/A by Date of Overhaul
 Ken Fette Owner Ken Fette

DATE

RECORDING

TACH

TIME

TODAYS

FLIGHT

TOTAL

TIME IN

SERVICE

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

10-01-97 Total Time 4620.6 SMOH 134.5 Compression Check #1 78/80 #2 76/80 #3 78/80 #4 78/80
 Cleaned and inspected Oil Screen, no defects noted Ground run and leak check OK. I certify that this
 Engine has been inspected in accordance with FAR 43 Appendix D in accordance with a 100 hour
 inspection and was determined to be in airworthy condition
 Charles Webster A&P 302352305 Charles Webster

10-01-97 Total Time 4620.6 SMOH 134.5 Ground run and leak check OK I certify that this Engine
 has been inspected in accordance with FAR 43 Appendix D in accordance with an Annual inspection
 and was determined to be in airworthy condition.
 Peter Lindman IA 1858007 Peter Lindman

10-16-98 THIS ENGINE WAS GIVEN AN ANNUAL INSPECTION
 NO REPAIRS OR ADJUSTMENTS NEEDED, RELEASED AS
 AIRWORTHY
Donald M Gray A&P 16323 IP

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
---------------------------	------------------	-----------------------------	---

3-95 Tach/Time 4486.1 Overhauled Lycoming Eng Ser # L-276-39 In Accordance with Lycoming Overhaul Service Manual.
 Main Bearings p/n SL-10124 LW-13884
 Camshaft Reconditioned p/n 74166R sser # A023692
 New Rod Bolts P/N AL78027
 New Crankshaft P/N 13B27024 Ser # V29115
 New Tach Shaft P/N 68757
 4 New Piston Pins P/N AL14077-1
 8 New Tappet Bodies P/N 72877
 Crank Gear P/N 61155 Ser#. A054305
 Mod. S.B 475 New Bolt Installed
 Replaced Exh - Tem Gauge P/N A112000
 Installed New Eng. Mount Bushings P/N I982000
 3 New Ex. Valves P/N A119001
 2 New Cyl Stud Assy. P/N LW12413
 1 New Cyl. Kit P/N 05K21101
 1 Cyl Cerminil Stud Assy. Ser# 73043
 Charles Webster A&P 302382305 *Charles Webster*

02-17-96 Tach Time 4511.5 SMOH 25.4 Compression Check #1 80/78 #2 80/78 #3 80/75 #4 80/78
 Replaced all 8 spark plug with champions REM40E
 Charles Webster A&P 302352305 *Charles Webster*

4-13-96 Tach Time 4512.41 SMOH 26.3 Oil Change Phillips X/C 20-50 Screen Cleaned & Check OK
 Charles Webster A&P 302352305 *Charles Webster*

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
------	---------------------------	------------------	-----------------------------	---

6-26-96 Tach Time 4552.18 SMOH 66.08 Oil Change Phillips X/C 20-50
 Ken Fette Owner *Ken Fette*

Annual Sep 96 tach time 4572.14 SMOH 86.04
 Installed Overhauled Starter (Yellow Tagged - Work Order 3242 - Part #1109657 S/N3242 Delco Remy -
 Bendix P/N1908744 - 1D., Bushing part #810160 - 4 Brushes p/n1881838) (EMI aircraft accessories, inc.
 - Tulsa Oklahoma) Installed new heat shroud (Univair P/NU12742-004) Inspected muffler no leaks found
 Installed repaired Engine Mount. Heat from exhaust pipe damaged Mount. (Yellow tagged - Work Order
 #12228 8-6-96 - Cert # 4706816670- P/N 11786-12 S/N 12228)(By Aerospace Welding Minneapolis)
 Compression check #1 79/80 #2 76/80 #3 78/80 #4 78/80
 Replaced Brake Pads Univair P/N066-00504 0 Installed 3 new tires and tubes - new Elt battery exp 6/99
 AD#96-09-10 Installed new Oil Pump - Kit No. 05K19423S Oil pump drive shaft #61174 Gear #1W18103
 LW18109 Installation Service Bulletin 524
 Oil Pump Housing P/N 78528 705-2 complied with service instruction 13 41 service instruction 1164a -
 Installed new Tach Oil Seal #lw14260 Install all new scat air duct - Installed new Regulator #VR300-14-25
 Installed Front Top Strut bearing #452-419 and boot #14087-000 - Eliminates AD 64-05-04
 Charles Webster A&P 302352305 *Charles Webster*

[Crossed out section]

Engine Record General Information

Manufacturer LYCOMING

Model 0320 B2A

Serial L-276-39

Type Certificate _____

This engine is currently installed in aircraft:

N 8492D

PA-22-160

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours

Propeller

Sensenich

Model

M 74DM

S/N 19060

DO NOT USE FOR RECORD ONLY

 The Standard
ENGINE LOG

ACA-CE-1

DATE 19__	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.)
10-19-96				TACH TIME 4595.2 PLANNED oil change
				SCREEN SERVICED with 7qts XC 20 50
5/10	4613.79			2400 HRP 302382305
				OIL changed 4613.79 K PM
9/97	AD 97-15-11			Piston Pins N/A By Date of Overhaul R. P. M.

DATE 19__	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.)
10/1/97			134.5	Total Time: 4620.6 TSO 752.6 Compression Check #1 78/80 #2 76/80 #3 78/80 #4 78/80 Cleaned and inspected Oil Screen, no defects noted. Ground run and leak check OK. I certify that this Engine has been inspected in accordance with FAR 43 Appendix D in accordance with a 100 hour inspection and was determined to be in airworthy condition. C. Webster A&P302382305 <i>C. Webster</i>
10/1/97			131.5	Total Time: 4620.6 TSO 752.6 Ground run and leak check OK. I certify that this Engine has been inspected in accordance with FAR 43 Appendix D in accordance with an Annual inspection and was determined to be in airworthy condition. Peeter Lindma IA1858007

DATE 19__	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.)
--------------	---------------------------	-------------------	-----------------------------	--

ANNUAL AUG 96 TACH TIME 4572.14

INSTALLED OVERHAULED STARTER (Yellow tagged - Work Order 3242 - Part #1109657 Serial# 3242 DELCO REMY - BENDIX PART #1908744 - 1 D. Bushing part # 810160 - 4 Brushes part #183137) ENI AIRCRAFT ACCESSORIES, INC. - Tulsa (Oklahoma)
 INSTALLED NEW HEAT SHROUD (Univair Part #U12742-004)
 INSPECTED WATER NO LEAKS FOUND
 INSTALLED REPAIRED ENGINE MOUNT. HEAD FROM EXHAUST PIPE DAMAGED MOUNT (Yellow tagged - Work Order #12228 8-6-96 - Cert # V70681667 - Part # 11786-12 Ser. # 12228) (By Aerospace Welding Minneapolis, inc.)
 COMPRESSION CHECK #1 79/80 - #2 76/80 - #3 71/80 - #4 78/80
 REPLACED BRAKE PADS (Univair Part # 066-00504 - INSTALLED 3 NEW TIRES AND TUBES
 INSTALLED ELT BATTERY - EXPIRES JUNE 1999
 AD #96-09-10 INSTALLED NEW OIL PUMP - KIT NO. 05K19423S OIL PUMP DRIVE SHAFT #61174 GEAR #LW18103 LW18109 INSTALLATION SERVICE BULLETIN 524
 OIL PUMP HOUSING PART # 78528 705-2 COMPLIED WITH SERVICE INSTRUCTION 13 41
 SERVICE INSTRUCTION 1164A - INSTALL NEW TAC OIL SEAL #LW14260
 INSTALL ALL NEW SCAT AIR DUCT
 INSTALLED NEW Regulator #VR-300-14-25
 Installed Front top strut bearing #452-419 and boot #14087-000 - Eliminates AD 64-05-04

PLW 302382305

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.)
------	---------------------------	-------------------	-----------------------------	--

86.04
134.5

12/96 Total time: 4572.14 SMOH 704 14 Compression check #1 79/80 #2 76/80 #3 78/80 #4 78/80. Changed cleaned and inspected oil screen. Installed all new Scat Air Ducts. Installed new Tach oil seal. Complied with 096-09-10 Installed new oil pump Kit Number 05K19423S, new housing Part Number 78528. Ground run and check O.K. I certify that this Engine has been inspected in accordance with FAR 43 Appendix D in accordance with an 100 hour inspection, and returned to service. CRW 302382305

ENGINE SMOH 134.5 ABOVE ERROR CORRECTED

86.04 134.5

12/96 Total Time: 4572.14 TSMOH 704 14 I certify that this Engine has been inspected in accordance with FAR Appendix D in accordance with an Annual inspection and returned to service.

ENGINE TSMOH IN ERROR CORRECT TIME 134.5

DATE 19__	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.)
--------------	---------------------------	-------------------	-----------------------------	--

12-3-95 Tach Time 4486.1

MAIN BEARINGS P/N SL10124 LW13884
 CAMSHAFT RECORD P/N 74166R SER NO A023692
 NEW ROD BOLTS P/N AL78027
 NEW CRANKSHAFT P/N 13B27024 SER. NO. V29115
 4 NEW PISTON PINS P/N 68757
 8 NEW TAPPET BODIES P/N AL14077-1
 CRANK GEAR P/N 6155 SER. NO. A054305
 MOD. S.B. 475 NEW BOLT INSTALLED
 REPLACED EXH. TEM GAUGE P/N A112000
 INSTALLED NEW ENG. MOUNT BUSHINGS P/N I982000
 3 NEW EX. VALVES P/N AL19001
 2 NEW CYL. STUD ASSY. P/N LW12413
 1 NEW CYL. KIT P/N 05K21101
 1 CYL. CERMINIL STUD ASSY. SER. NO. 73043

Y. White REP 302382305

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.)
17-96	Tach Time 4511.5			COMPRESSION CHECK #1 - $\frac{80}{78}$ #2 - $\frac{80}{78}$ #3 - $\frac{80}{78}$ #4 - $\frac{80}{78}$
				REPLACED ALL 8 SPARK PLUGS with Champion
13/96	Oil Change 4523.41			REMOVED CAMSHAFT P/N 212358305 Phillips X/C 20-50. SCREEN cleaned & checked ok.
16/96	Oil Change 4552.18			Phillips X/C 20-50. A+B 302382305

Engine Record General Information

Manufacturer Lycoming

Model 032 B2A

A-274-39

Type Certificate _____

Engine is currently installed in aircraft 81920

Minimum Octane Fuel _____

Oil Grade: Summer 40/100

Winter W800

Idle Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

ENGINE LOG

8499D



PIPER AIRCRAFT CORP.,

LOCK HAVEN, PA.

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year	Mo. Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
8-14-94		Tach Time 4333.6							
		REPLACED RINGS IN ALL							
		FOUR CYL. GROUND RUN CHECK GOOD							
		REPLACED ALL RELATED GASKETS							
		CHW. A-P 302 382305							
10/9/94		OIL chg. 4368.54							
		Compression checked #1 80/80 #2 72/80 #3 72/80 #4 72/80							
		CHW. A-P 302 382305							
10/18/94		OIL chg. 4393.84							
		Screen checked OIL							
3/11/95		" " 4413.66							
		50W.							
TOTAL TIME									

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

REMARKS

7-1-95 Tach Time 4433.6 CHANGED OIL CHECKS
 SCREEN FILLED WITH 70th AIRSHELL W100
 COMPRESSION #1 80/80 #2 72/80 #3 80/80 #4 72/80
 CLEANED AND GAPPED PLUGS
 REPLACED CARBURETOR NEW CARB P/N 10-3678-12
 SER #3994582 GROUND RUN CHECKS GOOD
 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED
 IN ACCORDANCE WITH FAR 43 APPENDIX D AND RETURNED
 TO SERVICE CHW. A-P 312 382305
 7-1-95 Tach Time 4433.6

CERTIFY THAT THIS Engine
 BEEN INSPECTED IN ACCORDANCE
 WITH A CHW. A-P 312 382305 INSPECTION AND
 WAS DETERMINED TO BE IN AN
 AIRWORTHY CONDITION.

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			Min.		Min.		Min.	
		Ground	Air						
APRIL 05, 1994									
TACH									

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

SIGNATURE

CL⁵ J. Smith A+P 345366050

Date		R. P. M.		Ground Time		Air Time		Total Time	
Year				Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
Mo.	Day	Ground	Air						
12-15-90		Tach 3662		INSPECTED ENGINE 4138 HRS					
				COMPRESSION 1.74 - 2.72 3.78					
				4.74 CHANGED OIL 7 qt 80W/40					
				ENGINE HAS BEEN INSPECTED IN ACCORDANCE					
				WITH 100 hr INSPECTION					
5-8-91		Tach 3704.8		C2 with ACP 302382305					
				Comp test 80 Max 40 Min					
				1.68 2.70 3.78 4.62					
				oil changed by owner + screen					
				checked oil 100w.					
				I CERTIFY THAT THIS Engine HAS					
				BEEN INSPECTED IN ACCORDANCE					
				WITH 100 hr INSPECTION AND					
				WAS DETERMINED TO BE IN AN					
				AIRWORTHY CONDITION.					
				SIC 100 hr ACP # 302382305					
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
9-15-91 Removed engine for overhaul	Tach 3768.4
2-2-92 Tach 3768.4 Total Time 3768.4	OSMOH
Overhauled engine in accordance with Lycoming Service Manual	
4-1-92 opened engine inspected + measured all parts - found	
fretted web on center main - sent case to Dico in Tulsa	
for machine work - case returned OK - replaced rings - rod bearings -	
main bearings - all gaskets + seals - refinished all valves + seats	
Chubert ACP 302382305	
2-2-92 REINSTALLED ENG ON A/C 8492D GROUND RJA	
check good 100 LEAKS	
C2 with ACP 302382305	

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				Hrs.		Hrs.		Hrs.	
Mo.	Day	Ground	Air	Min.		Min.		Min.	
10	23	87	TAC 3247.5						
1	78/80	2	78/80	3	78/80	4	80/80		
CLEANED OIL SCREEN & REPLACED, COMPLETE COMPRESSION									
1 78/80 2 78/80 3 78/80 4 80/80, CLEAN & GAPPED PLUGS,									
REMOVED LEFT MAG, RE ADJUSTED POINTS & RETIMED									
TO ENGINE, REPLACED #1 EXHAUST GASKET, INSTALLED									
CRANK SHAFT SEAL, C/W AD 72-21-03 BY REPLACING									
FUEL LINE, LUBED ALL CONTROLS, CHECKED STARTER									
& GEN BRUSHES. I CERTIFY THIS ENGINE HAS BEEN									
INSPECTED IN ACCORDANCE WITH A 100H INSPECTION &									
WAS DETERMINED TO BE IN AIRWORTHY CONDITION,									
Larry McCarl 1A2145841									
TOTAL TIME									

REMARKS	SIGNATURE
12-10-87 Changed oil. added 8 quarts 40 wt mineral oil. removed Screen. found no signs of wear	
11-15-88 Tech time. 3273 hrs. Comp test. 80 Mag 40 Min 1-70 2-50-375 4-66	
I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100H INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.	
SIG. [Signature] 1306882 1A.	

Engine Serial ... L 288-39.....

NC 8492D.....

ENGINE LOG

SIGNATURE

Dec 1972
Year Mo. Day

R. P. M.

Ground Time
Hrs. Min.Air Time
Hrs. Min.Total Time
Hrs. Min.

Ground Air

NTSMOH

TTAKE 3222.93

Major overhaul performed this date in accordance with Lycoming over-haul manual. Cylinders chromed by chrome plate, spec. and returned complete with half-inch exhaust valve, sodium filled. New cylinder installed #4) Cam replaced, Crankshaft W/D attached, new main bearings & connecting rod bearings and bolts. New pistons and rings. Connecting rod checked @ Gibson Area for straightness. Oil pump replaced as per AD's. Magn rebuilt, Harmon's plugs replaced. All gasket and seals replaced. Engine run-up for 2 minutes. OK Engine preserved with 150wt/STP half & half.

TOTAL TIME

D. L. Ilronke ATP 323265643 IA 1/2

12 HR GAP IN LOG

REMARKS

Jan 20, 1984 took Reads 3222.93
Engine completely disassembled and reassembled according to manufacturing spec - all gaskets and seals installed new - accessories were not installed at this time - engine is not in aircraft at this time - aircraft being restored - Samuel Osborne
AP 482384061

ENGINE LOG

REMARKS

SIGNATURE

Aug 16, 1966 - Each Reads 3050 Engine inspected
 in accordance with 100hr Insp. Checked Magneto
 Cleaned Spark plug, Checked Compression - removed
 Carburetor send to L.A. Aircraft for
 AD rate compliance on float - needle valve
 and seat - Change Oil Clean Oil screen
 50wt Tex Oil - Replace Carb Seat & duct
 repair engine baffles - Checked starter & generator
 brushes - Check Valves - u/batt ATP-1031182

April 3 1967 - swallowed valve @ 3212.92 tach reading
 2814.00 TOL chrom. cyl.

Engine Serial

N C

Date		R. P. M.	Ground Time		Air Time		Total Time		
Year	Mo.		Day	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
			Ground	Air					
			FOLLOWING WORK ACCOMPLISHED FOR PERIODIC INSPECTION: AD-63-27-2 YW BY TOPPING ENGINE AT THIS TIME. FOLLOWING PARTS INSTALLED: 4 EA CHROME PLATED CYLINDERS WITH NEW GUIDES AND VALVES (INTAKE + EXHAUST) AND VALVE SEATS. SEE RELEASE TAGS. NEW PISTONS, RINGS, BRASS PISTON PIN PLUGS INSTALLED, ENGINE RUN IN IN ACCORDANCE WITH CHROME PLATE INC INSTRUCTION SHEET, A/C FLOWN 1:30. SEE BACK OF LOG FOR AD'S						
			I certify that this aircraft engine has been inspected in accordance with a 100 hr. periodic inspection and was determined to be in airworthy condition. TACK 2814 Date 4-12-65 TOTAL TIME 1714 T.S.O. 711 1365652						
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 TACK 2814 TTE. 1714

5704 711

SIGNATURE

REMARKS

ENGINE LOG

REMARKS

SIGNATURE

12-1-64 Inspected Aircraft engine only in accordance with a 100 hrs inspection and determined to be in airworthy condition. Replaced sparkplugs, with new plugs, repaired oil leak at #2 cyl rocker box.

Tach time:

Frank L. Kennedy

1587408 A & P

1-6-65

Aircraft engine has been inspected and found to be in airworthy condition to ferry to Kankakee Ill. for repair, recovery & periodic inspection purposes.

Frank L. Kennedy

1587408 A & P

NOTICE:—Making false entries in this book

ENGINE LOG

REMARKS

SIGNATURE

8/8/43. Perdue Insp on engine. Compression
 checked #1 70, #3 71, #2 72, #4 73, oil
 changed all screws checked. Points checked.
 replace ex. gaskets. Check 4 motor
 mount bushings.

I certify that this ^{engine} aircraft has been inspected in accordance
 with Perdue inspection and was deter-
 mined to be in airworthy condition.

Total Time 1508 Date 8/8/63

7/28/64 oil change 2730 hrs
 N. Perdue TFS 211
 Perdue TFS 211

ENGINE LOG

REMARKS

SIGNATURE

TACH 8403 3-77-63

CHANGED OIL CHANGED

BOTTOM PLUGS

5/10/63 100 in MAP 13771 F S

0320 MET about. as per type

#1 120. #3 118. #2 120. #4 121.

P. Rump 17 KES 211

I certify that this aircraft has been inspected in accordance
with 100 hr inspection and was deter-
mined to be in airworthy condition.

Total Time 1411

P. Rump 17 KES 211 Date 5/10/63

Mini Airport, Urbana, Ill.

NC

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

REMARKS

SIGNATURE

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

Total Time 1300 Date 10-20-62
From Chicago, Ill. to Miami Airport, Urbana, Ill.

NOTICE

ENGINE LOG

REMARKS

SIGNATURE

4-4-62

100 hour Insp. on Lye Eng 0-320
Chg. oilI certify that this aircraft has been inspected in accordance
with PIPER 100 hr inspection and was deter-
mined to be in airworthy condition.

Total Time 1107

Date 4-4-62

John E. Sutton
A&P 1471158

Mini Airport, Urbana, Ill.

6/28/62

100 Hr Insp on Lye ENG 0-320

Compression check, check points & plugs, changed
oil, cleaned oil screen.I certify that this aircraft has been inspected in accordance
with PIPER 100 hr inspection and was deter-
mined to be in airworthy condition.

Total Time 2313.737 Act

Date 6/28/62

William E. Crawford
A&P 1445545

ENGINE LOG

REMARKS

SIGNATURE

11-13-61

Major overhaul on Eng. found
 Cylinders to O.V. Install 4 Pistons, all new
 bearings, all valve springs. New hose &
 crosshairs new rings, all accessories O.K.
 New Pump & Ign. Cable. Repaired engine
 baffles. engine run up satisfactorily.

I certify that this ^{and} aircraft has been inspected in accordance
 with Bureau inspection and was deter-
 mined to be in airworthy condition.

Total Time 1003

Date 11/14/61

N. R. W. I A 5211

Miami Airport, Urbana, Ill.

ENGINE LOG

REMARKS

27/6/10 100 hrs TSP on engine as per log 0320
MMP Murali I certify that this aircraft has been inspected in accordance

with 100 lb inspection and was determined to be in satisfactory condition.

Total Time ~~1560~~ 1960 Date 2/7/61

N. R. R. A. E. S. 211. Mini Airport, Urbana, Ill.

7/3/61	Engine removed from 8499B at 1717 hr	
and	Time for CR.	N. Rimpl. REC'd 2H
Engine	Total time 1003 hrs	

NOT

ENGINE LOG

REMARKS

SIGNATURE

10/17/60. 25 hour inspection
Tape. Reading 1432 change
oil. Checked motor mount
for cracks. Checked fly
nuts & timing belt for
loosening & bars.
John E. Sutton ATP 1471158

11/12/60. 100 hr SVP on engine no Per type C 320
Inst. engine in up satisfactory.

I certify that this aircraft has been inspected in accordance
with 100-hr inspection and was deter-
mined to be in airworthy condition.

Total Time 840 Date 11/12/60

K. Rupp #AES211 Illini Airport, Urbana, Ill.

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

NC

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

REMARKS

SIGNATURE

7/21/60. Pwodi snap on engine in covered hangar
type 032 B2 7 May. engine snap on lat 10/1/60.

I certify that this aircraft has been inspected in accordance with Part 43 inspection and was determined to be in airworthy condition.

Total Time ~~1277~~ 740 Date 7/21/60

K. R. F. Z. S. A. I. Illini Airport, Urbana, Ill.

10/7/60. 25 hrs Inspection
Cleaned Lower Plugs.
Changed oil. Checked motor
mounts for cracks. Checked nuts
+ studs. Found OK.
John Sutton ATP 1471158

NOTICE

ENGINE LOG

REMARKS

SIGNATURE

12/16/59. 100-cc MAP on engine in used until
 NYC 0320 B2 A. ~~not used.~~

I certify that this aircraft has been inspected in accordance
 with 100-cc inspection and was deter-
 mined to be in airworthy condition.

Total Time 540

Date 12/16/59

K. Rump R & S 211

Illini Airport, Urbana, Ill.

OIL CHANGE

OIL CHANGE

4/14/60. 100-cc MAP on engine in used until
 NYC 0320 B2 A.

I certify that this aircraft has been inspected in accordance
 with 100-cc inspection and was deter-
 mined to be in airworthy condition.

Total Time 640

Date 4/14/60

K. Rump R & S 211 Illini Airport, Urbana, Ill.

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

8/20/59 Power Insp on engine in accord
with Ryc 0320 Inst. Muhl.

I certify that this aircraft has been inspected in accordance
with Power inspection and was deter-
mined to be in airworthy condition.

Total Time 358 Date 8/20/59

R. R. Muhl, IRES 211 Illini Airport, Urbana, Ill.

9/29/59 100-H Insp on engine in accord
with Ryc 0320 Inst. Muhl.

I certify that this aircraft has been inspected in accordance
with 100-H inspection and was deter-
mined to be in airworthy condition.

Total Time 444 Date 9/29/59

R. R. Muhl, IRES 211 Illini Airport, Urbana, Ill.

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

SIGNATURE

2/31 Eng. disassembled - new crankshaft installed - also
installed were - new rings (all), all main bearings,
rod bearings, spark plugs (C225), and new gaskets
and seals throughout.
all accessories O.H. including Carburetor.
New ign. harness installed
Norman E. James Jr. ACP 1376551
Engine installed in NC499D

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

DATE 10/2/58 HOURS 299 100 H. PERIODIC X
ADS THRO COMPLIED WITH INSPECTION INSPECTION
OIL CHANGE ✓ ENGINE MT. CK. ✓
OIL SCREEN CLEANED ✓ ENGINE WIRING CK. ✓
FUEL SCREEN CLEANED ✓ PLUGS CLEANED & GAPPED ✓
AIR FILTER CLEANED ✓ MAGS CK. ✓
EXHAUST MUFFS CK. ✓ ENGINE WASHED ✓
HEATER MUFFS CK. ✓ ENGINE RUN UP ✓
CARB AIR HEATER CK. ✓ IDAL SPEED SET ✓
IT IS CERTIFIED THIS ENGINE WAS INSPECTED ACCORDING TO C.A.M. 18 AND
FOUND AIRWORTHY.
ONEAL AVIATION CORPORATION
VINCENNES, INDIANA
J. EARL LEACH
A & E 1140570

10-8-58 TAC READS 303:01 HRS. CLEANED, GAPPED & TESTED
SPARK PLUGS, INSTALLED ONE NEW PLUG, CHECKED BACK OF D
PLATS & MAGS PROBS. INSTALLED NEW Red C.H.P. Magn. Ball 175P. 12-16
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	Mo.	Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.
1958									
4	1	1	50		147	55	7:55		47 55
4	2		30		149	45	9:45		49 45
4	4	4	55		150	15	10:15		50 15
4	4	4	55		155	10	15:10		55 10
4	11	1	10		156	20	1:10		1 10
4	12	1	00		157	20	2:10		2 10
4	13	5	50		163	10	8:00		8 00
4	17	2	50		166	00	10:50		10 50
4	19		20		166	20	11:10		11 10
4	20	2	30		168	50	13:40		13 40
4	23	2	15		171	05	15:55		15 55
4	25	1	20		172	25	17:15		17 15
4	27		45		173	10	18:00		18 00
4	29	1	45		174	55	19:45		19 45
4	30	1	40		176	35	21:25		21 25
5	1	2	20		178	55	23:45		23 45
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

4-4-58 100 Hrs all 10 tests completed
 Fuel Chg 5 P-7 Chnged Plugs

DATE 4-4-58 HOUR ENG. CHECK 100 Hrs

Oil Changed ☒ Eng. Mount Inspected ☒
 Oil Screen Cleaned ☒ Cowling & Fastners Insp. ☒
 Fuel Screen Cleaned ☒ Ignition Wiring Insp. ☒
 Air Filter Cleaned ☒ Plugs Cleaned & Checked ☒
 Exhaust Stacks Insp. ☒ Mags. Cleaned & Checked ☒
 Heater Muffs Insp. ☒ Eng. Washed Down ☒
 Carb. Air Heater Insp. ☒ Eng. Run. Up ☒
 Idling Speed Checked ☒

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

SALEM AIR SERVICE

Lockrone Field

Salem, Illinois

CHAS. S. WELLS

A & E 1178830

Engine Serial N C

Date		R. P. M.		Ground Time		Hrs.		Min.	
Year	Mo.	Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.
57					64	31	14	25	64 31
1	4			30	65	01	14	55	65 01
1	5			50	65	51	15	45	65 51
1	8	3		45	69	36	19	30	69 36
1	10	12		40	82	16	32	10	82 16
1	12	1		15	83	31	1	15	1 15
1	14	1		30	85	01	2	45	2 45
1	15				100	00	Time Corrected to Tank Reading.		
1	18			55	100	55	55		55
1	19			15	101	10	11	10	1 10
1	25	5		00	106	10	6	10	6 10
2	4	2		15	108	25	8	25	8 25
2	9	1		50	110	15	10	15	10 15
2	10	1		20	111	35	11	35	11 35
2	19	4		20	115	55	4	20	13 55
2	20	2		35	118	30	6	55	18 30

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

100H— Inspecting all 10 rot.
Completed with log 57-25

DATE 1-5-58 HOUR ENG CHECK 100H

Oil Changed	Eng. Mount Inspected
Oil Screen Cleaned	Cowling & Fasteners Insp.
Fuel Screen Cleaned	Ignition Wiring Insp.
Air Filter Cleaned	Plugs Cleaned & Checked
Exhaust Stacks Insp.	Mags. Cleaned & Checked
Heater Muffs Insp.	Eng. Oil Fed Down
Carb. Air Heater Insp.	Eng. Run. Up
	Idle Speed Checked

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

SALEM AIR SERVICE
Lockport, Field
Salem, Illinois

CHAS. S. WELLS
A & E 1178830

2-10-58 - 2.5 hrs checked.

Instructions for the Use of Log Book

- This log must always accompany the engine to which it refers.
- No pages shall be torn from Log Book. No erasures, and all entries to be made in ink.
- 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. 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.

- 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.
- 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.
- CAA-18-1 Repair and Alteration forms listed on last page.
- 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 *8400*
License No.

MANUFACTURER { Name *Summit Div. Piper Aircraft Corp.*
Address *Wichita, Kansas*
Model *0-320-B2A TC4274* H. P. *160* Serial No. *2-276-39*

Stroke *2.875*
Bore *4.125*
Manifold Pressure { Normal
Maximum

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

Gear Reduction Ratio
Certified Correct Date
Rotation of Propeller *Clockwise*

OWNER { Name
Address
.....

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