

The subject aircraft was involved in an incident /  
accident on 1/22/2026 rendering it a Constructive Total  
Loss as not repairable within its insured value. For  
further details refer to insurance claim: 3024217549US.

Signed: *Underwriters Salvage Company*

Date: **3/3/2026**

AIG Aerospace Adjustment Services Inc  
3500 Lenox Road, Suite 1100



*The Standard*  
**ENGINE LOG**

ASA/SE-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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10/21/95	458.7			<p>Engine inspected &amp; PW Piper faces          owners handbook for operational &amp; maintenance          compressions check 68, 68, 68, 72. I certify          that this engine &amp; pipop has been inspected          and was determined to be in airworthy          condition for 100 inspection          Bill Alderman PMA # P4011687</p>
10/21/95	TACH 458.7			
				<p>I certify that this ENGINE HAS BEEN          INSPECTED IN ACCORDANCE WITH AN          ANNUAL INSPECTION AND WAS DETERMINED          TO BE IN AIRWORTHY          DThune A &amp; P 002823013 IA</p>

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				TACH TIME <u>422.4</u> TOTAL TIME <u>5405.9</u> I HAVE INSPECTED THIS <u>ENGINE FUEL</u> IN ACCORDANCE WITH A <u>Visual</u> INSPECTION AND HAVE DETERMINED IT TO BE IN AN AIRWORTHY CONDITION AS OF THIS DATE <u>07-01-2023</u> AD COMPLIANCE <u>Outstanding</u> CHARLES STEPHENSON A&P 1835224
				 WIO # <u>029-22</u> CHUCK'S AIR REPAIR 17313 E. 109th ST. NO. OWASSO, OK 74055 (918) 272-3507
				<i>Charles Stephenson A&amp;P 1835224 IA</i>

June 30, 2023 PA22/20, TT: 3453.9, TACH:455.3. Engine O-290D2, S/N: 4958-21.

Removed cylinders 1 & 2. (Broken Piston Rings) Replaced with 2 overhauled chromed cylinders and pistons. Respective part number (2) O-290, P/N: 67906.

Two customer supplied pistons inspected under Part 43, 21-7 and installed with new steel rings. Repairs done in accordance with Part 43.13 and Piper Service Manual. Performed ground run-up for operational check and check for leaks.

(None Noted). Flight check performed with a static RPM of 2300. Operational check OK. OK to RTS this day. -----END.

Michael Leone A & P 2717287 *Michael Leone*

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				09/22/2023, N3573A, PA22/20-135, TT: 3453.9, TACH: 455.3. Engine O-290D2, S/N: 4958-21. Inspected ENGINE IAW with Piper Inspection sheet No. 230-201, Service Manual and Part 43-13 did the following: Compression Check over 80 lbs.; #1 - 73, #2 - 78, #3 - 75, #4 - 78 all hot. Removed, cleaned and replaced induction filter (BA-4108). Removed, cleaned, gaped and rotated spark plugs. Complied with AD- 54-02-01 to check timing to 18 degrees BTDC. Drained oil and refilled with 7 quarts of 20W50 Phillips XC oil and removed and replaced oil filter with Tempest 74108-2 filter. Cleaned oil cooler and check for leaks. (NONE NOTED). Performed AD-60-10-08 FUEL VALVE CHECK. Complied with AD2005-12-06 (MAG S4L11-21) AD93-11-11 & AD96-09-10 Complied with engine change. Performed ground run operation and check for leaks. (NONE NOTED) -----END.
				I certify that this ENGINE has been inspected IAW a 100-HOUR INSPECTION and was determined to be in an AIRWORTHY condition this day. -----END.
				Michael Leone 2717287 A & P <i>Michael Leone</i>

9-22-2023 TT 3453.9, Tach 455.3, TSMOH 455.7. AD Biweekly checked thru 23-19. AD 05-12-06 due

NLT 497.1 Tach concerning Bendix Magneta's impulse couplings inspection IAW AD and TCM

MSB No. MSB645, dated 4-4-1994. I certify that this engine and prop has been inspected and was

determined to be in airworthy condition. Run up leak check normal. *AP 1A 2305026 R. Morris* -----END

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100 HOUR INSPECTION

4/17/2021, TT: 3405, TACH: 407.5 – Engine O-290 D2, S/N: 4958-21. Inspected ENGINE in accordance with Piper Inspection Sheet NO. 230-201 and Service Manual did the following: Compression Check over 80 lbs.; (1) – 63h, (2) – 65h, (3) – 79h, (4) – 79h.

- Removed and replace induction air filter with BA-4108 filter. Removed, cleaned and rotated 8 Tempest 40E spark plugs. Check magnetos timing in accordance with AD 54-02-01 and check magneto timing to be 18 degrees BTDC. Firewall check in accordance with AD – 57-22-01, FUEL VALVE CHECK AD 60-10-08.
- Cleaned oil cooler and check for leaks. Performed ground run operation and check for leaks. NONE FOUND.

I certify this engine has been inspected IAW a 100-hour inspection and was determined to be in an airworthy condition this day.-----END.

Michael A. Leone 2717287 A & P *Michael A. Leone*

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11/21/21 PA22/20-135, TT: 3415, TACH: 416.5 Drained oil and removed filter. Replaced filter with Tempest 48108-2 filter. Added 7 quarts of Phillips 66 20W50 oil. Ran engine and check for leaks. None noted. OK to RTS this day.

Michael Leone A & P 2717287 *Michael Leone*

July 1, 2022 PA22/20-135, TT: 3421, TACH: 422.4 – Engine O-290 D2, S/N: 4958-21. Inspected ENGINE in accordance with Piper Inspection Sheet No. 230-201 and Service manual did the following; Compression check over 80 lbs.; (1) 65h, (2) 63h, (3) 78h, (4) 78h.

- Removed and replaced induction air filter and cleaned and replaced. Removed, cleaned and rotated 8 Tempest 40E spark plugs. Checked confirmed magneto timing to be 18 degrees BTDC. Firewall checked in accordance with AD – 57-22-01, FUEL VALVE CHECK AD 60-10-08. Cleaned oil cooler and check for leaks. Performed ground run-up operation and check for proper magneto drop and check for leaks. NONE NOTED.

I certify that this engine has been inspected IAW a 100-hour inspection and was determined to be in an airworthy condition this day -----END.

Michael Leone 2717287 A & P *Michael Leone*  
*Charles W. Stephenson IA 1835224 A/P P/P.*  
 2026507

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**100 HOUR INPECTION**

9/12/2018 TT: 3372.8, TACH: 374.6 – Inspected ENGINE in accordance with Piper Inspection sheet NO. 230-201 and Service Manual did the following:

- Compression Check over 80 lbs.: #1 – 63, #2 – 68, #3 – 79, #4 – 78 all cold.
- Removed the induction air filter element and inspected, washed, oiled and reinstalled. Replaced spark plugs with new Champion 40E plugs. Magnetos check for proper timing (18 degrees BTDC) Drained and replaced oil and replaced with 7 QTS of Phillips 20W50 oil and changed filter with TEMPEST 48108-2 filter. Firewall check with AD 57-22-01, FUEL VALVE CHECK AD 60-10-08. Preformed ground run operation and check for leaks. NONE FOUND.

I certify that this engine has been inspected IAW a 100-hour inspection and was determined to be in airworthy condition. Michael A. Leone 2717287 A & P

*Michael A. Leone*

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**100 HOUR INSPECTION**

11/12/2019, TT: 3397.1, TACH: 398.9 – Engine O-290 D2, S/N: 4958-21. Inspected ENGINE in accordance with Piper Inspection Sheet NO. 230-201 and Service Manual did the following: Compression Check over 80 lbs.; (1) – 65, (2) – 68, (3) – 79, (4) – 79 all cold.

Removed and replace induction air filter with BA-4108 filter. Removed, cleaned and rotated 8 Tempest 40E spark plugs. Check magnetos timing in accordance with AD 54-02-01 and check magneto timing to be 18 degrees BTDC. Drained and replaced oil and replaced with 7 QTS of Phillips 20W50 oil and changed filter with TEMPEST 74108-2 filter. Firewall check in accordance with AD – 57-22-01, FUEL VALVE CHECK AD 60-10-08. Cleaned oil cooler and check for leaks. Performed ground run operation and check for leaks. NONE FOUND.

I certify this engine has been inspected IAW a 100-hour inspection and was determined to be in an airworthy condition this day -----END.

Michael A. Leone 2717287 A & P

*Michael A. Leone*

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				

BC700 OIL FILTER ADAPTER

12/23/2016 N3573A PA-22/20-135 Lycoming O-290-D2 S/N: 4953-21

TACH SMOH: 322.2 TT: 2853.9

Installed BC700-1 Oil filter adapter, STC/PMA S/N: 1P60G3U33 and installed a Vern-A-Therm Plug S/N: LB987 on IAW the installation instructions included with the Model BC700 Oil Filter Adapter Doc. No. FK502-xx. Serviced engine with 7 quarts of Phillips 20W50 oil. Engine was run up and check for leaks. OK to RTS this day after adding lock wire to Filter. END

Michael A. Leone A & P

*Michael A. Leone*


<sup>100</sup>  
~~ANNUAL~~ ANNUAL INSPECTION

8/1/2017 TT: 3337.1, TACH SMOH: 338.9 – In accordance with Piper Inspection sheet NO. 230-201 and Service Manual did the following:

Compression Check over 80 lbs.: #1 – 73, #2 – 70, #3 – 79, #4 – 78 all cold. Removed the induction air filter element and inspected, washed, oiled and reinstalled. Cleaned, gapped, rotated and reinstalled spark plugs. Complied with AD 54-02-01 by checking and adjusting the magnetos to 18 degrees BTDC. Check for leakage BC700-1 Oil filter, STC/PMA and found no leaks. Checked exhaust in compliance with AD 68-05-01. Next Due: 3437.1. Firewall check with AD 57-22-01, Fuel Valve Check AD 60-10-08. Rechecked all AD's listed and current/complied. Oil change/filter due at TACH:372.2. Performed ground run operation and checked for leaks. NONE FOUND-----

I certify that this engine has been inspected IAW an ANNUAL and was determined to be in airworthy condition. Michael A. Leone 2717287 A & P. *MA Leone* End -----

OF  
ES.)







DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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— 11/17/2012

— N3573A S/N: 22-1847 TACH: 242.6 Lycoming O-290-D2 SMOH: 587.4

— Drained the engine oil and removed the oil screen. Inspected and cleaned the screen and reinstalled  
with new gaskets (2 ea. P/N: 61173). Serviced the engine with 7 quarts of Phillips 66 20W-50 oil.  
— Removed intake filter, cleaned and replaced. Inspected and cleaned the fuel bowl screen and reinstalled  
with a new gasket (P/N: 462-049) and checked for leaks. Removed, cleaned, gaped spark plugs and  
— rotated with new gaskets and torqued IAW Piper Operators Manual. Inspected engine controls for  
— security and full travel. Operational check OK and returned to service.

— Michael Leone P 2717287 *M. Leone*


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— 11/17/2012

— N3573A S/N: 22-1847 TACH: 242.6 Lycoming O-290-D2 SMOH: 587.4

— Performed an annual inspection. Compression check over 80: #1 – 70, #2 – 70, #3 – 75, #4 – 78.  
— Inspected the ELT IAW FAR 91.207 (d). Battery replacement due by 9/2013.  
— Complied with:  
— AD 68-05-01, inspection of exhaust muffler per (f) and (g), is due by 285.1 Tach time.  
— C/W: AD 54-02-01 by checking and adjusting the magneto to engine timings to 18 degrees BTDC. Next  
inspection due Tach 313.3. AD 57-22-01 Visual inspection of the sealing of the Firewall per (4) of AD.  
— Visual inspection due 313.3 Tach time. Inspection of lift struts per AD 99-01-05 (applies to rear lift struts  
only) is due by 11/2014 and magnetic particle inspection of rear lift strut forks is due by 500.0 Tach time.  
— Ran the engine for an operational and leak check. I certify that this engine has been inspected IAW an  
annual inspection and was determined to be in an airworthy condition.


*C. Clinton*  
A9 P 1732849

D/  
19

**Coffey County Airport  
Burlington, KS**

6/1/10

N#: 3573A

Lycoming O-290-D2

S/N: 4953-21

Tach: 185.1

TT: 3919.3

SMOH: 529.9

Performed an annual inspection. Compression check over 80: #1-65, #2-64, #3-67, #4-71. Drained the engine oil and removed the oil screen. Inspected and cleaned the screen and reinstalled with new gaskets (2 ea. P/N 61173). Serviced the engine with 7 quarts Aeroshell 15W-50. Cleaned, gapped, rotated, and reinstalled the spark plugs with new gaskets and torqued. R&R the inlet air filter with new (P/N BA-4108). Inspected the engine controls for security and full travel. Inspected and cleaned the fuel bowl and reassembled with a new gasket (P/N 462-049) and inspected for leaks. R&R the exhaust muffler with overhauled from Aerospace Welding (P/N 10308-003)(see ARC dated 5/21/10). C/W AD 68-05-01 by replacement of the exhaust muffler and inspection per (f) and (g) of AD. Visual inspection due each 100 hours until 950 hours TT on the muffler and then 50 hour interval inspections apply. C/W AD 54-02-01 by checking the magneto timings for 18 degrees BTDC. Timing check due again by 285.1 tach time. Ran the engine for an operational and leak check. I certify that this engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition. Brandon Neff IA 3083333. *Brandon Neff*

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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**Coffey County Airport  
Burlington, KS**

8/5/11

N#: 3573A

Lycoming O-290-D2

S/N: 4953-21

Tach: 213.3

TTE: 3947.5

SMOH: 558.1

Performed an annual inspection. Drained the engine oil and removed the oil screen. Inspected and cleaned the screen and reinstalled with new gaskets (2 ea. P/N 61173). Serviced the engine with 7 quarts Aeroshell 15W-50 oil. Compression check over 80: #1-67, #2-62, #3-68, #4-73. Adjusted the right magneto timing. R&R the induction air filter element with new (P/N BA-4108). Cleaned, gapped, rotated, and reinstalled the spark plugs with new gaskets and torqued. Inspected the engine controls for security and full travel. Inspected and cleaned the fuel bowl screen and reinstalled with a new gasket (P/N 462-049) and checked for leaks. AD 68-05-01, inspection of exhaust muffler per (f) and (g), is due by 285.1 tach time. C/W AD 54-02-01 by checking and adjusting the magneto to engine timings to 18 degrees BTDC. Timing check is due again by 313.3 tach time. Ran the engine for an operational and leak check. I certify that this engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition. Brandon Neff IA 3083333. *Brandon Neff*

DATE 2009  
19

RECORDING TACH TIME

TODAYS FLIGHT

TOTAL TIME IN SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS  
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

7/30 129.0 - 473.8 SMOH Drained and Reserviced with AERO shell 15-50 7qts. Cleaned oil screen and ops check good during engine run by L. in AIP 2695299  
next oil change due AT TACH 179.0 hrs

DATE 2009  
19

RECORDING TACH TIME

TODAYS FLIGHT

TOTAL TIME IN SERVICE

DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS  
ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Tach 164.4 TT 3898.6 TSMOH 509.2 April 22/2009  
This Engine and Propeller was inspected in accordance with FAR 43. Cd). Removed and cleaned resapped all SPARK Plugs Replaced AIR FILTER BA4108, CW ADs 54-02-01 Mag Timing #18° BTC next due 264.4 AD 68-05-01 Exhaust Muffler next due 204.4 Compression check #1 78/80 #2 79/80 #3 77/80 #4 79/80  
Changed oil IAW AT 164.4 next due 214.4 Test Run leak check good. I certify this engine has been inspected IAW A 100 Hour/Annual Inspection and found to be in an Airworthy Condition by L. in AIP 2695299

April 22  
2009

D. Lane 2846398 /A+ AIP

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2007 10/23/07	0077.9	-	423.4	TSMOH Drained oil and serviced with 7qt AeroShell 15/50, Removed upper and Lower spark Plugs Resaped and cleaned, checked Timing AT 18° BTC, Inspected Exhaust by inspection per AD 68-05-01. Test Run, Leak check good. By G. L. Lacore A&P 2695299 10/23/07
2008 4/3/08	101.0	-	TT SMOH	3835.22 corrected TT and 581.32 SMOH on this engine. By G. L. Lacore A&P 2695299
<del>_____</del>				

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1908				

N3573A LYCOMING O-290 D2 SER. NO. 4958-21  
 TACH 101.0 TOTAL TIME: 3835.22 SMOH 581.32 DATE: 4/3/08  
 THIS ENGINE AND PROPELLER WAS INSPECTED IN ACCORDANCE WITH FAR 43.(d)..  
 REMOVED AND REPLACED ALL SPARK PLUGS WITH NEW AUTOLITE UREM40E PLUGS,  
 REPLACED AIR FILTER BA4108, C/W AD'S 54-02-01 MAG TIMING 18\* BTDC NEXT DUE 201.0  
 , AD 68-05-01 EXHAUST MUFFLER NEXT DUE 151.0, COMPRESSION CHECK #1 78/80 #2 79/80  
 #3 78/80 #4 79/80 OIL CHANGE DUE AT 127.1 TACH TIME. TEST RUN, LEAK CHECK GOOD.  
 I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100 HOUR INSPECTION AND FOUND  
 TO BE IN AN AIRWORTHY CONDITION.  
 GARY L. LACORE *Gary L. Lacore* A&P 2695299  
 I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL  
 INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION.  
 DANNY LACORE *Danny Lacore* IA 2846338 A&P

7/4/08	111.6	-	-	TSMOH 456.4 TTE 3845.8 Corrected Times due to engine Removal from PA 22-5N 22-1021 to PA-22/20 N3573A SN 22-1P47 By G. L. Lacore A&P 2695299 Previous Adjustment DATED 4/3/08 In error
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DATE 2006 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2/26/06	1325.0	Tach	365.6	170H Drained oil, cleaned screen - no debris found Served w/ 6 qts AS 15W100 Plus. Leak checked. Casey Smith 441900459 ATP
12/7/2006	1333.3	Tach	373.9	SMOH. Drained oil. Cleaned pressure screen & suction screen - no debris found. Served w/ 7 qts Arsohell 15W-50 oil. Removed spark-plugs, cleaned gapped & tested. Checked ignition timing = 18° BTC. Checked compression as follows: #1 70/80 #2 73/80, #3 72/80, #4 74/80. CW AD 54-02-01 Ignition timing by inspection of mag timing. Exhaust inspected as per AD 68-05-01. I certify this engine has been inspected IAW a 100 hr inspection and has been found to be in an airworthy condition as of this date. Casey Smith 3179378 ATP
2/4/2007	373.9	SMOH		Oil drained Engine removed from PA-22-135. Serviceable accessory case installed w/ pad for vac. pump. Serviceable oil pump installed has <del>key</del> cotter - pinned secured shaft - AD does not apply. TCM Mags installed (blue label) w/ 45.6 hrs SMOH and timed to 18° BTC. MA3-SPA carb installed #3972371 w/ "V" stamped on date tag. Engine installed in Piper PA-22/20-135 N3573A, SN 22-1847. Served w/ 7 qts Arsohell 15W-50 oil. Engine test run & leak checked. Spark plugs gapped & cleaned. Oil screens cleaned & inspected - No debris. Exhaust inspected

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Co- & re-installed, Complies w/ AD 68-05-01. Casey Smith ATP 3179378
02/25/2007	0029.1	Tach	374.0	SMOH Oil not drained. Removed upper spark plugs for Compression check: #1 73/80 #2 73/80 #3 75/80 #4 77/80 cold. Checked timing at 18° BTC. Inspect exhaust by inspection as per AD 68-05-01. Test run, leak check good. I certify this engine has been inspected IAW a 100 hr inspection and has been found to be in an airworthy condition as of this date. Casey Smith 3179378 ATP
03/14/07	0032.8		378.5	SMOH Removed Forward Exhaust pipe due to crack on #2 Cylinder Flange. Replaced with FAA/PMA New Exhaust Pipe PN K12043.23 SN 142171. TEST RUN, leak check good By R. Rawn ATP 2695299

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7-22-03 N-1213C Tach. 1229.39

Change oil + clean screen. check screen for metal, none found, install new gasket on air screen. test run + leak check - OK - Roy Smith 442429760 ATP

10/20/03	Tach	1240.0	Removed all intake tubes, cleaned + painted. Re-installed w/new intake gaskets + intake hoses. Installed new silicone valve cover gaskets. leak checked + returned to service. Casey Smith ATP 441900459
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11-25-03 Tach 1256.9 Drained oil + inspected screen - no metal or debris - serviced w/ seven quarts Aeroshell Mineral 80. Leak check Casey Smith 441900459 ATP  
1260.5 (25)

3/5/2004 Tach ~~1268.5~~ Removed, cleaned, gapped + tested plugs. Checked timing - 18° (c/w AD 54-02-01 - ign. timing). Oil not changed. Checked screen. Checked compression as follows #1  $\frac{72}{80}$ , #2  $\frac{74}{80}$ , #3  $\frac{79}{80}$ , #4  $\frac{74}{80}$ . Inspected exhaust as per AD 68-05-01. Bendix Impulse Mag AD 96-12-07 due at 1675.5. Engine test run and returned to service. I certify this engine has been inspected in accordance with a 100 hr inspection and has been found to be in an airworthy condition. Casey Smith 441900459 ATP

4-5-2004 1274.7 Tach. Drained oil. Cleaned screen - no debris founded. Serviced with 7 quarts Aeroshell W100Plus. Leak checked. Returned to service. Casey Smith 441900459 ATP

5-28-2005 1307.2 Tach Drained oil, inspected screen. Serviced w/ 7 qts AS100<sup>+</sup> oil. Install 2 new pushrod seals on #2 cyl. Comp as follows  $\frac{74}{80}$ ,  $\frac{72}{80}$ ,  $\frac{78}{80}$ ,  $\frac{76}{80}$ . Checked timing. c/w AD 68-05-01 exhaust inspection. Cleaned + gapped plugs. I certify this engine has been inspected IAW an 100 hr inspection and has been found to be in an airworthy condition. Casey Smith 441900459 ATP

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**Clamp's Aero Service, Newberry, SC (27J) Ph: 803-321-9046**

PIPER N1213C, TACH: 1192.07, TOTAL TIME: 3622.07	<b>DATE: 02/01/03</b>
SMOH: 368.19	

ENGINE COWL REMOVED AND A 100 HOUR INSPECTION COMPLETED. CYLINDER COMPRESSION CHECKED AS FOLLOWS: CYL #1 80/71, #2 80/74, #3 80/77, #4 80/56. CYLINDER #4 REMOVED (BROKEN PISTON RINGS), REPLACED CYL. WITH A REBUILT CHROME CYL. BY GIBSON AVIATION RSN: AV2R704K, SEE SERVICEABLE PART TAG DATED 01/23/03. UNIT WAS COMPLETE WITH VALVES, NEW PISTON AND RINGS. CYLINDER INSTALLED WITH ALL NEW GASKETS AND SEALS. SPARK PLUGS CLEANED, GAPPED AND ROTATED. NEW CHAMPION WASHERS M-674. OIL CHANGED, AEROSHELL 80 MINERAL ADDED TO SUMP, OIL SCREEN CLEANED. ENGINE WAS GROUND OPERATED WITH ALL SYSTEMS SHOWING TO OPERATE NORMALLY. (NO OIL LEAKS NOTED) \*\*\*END\*\*\*

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100-HR. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.\*\*END\*\*

*W.B. Clamp Jr.* - A&P 249486536





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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1999 05/15/99				Changed oil w/ Aerostell w100. Cleaned screen, Soften wired plugs. Test Run, No leaks Zurich R. Stalby #441 94 2171 Commercial
6-28-99	1098.3	TACH.		REPLACE 2 PRIMER LINES. #2 & 4 cly. REPLACE ENG, MOUNT RUBBERS. REPAIR Linking oil control Lines OPS CHECK GOOD. J. Brown 440629579 A&P
10-2	1124.4	TACH.		Change oil to <del>filter</del> . CHECK SCREEN FOR METAL NONE FOUND. SERVICE ENGINE w/ 70TS AS w100 OIL. WASH ENG. DOWN TEST Run & Leak checks OK J. Brown 440629579 A&P

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2000 <del>1999</del> 07-21-00	1152.4		3582.41	Annual inspection on this date. Clean inspect & lube controls. Replace all spark plugs with new REM40L. Check timing dt. Perform compression test - see results below. Change oil, inspect screen for metal - none found. Service with 70 Aerostell W100. Complied with ADs - see aircraft records. Test run & leak check.
				<p>Date: <u>07-21-00</u> Tach: <u>1152.4</u></p> <p>Total: <u>3582.41</u> SMOH: <u>prop</u></p> <p>I certify that this (engine) airframe has been inspected in accordance with a 100 hour (an annual) inspection and has been determined to be in airworthy condition.</p> <p>Authorized Signature: <u>J. Brown</u></p> <p>Certificate # <u>AP4400295791A</u></p>
				<p>COLD COMPRESSION CHECK</p> <p>#1 <u>65</u> / 80 #2 <u>66</u> / 80 #3 <u>66</u> / 80</p> <p>#4 <u>59</u> / 80 #5 <u>X</u> / 80 #6 <u>X</u> / 80</p>

DATE 19-96	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-2-96	(cont.)			UWDR 792L, W.O. 9944 dated 1-10-96. AD 68-5-1 (3-5-69) C/W by inspection IAW AD. Replaced #3 cyl bottom aft cylinder holddown stud (#38-13). Removed carburetor, repaired by Navajo Accessories (CRS# BU2R729K, W.O. #26706 dated 3-14-96 and #27111 dated 5-30-96); reinstalled using new gaskets (#66224). Replaced both muffler assy clamps (#70591-002-2 each). Replaced starter ring gear assy (#69340). Installed primer nipple assy (#74225), primer tube (#LW12098-0-130) and primer line (#10143-061). Removed paint from prop, inspected, repainted and polished as req'd. C/W AD 54-2-1 (Lyc, 2-1-54) by checking mag timing to 18° BTDC IAW AD; due next NLT 3489.45. AD's checked thru 9614. Generator O/H'd by Navajo Accessories, W.O. 26707 dated 3-14-96. I certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition. E7 Page ADP 467847079A

DATE 19-99	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4-5-99	1043.17	ACT	3473.17	PERFORMED A 100HR/ANNUAL INSPECTION PER ENGINE TSMOH - 219,29 PIPER/LYCOMING MAINT. INSTRUCTIONS. COMPRESSION CHECK AS FOLLOWS - #3 7/8" #1 7/8" #2 7/8" #4 7/8". CHANGED OIL AND CHECKED OIL SCREEN. SERVICED WITH AEROSHELL WIND OIL. CLEANED GAUGES AND TESTED ALL SPARK PLUGS. CHECKED AND CLEANED FUEL BOWL FILTER. INSTALLED NEW AIR FILTER ELEMENT. INSTALLED NEW LH SIDE OIL COOLER MOUNTING BRACKET. SECURED WIRES AND HOSES AS NEEDED. C/W AD 68-05-01 MUFFLER AND SHROUD CHECKS GOOD. INSTALLED NEW BLOW PROOF EXHAUST MOUNTING GASKETS. FILED NICKS AND PAINTED BACK OF PROPELLER. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. AIRCRAFT TEST FLOWN - ALL CHECKS GOOD. A/P 455130849 /A Jan B. McNamee

S/N - 4958-21 (N1213C)

DATE 1995	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Feb 14	847		3277	New log book. Times fwd. from original Chg. Oil 4/550 Min., cleaned screens, replaced spark plugs w/recond., installed new mag. harness, O/A both mags, new coil, pts, cond, g cov, rot. mag C/w AD 94-01-03R1, installed new Carb. float Q 1 pc. Venturi AD 93-18-03, insp exhaust system AD 68-05-01R1, Ran engine static rpm 2300, oil pres. 75#, Temp 110, Idle pres. 40 psi all OK. See attached list for complete AD listing Replaced Air filter element
	24510H			
				for Mr B Wilkin A & P 525445542
May 3	864			Changed oil - 7 qts Aero Shell SAE 50
Sep 11	883			" " " " " "
				Cleaned oil screen

DATE 1996	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-2-96	959.45	tach/	3389.45 TT/135.57 SMOH	Inspected engine 1A W Piper Inspection Report 230-201. Drained oil, checked screens and cleaned, serviced with 8 qts AeroShell W100, replaced oil housing gasket (#61173). Checked compression: 79, 78, 78, 74/80. Cleaned, inspected, gapped and tested spark plugs. Replaced #3 cyl w/ OH unit from J & J Air Parts (CRS# JE2R921K, w.o. JJI-32364-01 dtd 4-10-96), P/N 67906CE, using new seals and gaskets and 68338 piston ring and 2 ea LW13883 piston rings. Replaced all four rocker box cover gaskets (#75906), all four exhaust gaskets (#77611); 8 exhaust nuts (STD-1410), exhaust washers (STD-35) and exhaust lock- washers (STD-475); all four oil return line hoses (STD- 2180) and clamps; all four induction air hoses (STD-1196) and clamps. Replaced generator mounting bracket (#69113) and bolts (2 ea - SL25-1.13) using STD-8 and STD-160 washer/spacers. Replaced muffler assy with customer provided serviceable assy #10308-003, S/N - AWF 9944 from Aerospace Welding Minneapolis, Inc (CRS -

ENGINE RECORD -- GENERAL INFORMATION

MANUFACTURER Lycoming MODEL O-290-D2

SERIAL 4958-21 TYPE CERTIFICATE \_\_\_\_\_

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT PA22-135 N1213C s/n 22-1021

Installed on ACFT N3573A 2/4/2007 s/n 22-1847 373.9 SMOH

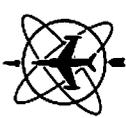
MINIMUM OCTANE FUEL \_\_\_\_\_ OIL GRADE SUMMER \_\_\_\_\_ WINTER \_\_\_\_\_

MAGNETO TIME \_\_\_\_\_ POINT SETTING \_\_\_\_\_ FIRING ORDER \_\_\_\_\_

SPARK PLUG GAP \_\_\_\_\_

MFG. RECOMMENDED OVERHAUL AT \_\_\_\_\_ HOURS.

Propeller: SENSEWICH 1174DM SK: 17853



The Standard

**ENGINE LOG**

# ENGINE LOG



*PIPER*  
**CUB**

*The World's Fastest Selling Airplane*

OVERHAUL

ENGINE OVERHAUL

Eng. Serial No. 4958-21.....  
Ship N C 1213.....  
Date 6-2-96.....

~~TOP~~ MAJOR (Cross out one)

11-20-85  $\pi$  3253 NEW MATERIAL USED Tech Reads 823088  
Engine disassembled and cleaned. All parts inspected  
for wear. Crankshaft was reconditioned by Repair shop  
and yellow tagged. All new main bearings installed  
New rod bearings, new rod bolts & nuts. All four cyls  
rebuilt & tagged. Engine reassembled with all new  
gaskets & seals. AD's 54-02-01. CW - AD 15-08-09 CW  
AP 9-18-04 CW by Insp. Aluminum Steel Oil Pump Impellers.  
Engine test run for oil leaks and proper RPM's.

I certify that this aircraft  
has been inspected in accordance  
with ANNOTS

ENGINE NOW O. SMOOTH  
A. Corey AP 7576Y3578 FA

Address Where Overhaul Performed

Inspection and was determined  
Labor & Material Certified by ..... No. ....  
to be in airworthy condition. Licensed Mechanic

REMARKS

(NO FURTHER ENTRIES)  
6-2-96

OVERHAUL

ENGINE OVERHAUL

Eng. Serial No. .... 746  
Ship N C .....  
Date .....

TOP-MAJOR (Cross out one)

NEW MATERIAL USED

7-31-80 TACH READS 705.1 - TOTAL TIME 3135.10  
CHANGED OIL - AERO SHELL W-50 - CLEANED  
SCREEN - NO METAL -  
9-23-80 TOTAL TIME 3177.0 - 1341 SMOH

Address Where Overhaul Performed

Labor & Material Certified by ..... No. ....  
Licensed Mechanic

REMARKS

TACH 746.0 TOTAL TIME 3176.0 TSMOH 1339.9  
COMP. CK. #1 60/80, #2 68/80, #3 62/80, #4 64/80  
CHANGED OIL Aero Shell 50 NON DET INSP SUCRO (NO METAL)  
Reinstalled SUCRO + GAFTED. CLEANED PLUGS CK INHA.  
TIMING. ENG. WASHED DOWN + RUN UP SH. NO FUEL OR OIL  
LEAKS NOTED.

I certify that this aircraft engine has been inspected in  
A/W 100 HR inspection and was determined to be  
in airworthy condition.

Total Time 3176 Date 10 JUN 1981

John H. Tweedie A + P 2157869

CHECK ENGINE CHECK REPORT Engine Serial .....

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time	28 July 77	Recording Tach	495.		
Fuel Systems, lines gascolator and carburetor	100 hr Insp completed as per Lycoming				
Lubrication system, oil tank, lines, strainers and pump	Service manual. Cyl comp ck 1 <sup>70</sup> / <sub>80</sub> 2 <sup>72</sup> / <sub>80</sub> 3 <sup>70</sup> / <sub>80</sub> 4 <sup>70</sup> / <sub>80</sub>				
Cooling system, cowling, Baffles, lines and fittings	480 change oil clean + insp oil screen				
Valves, push rods and rocker arms	clean + test plugs ck timing. Insp 546 2027				
Ignition, wires, plugs, points and shielding	An leaks + security clean fuel screen				
Engine manifold and motor mount, bolts and nuts	Eng controls for proper operation				
Propeller Condition & Alignment	DAP 12766				
Oil changed answer Yes or No	I certify that this A/C- Eng. has been insp. 1/A/W <del>insp.</del> insp. & Determined to be in an airworthy condition. A/C				
Certified by	SMOH	Eng. 1089	Date 28 July 77		
E License No.	L. R. Barnes				
Address	Lawson R. Barnes IA 52706				

NOTICE: Making false entries in this book is a violation of the Civil Aeronautics Act of 1926.

Engine Serial ..... ENGINE CHECK REPORT CHECK

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time	TACH READS 500:00	TSOH 1094.	9-3-78		
Fuel Systems, lines gascolator and carburetor	CLEANED PLUGS CHECKED FUEL STRAINER				
Lubrication system, oil tank, lines, strainers and pump	COMPRESSION CK 1 <sup>80</sup> / <sub>80</sub> 2 <sup>80</sup> / <sub>80</sub> 3 <sup>80</sup> / <sub>80</sub> 4 <sup>70</sup> / <sub>80</sub>				
Cooling system, cowling, Baffles, lines and fittings	THIS ENGINE HAS BEEN INSPECTED IN				
Valves, push rods and rocker arms	ACCORDANCE WITH AN ANNUAL INSPECTION				
Ignition, wires, plugs, points and shielding	AND WAS DETERMINED TO BE IN AN AIR-				
Engine manifold and motor mount, bolts and nuts	WORTHY CONDITION Ken Ginz IA 1943879				
Propeller Condition & Alignment					
Oil changed answer Yes or No	TACH READS 505:25 TSOH 1099.25 9-15-78				
Certified by	REPLACED EXHAUST TUBE STUD, REPAIRED				
E License No.	BROKEN PRIMER LINE. Ken Ginz A&P 1943879				
Address					

NOTICE: Making false entries in this book is a violation of the Civil Aeronautics Act of 1926.

## CHECK

## ENGINE CHECK REPORT

Engine Serial .....

OPERATION PERFORMED	Date Checked	Date Checked	Date Checked	Date Checked	Date Checked
Total Engine Time	07-16-75	Oil Changed	Tach Time 402	- 11/10/75	MD Romblin
Fuel Systems, lines gascolator and carburetor	9-7-75	oil changed	Tach Time 433		
Lubrication system, oil tank, lines, strainers and pump	11-4-75	oil changed	Tach Time 465		
Cooling system, cowling, baffles, lines and fittings	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS OF INSPECTION ON FILE UNDER W.O. NO. 487 DATE 10 JUL 76				
Valves, push rods and rocker arms	TOTAL TIME (OR TACH. READING) 489.1 HRS.				
Ignition, wires, plugs, points and shielding	SIGNED: Russell A Wright				
Engine manifold and motor mount, bolts and nuts	TITLE OR NO. A-1 34726 7037				
Propeller Condition & Alignment					
Oil changed answer Yes or No	Compression check was #1 67/80 #2 68/80 #3 55/80 #4 50/80				
Certified by	All 4 cylinder rings replaced				
E License No.	Valves check for leakage				
Address	Eng operated and check OK				

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	Engine has aeroshell straight				
Fuel Systems, lines gascolator and carburetor	Mineral oil installed. (SEA 50)				
Lubrication system, oil tank, lines, strainers and pump	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS OF INSPECTION ON FILE UNDER W.O. NO. 487 DATE July 10, 76				
Cooling system, cowling, baffles, lines and fittings	TOTAL TIME (OR TACH. READING) 489.1 HRS.				
Valves, push rods and rocker arms	SIGNED: Robert J Ford				
Ignition, wires, plugs, points and shielding	TITLE OR NO. A-1 486 591 A-1				
Engine manifold and motor mount, bolts and nuts					
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		R. P. M.		Ground Time		Air Time		Total Time	
				Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
Year ...	Mo. Day	Ground	Air						
2-20-74		TACH TIME = 239		CLEANED & GAPPED PLUGS		REPLACED ONE PLUG. CHECK IGNITION HARNESS FOR BREAK DOWN. REPLACED QARA. HEAT HOSE.		Bryan Williams A3P 2225981	
7-2-74		Tach time 277.0		SMOH 871.0, total time 2707.0		Engine cleaned, mag timing checked, Throttle arm softened per AD 72-65.		I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Edmond Baker IA 1259512	
75-A-22		Tach time 326.70		oil changed by					
		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
5-25-75 Tach Time 354.72 oil changed by	
6-9-75 TACH 369 replaced points, disced rotor replaced coils w/ Bendix coil # 10-357164 CIW O.P. 73-7-4	W. F. Smith A+P 45470636 Loft May
6-9-75 Tach 369 cleaned spark plugs	W. F. Smith
DATE: 7-1-75	checked mag timing
TACH. TIME: 371	overhauled starter
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. CALVIN C. JONES IA 1489899	
Replaced all plugs	checked mag in case
Replaced Resistor & caps in #1 cyl	

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.	Min.
77		18								
changed oil, cleaned screen, checked muffler found defective and replaced with new muffler, replaced all exhaust gaskets, cleaned and gapped all spark plugs, replaced spark plug washers, checked compression #1-64, #2-73, #3-73, #4-65. Oil changed was with Quashell 80W; checked timing of magnetos OK.										
NORTH TEXAS AERO MAINTENANCE ROUTE 1 WAXAHACHIE, TEXAS I CERTIFY THAT THIS <u>2-18-77</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>AN. Manual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE <u>2-18-77</u> TACH TIME <u>2422</u> <u>Gregory S. Kelly, A&amp;P 1829690 FA</u>										
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
3-18-73 Tach 123, checked compression, changed oil, cleaned screen, cleaned air maze, repaired baffles right side of exhaust, repaired spark plug lead.	Kelly A&P 1829690
6-15-73 Tach Time 137.3 Complied with AD 72-21-3 by installing Piper Kit 754-43	Alton Notching AP 2070281
11/16/73 <del>REPLACED</del> REPLACED ALL PUSHROD TUB SEALS, ALSO REPLACED TACH TIME 214, FORWARD EXHAUST STACK ASSEMBLY, USED NEW EXHAUST GASKETS, REPAIRED PRIMER LINE ON LEFT BANK. RUN-UP OK.	Brian Williams A&P 2225981

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## ENGINE LOG

REMARKS

SIGNATURE

Aug 5, 1971 CONT.

PIECES WITH RUST PREVENTATIVE OIL; OILED FELT ON BREAKER ASSY. CHECKED PRELOAD & END PLAY ON ROTOR SHAFT; GREASED ALL GEARS; SET GAP ON POINTS .018" I .006; APPLIED WHITE PAINT ON TIMING GEAR ASSEMBLED MAGNETO - TIMED TO ENGINE TO FIRE @ 25° BTC - COMPRESSION STROKE.

CHECKED TIMING OF W/H MAGNETO; CLEANED LEADS ON W/H HARNESS. GROUND RUN ENGINE - BOTH MAGS. CHECKED GOOD @ 1200; 1800; 2100 R.P.M.

ALSO CHECKED RIGGING & SECURITY OF THROTTLE-MIXTURE & CARB. HEAT CONTROLS. TIGHTENED LOOSE SCREWS (VALVE COVERS) CHECKED ENGINE WIRING - MOUNTS & HOSES; CHECKED FOR FUEL AND OIL LEAKS.

Jack Redford  
A & P 1543780

## ENGINE LOG

REMARKS

SIGNATURE

AUG. 5, 1971      ENG. TACH TIME

CLEANED ALL SPARK PLUGS, CHECKED GAP. CHECKED R/H MAGNETO WIRE HARNESS (NO SHORTS) CLEANED RUBBER GROMMETS; CLEANED HIGH TENSION TERMINALS; TIGHTEN PIERCING SCREWS; CLEANED CIGARETTE LEADS (BOTH HARNESS & EACH.) REMOVED R/H MAGNETO INSTALLED NEW HI OUT PUT COIL PART NO. 10-357164 (34.00); NEW CAPACITOR P/N 10-51676; NEW BREAKER POINTS ASSY- P/N 10-382585; NEW OIL SEAL & GASKET. CLEANED INSPECTED BEARINGS & RACES FOUND GOOD-REPACKED IN SCINTILLA GREASE; CLEANED & POLISHED DIELECTRIC SURFACES ON DISTRIBUTOR BLOCK & GEAR; OILED FELT WASHER & BRONZE BEARING; CLEANED VENTILATOR- DRAIN HOLES; REMOVED & CLEANED CARBON BRUSH & SPRING CLEANED & COATED HOUSING POLE SHOES & MAGNET POLE

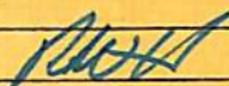
NOTICE:—Making false entries in this book is a violation of the Civil Aeronautics Act of 1938, punishable by Civil Penalty.

## ENGINE LOG

REMARKS

SIGNATURE

Changed oil 7 QT. 50W-AS Ash Dispersant  
Tach time: 2338.9 July 17, 1971.









Engine Serial .....

NC .....

ENGINE LOG

Date		R. P. M.		Ground Time		Air Time		Total Time		
Year	Mo.	Day	Ground	Air	Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
68		1	15						2192	86
TOTAL TIME										

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

REMARKS

1-16-68  
 Remained Card, Washed engine removed plugs, cleaned & gaped Checked Compression #1-112 #2-107 #3-98 #4-110  
 Cleaned screens, checked all accessories, int & stacks Checked all AD notes through Card 67-32. AD note on ~~tail~~ tail frame wires 60-1-4 Checked & found airworthy Aircraft & engine determined to be airworthy & returned to service.  
 W. J. Simpson  
 A-P 722219

SIGNATURE

Date 1-15-68  
 "I certify that this Engine has been inspected in accordance with applicable inspection and was determined in airworthy condition."  
 Total Time 2192 86  
 See form A-P 722219 in aircraft file for work performed.

## ENGINE LOG

REMARKS

SIGNATURE

12-27-66 TACH 2023

12-27,66  
I certify that this aircraft has  
been inspected in accordance  
with ~~PERIODIC~~ inspection,  
and was determined to be in  
airworthy condition.

W.H. McDaniel  
AIP 356404

Date	R. P. M.		Ground Time		Air Time		Total Time	
			Hrs.	Min.	Hrs.	Min.	Hrs.	Min.
Year Mo. Day	Ground	Air						
7/28 65								
Jack Reagin this date 2060.23 Complied with AFD note 64-27-2 on carburetor by installing rubber float # A 233-615 float valve and A-15-A21 screws. Stamped carb as directed. Operational & flight check OK. Wm B. Trook A & P 634333 AI								
Oct 22 - 1965								2077
Dec 6 - 1965								2089
Oil chg + screen cleaned Case F80 Installed AFE 1139604 H. W. Tolman								
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
2100 2123 80	
New Crank shaft oil seal New Battery plugs mag. Check ok. Starter & Generator ok certify that this engine has been inspected in accord with periodic inspection and was found to be in full working condition I A. 1139604 H. W. Tolman	

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

9-17-60. 100 hr inspection, oil changed  
 All routine maintenance performed -  
 Compression check as follows: #1-115, #2-100  
 #3-105, #4-120. Cyl. operational check as  
 follows - c/dle R.P.M. 550 oil pressure 60 PSI  
 Starter R.P.M. mag drag R. 50 L. 90  
 100; carb heat less vacuum 17.37 Install Jet EM414  
 Spark Plugs -  
 J. Stoney #HP-82631-41

## ENGINE LOG

REMARKS

SIGNATURE

12-3-59

TAC. TIME 1568:79

OIL CHANGED + SCREEN CHECKED  
THIS DATE.

C. L. Crabb

A+P 677508

7-29-60

Removed Left Mag Installed new oil seal  
New Points & Condenser Reinstalled &  
Retimed <sup>(C/L)</sup> ~~Mag~~Luther L. Barron Jr  
A+P 125640

## ENGINE LOG

REMARKS

SIGNATURE

Aug 25-59 — 100 hr inspection at tech time 1455, 21 hrs.  
Changed oil, Cleaned screens, Checked exhaust system  
Checked mag. Cleaned and gapped plugs. Lewis M Lynn  
AEE1080853

Oct-16-1959 tech time 1528  
Change oil & clean screens this date.  
C. Charles A. Rodgers  
P1403279

## ENGINE LOG

REMARKS

SIGNATURE

11/10/58. I certify that this engine has been  
insp. in accordance with the periodic inspe.  
and was determined as working. All A.D. notes  
show 58-22 complied with. Recording table  
reads 1379.36 hrs. New Curt. pulley reinstalled.

Walter With  
A&E 510819



## ENGINE LOG

REMARKS

SIGNATURE

2/2/57. Engine given major overhaul, all steel internal parts magnafluxed. New pistons standard. New rings, new crankshaft & new valve lifter & new rock valves. New main and rod bearings, all new gaskets. Cly. honed. valve & seats replaced. Magn. starter & gen. & carb. all disassembled and cleaned. New points installed in both magn. starter commutator cleaned & undercut. New bushings. Engine run in. New slug tube mount rubber forest installed. Serenich prop model 76 AM-2-57 removed & new Serenich prop model 76 DM-57 installed.

Walter J. Witt

A 7E 1510819

2/2/57

Recording tape read 1000. hr. Walter J. Witt

A 7E 1510819

## ENGINE LOG

REMARKS

SIGNATURE

9.5/56 Periodic inspection this date. Recording book shows  
9.50 hrs 4 new plugs installed, Muffler removed & inspected.  
All notes P.D.S. thru 56-18 complied with: I certify that this  
engine has been inspected according to a periodic inspection and  
found satisfactory. Lloyd W. Carr A & E 510115

## ENGINE LOG

REMARKS

SIGNATURE

2/29/55. Periodic insp. prior to recertification.  
 Magn checked new points installed in right mag.  
 Sphul plugs checked & cleaned, reaped. oil & fuel  
 screens cleaned. Air filter serviced. New rubber box  
 cover gaskets installed. Coupling repaired. eck & muff.  
 Checked Recording tape read. 724. M. All notes  
 in C.A.R. thru 55-17 complied with. It is certified  
 that this engine has been insp as required  
 by C.A.R. & found air worthy. Engine recashed.

Walter J. Witt

A 98 510819.

5/22/56 New Dist block in R.H. Mag. New wires installed on  
 cyl 1 & 3 upper & New plugs in 2 & 4 lower. Magn returned  
 Lloyd W. base at E 510115

## ENGINE LOG

REMARKS

SIGNATURE

9/25/54 Periodic insp prior to certification. maps  
 checked & timed, spark plugs cleaned & regreased.  
 oil & fuel screens changed. muffler shown & repaired.  
 Service bell on transferring timing marks to front  
 of starter ring gear complied with R. bonding table  
 reads 57952 hrs. Engine washed. All A.D.S.  
 notes show 54-19 complied with. It is certified  
 that this engine has been thoroughly insp  
 as required by C.A.R. and has been found to be  
 airworthy.

Walter J. Witt  
 A & E 510819

## ENGINE LOG

REMARKS

SIGNATURE

4/1/54 Periodic check prior to recertification. Right Mag & Radio-Alta replaced. Plugs cleaned, all out & fuel screens cleaned. Oil changed. Engine washed. All notes in A.P.S. thru 54-7 complied with. It is certified that this engine has been inspected as required by C.A.R. and found airworthy. Lloyd W. Carr A.E. 510115

7/3/54 100 hr inspection. Plugs & mags checked. Primer line repaired. All notes in A.P.S. thru 54-13 complied with. Recording tach shows 338 this date. It is certified this engine has been inspected as required by C.A.R. and found airworthy. Lloyd W. Carr A.E. 510115

## ENGINE LOG

REMARKS

SIGNATURE

8/28/53 Periodic check - Plugs cleaned, mag checked  
 All fuel and oil screens cleaned, all notes in A.D.S. thru 53-17  
 complied with Recording tach shows 131 hrs this date.  
 Engine Certified Airworthy Lloyd W. Barr AFE 578115

11/16/54 Periodic check. Prior to recertification. Plugs  
 & Mags checked. Primer line repaired to comply with  
 Air Force Bulletin. All fuel and oil screens cleaned.  
 Oil changed, all notes in A.D.S. thru 53-26 complied  
 with Engine Certified Airworthy. Lloyd W. Barr  
 AFE 570115

## 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 1213C.....  
License No.

MANUFACTURER { Name .. Lycoming Div Avco Mfg. Corp......  
 { Address .. Williamsport, Penna......

Model 0-290-DTC #229 H. P. 135..... Serial No. 4958-21.....

Stroke .. 3 7/8.....

Bore .. 4 7/8.....

Manifold Pressure { Normal .....  
 { Maximum .....  
 R.P.M. { Normal .....  
 { Maximum .. 2600.....

B.H.P. { Normal .....  
 { Maximum .. 135.....

Gear Reduction Ratio ..... Rotation of Propeller Clockwise

Certified Correct ..... Date .....

OWNER..... { Name .....  
 { Address .....