

N22JL

1972 Piper Seneca
PA-34-200

Left Engine Logbook (2003-Current)



MSN: 34-7250198

Prepared by the worldwide aviation specialists at RidgeAir, Inc.



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 22JL

Engine Manufacturer _____

Model _____

Serial No. _____

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

☐ Front

☐ Rear



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ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONSTT _____ TSMOH 2.1 (test run)Model IO-360-C1E6 S/N RL-8412-51A

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with manufactures specifications and current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repairs are on file at this repair station under,

Work order no. 18091Date Jan. 14, 2003 Signed Mark Lutting for**FAA CERTIFIED REPAIR STATION # DC2R763K.**

CUSTOM AIRMOTIVE, INC.
2702 N. SHERIDAN, BLDG. B
TULSA, OK 74115
PH. (918)836-6836 FAX (918)836-9431

Crankshaft serial no.
90023 - 05-0455216503

Fuel system and magnetos were also overhauled (see tags). Ignition harness, spark plugs, fuel pump and oil filter are new. This engine was equipped with NICKEL-CARBIDE PLATED BORES cylinders during this overhaul.

AIRWORTHINESS DIRECTIVES FOR: TYPE CERTIFICATE NUMBER 1E10MODEL IO-360-C1E6 S/N RL-8412-51A WO# 18091 TT _____

A.D.# METHOD OF COMPLIANCE

66-20-04 C/W; USED CORRECT GASKET.

71-05-02R4 P/C/W; HAS LARGE/STRAIGHT MAIN BRG. DOWELS.

71-11-02 C/W; HAS P/N 78290 HYD. UNITS.

73-23-01 N/A TO THESE NEW SL-13444-1 PINS.

75-08-09 P/C/W; ALSO SEE 96-09-10.

75-09-15 FUEL SYSTEM O-H'ED @ CRS# HK2R875K.

78-23-10 FUEL SYSTEM O-H'ED @ CRS# HK2R875K.

79-04-05 FUEL SYSTEM O-H'ED @ CRS# HK2R875K.

90-04-06R1 N/A PER MODEL OR S/N.

91-08-07 N/A PER MODEL OR S/N.

91-14-22 C/W LYCOMING S.B.475B AT THIS O-H.

92-12-05 N/A TO THESE NEW SL-13444-1 PINS.

93-02-05 C/W; LINES INSPECTED AND CLAMPED PROPERLY.

95-07-01 N/A TO THESE NEW SL-75060 ROD BOLTS.

95-26-02 N/A TO THIS ENGINE.

96-09-10 C/W; USED AL-18109 & 18110 GEARS (05K19423-S EQUIV.).

96-23-03 N/A; HAS ACCEPTABLE CODE ON PUMP.

97-15-11 N/A TO THESE NEW SL-13444-1 PINS.

98-02-08 N/A PER MODEL OR CONSTANT SPEED PROP APPLICATION.

98-17-11 N/A; CRANKSHAFT WAS NOT SENT TO NELSON.

98-18-12 N/A PER MODEL OR S/N.

SIGNED Mark Lutting FOR CRS# DC2R763K ON Jan. 14, 2003

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
2-13-03	235.5	0		Installed Engine in N225L With New LORD MOUNTS AND hardware. Replaced All Engine Fluid hoses. Cleaned AND PAINTED Engine. Baffle. Replaced SCAT hose AS needed. Removal Flushed oil cooler AND Installed. Rigged Engine Controls. AND Installed Propeller. Serviced Engine With Reedshell 100 oil Ground RAN AND NO leaks found. Christopher Dargy ADP452397972
3-28-03	275.5			Changed oil AND Filter, Checked Screen Refilled With Reedshell 100 oil. Ground RAN AND NO leaks found. Christopher Dargy ADP452397972
6-3-03	321.0			Changed oil AND Filter, Refilled With Reedshell 15W50. Ground RAN AND NO leaks found. Christopher Dargy ADP452397972
9-1-03	345.5	110.0		Cleaned AND gapped Spark Plugs. Cleaned Fuel Inj. NOZZLES Reformed A Compression TEST AS Follows 78, 79, 77, 78. Lubricated Eng Controls Complied with DD 02-26-D1. I Certify That This Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY Condition. Christopher Dargy ADP452397972

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10-20-03	377.7			Changed oil And Filter, ReFilled with Aeroshell 15W-50, GROUND RAN AND NO LEAKS FOUND. Christopher Savage A&P 452397972
2-7-04	441.5			Changed oil AND Filter, ReFilled with Aeroshell 15W-50, Cleaned gapped AND ROTATED SPARK PLUGS GROUND RAN AND NO LEAKS FOUND. Christopher Savage A&P 452397972
4/27/04	Tach 502.6	SMOH 267.1		Changed oil & Filter. Serviced with Aeroshell 15W-50 and a CH48110-1 filter. A&P 460982668
IO-360-C1E6 (left) RL-8412-51A Compression 80/ 1) 78 2) 77 3) 78 4) 78. Changed oil and filter, serviced with Aeroshell 15W-50 and a CH48110-1 filter. AD 02-26-01 Fuel Injection Lines CW by inspection IAW SB 342D. No fault found. Next inspection due at next scheduled inspection or fuel system maintenance. Air Center East Texas Rusk Texas				N22JL 12/06/2004 SMOH 342.2 TACH 577.7 TT 2760.9 Richard Blundell A&P 460982668
IO-360-C1E6 (left) RL-8412-51A I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Air Center East Texas Rusk Texas				N22JL 12/06/2004 SMOH 342.2 TACH 577.7 TT 2760.9 Richard Blundell A&P 460982668
4-10-05	TACH 638.4			Changed oil And Filter, ReFilled with Aeroshell 15W-50. INSTALLED NEW FUEL PUMP P/N AF15473. GROUND RAN AND NO LEAKS FOUND. Christopher Savage A&P 452397972
SUB-TOTALS this page				TOTALS—Carry forward to next page

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3-6-06 Tach Time: 736.7 Total time Lt. engine: 2919.9 TSMOH: 501.2
 Inspected engine in accordance with applicable sections of FAR 43 appendix D. Changed oil and filter. Serviced 10qts. Aeroshell 100w50. Compressions: #1 75/80 #2 71/80 #3 75/80 #4 70/80. Replaced Rt. magneto gasket and retimed magneto. C/W AD 2002-26-01 fuel injection lines, by inspection. Clean, gapped, tested spark plugs. Cleaned fuel screens. Cleaned air filter element. I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. David Bogan IA 455216543 *David Bogan*

4/26/06 TACH 751.2 ^{total 2940.2} Remove Lt mag + inspected for uneven mag drop. C/W AD 2005-12-06 by inspection of impulse coupling.
 David Bogan A&P 455216543

9-6-06 L/H Tach time: 770.5 Total time L/h engine: 2953.7
 Changed oil and filter--serviced 8 qts Aeroshell 100W.
 David Bogan A&P 455216543. *David Bogan*

3-1-07 Tach 804.6 Lt engine
 Changed oil and filter. Serviced 8 qts Aeroshell 15w50.
David Bogan A&P 455216543

7-10-07 L/H engine Tach time: 826.4 Total time: 3009.6
 Inspected engine in accordance with applicable sections of FAR 43 appendix D. Changed oil filter. Compression ck: #1 72/80 #2 70/80 #3 71/80 #4 72/80. Pressure lubed throttle, mixture, and propeller control cables. Repaired CHT--install new probe. Install new air filter element. Repair exhaust leaks rt. side. Repair oil cooler air shroud. Reposition outbd exhaust to clear cowl. Clean, gapped, tested spark plugs. Cleaned fuel screens. I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. David Bogan IA 455216543 *David Bogan*

7-10-07 Tach time: 826.4 TSMOH LH Propeller 89.7
 I certify this propeller has been inspected in accordance with an annual inspection and was found to be in airworthy condition. David Bogan IA 455216543 *David Bogan*

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11308		632.2	867.7	REMOVED IO 360 C1E6 SN RL 8412-51A AND SENT TO CUSTOM FOR REPAIR A A2P 2260537

TT _____ TSMOH 632.2

March 14, 2008

IO-360-C1E6

S/N RL-8412-51A

WO#20896

This engine was dissassembled only enough to facilitate an inspection following a cylinder bore failure and cracked crankcase.

Applicable parts were cleaned, inspected, repaired and/or replaced as necessary to ascertain airworthiness.

Notes:

A.D.#2004-10-14 C/W S.B.475C gear mod., insp. & retention.

2006-20-09 N/A to this shaft per s/n.

2008-06-51 N/A; servo o-h'ed before affected dates.

Note: #3 cylinder replaced w/serviceable-other cylinders inspected, honed & re-seated valves.

Engine was reassembled I/A/W Lyc. overhaul manual 60294-7-11, test ran on a stand and found ready for return to service. Pertinent details are on file at this repair station under work order no. 20896; parts replaced are listed on attached work order.

Mark D. Lickteig
Mark D. Lickteig

for CRS #DC2R763K

Custom Airframe, Inc.
FAA REPAIR STATION #DC2R763K
AIRCRAFT ENGINE SERVICE
2702 N. SHERIDAN, BLDG. B
TULSA, OK 74115
(918) 836-6836
FAX (918) 836-9431

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4 9 08		632.2	867.7	INSTALLED THIS ENG. AFTER REPAIR BY CUSTOM AIRMOTIVE. INSTALLED NEW ALTERNATOR BELT AND MISSING EXH CLAMP. ENG. SERVICED WITH W100 AND GROUND RUN - NO DEFECTS Q A ACP 2260537
8 1 08		656.5	892	① INSPECTED PER PIPER/LUC INSPECTIN REQUIREMENTS ② COMP 1 2 3 4 74 73 76 74 / BOPSE ③ REPAIRED BAFLOS AND REPIACED SEALS AS REQUIRED ④ CHANGED 6 SPARK PLUGS ⑤ AD 02-2601 FINE LINES CW AD 07-04-19 R; Sup Cyl NA AD 08-13-28 PROP PCW CERTIFY THIS ENG/PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION Q A ACP 2260537
10 10 08			919.3	oil & filter change (CH4B110 W100) ground run OK Q A ACP 2260537
2-10-69			955	oil & filter change - Q A ACP 2260537
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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9-20-09		761.6 260.3	997 PTSOH	(1) oil & filter change ADOB-KA-OS ECI NA (2) REPLACED Air Filter AD OB-14-07 Fuel CW (3) CW AO OS-12-XG Mg impulse (4) comp #1 2 3 4 79 78 79 76 / 30 PSI (5) Replaced SCATT TUBING AS REQUIRED. Certify this Eng/ ^{PUP} MAS BEEN INSPECTED in accordance with a 100HR inspection AND WAS DETERMINED TO BE in an AIRWORTHY condition.
2-3-10		1067.2		(1) OIL & FILTER CHANGE W-100 TANK CHECK OK (2) MAP 2260537
AIRFRAME LOG N22JL September 18, 2010 TACH: 1848.6 (Hobbs) → Tach = 134° Savannah Aviation WO: 2735 Removed and replaced left micro-switch on flap handle p/n S1906-1. Operational check good. Glen A Lawson A&P 3533137 IA				
3-1-12				
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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Nov 21 10		919	1154.5	① INSPECTED TER PIPER / LYC INSPECTION REQUIREMENTS
		417.8	PTSON	② oil filter CHANGE - cut OPEN filter - OK (15450)
				③ COMP 1 2 3 4
				76 77 78 75
				④ CLEANED INJECTORS
				⑤ REPLACED AIR filter
				⑥ AD 08-14-07 FUEL LINES CW
				AD 09-26-12 ELI NA
				AD 07-26-09 PROP PCW
				AD 08-13-28 HUB PCW
				AD 09-22-03 HUB PCW (NEW STYLE HUB)
5-12-11				I CERTIFY this ENG / PROP HAS BEEN INSPECTED
191.2 L Eng JAC H				IN ACCORDANCE with a 100hr inspection AND
old oil filter change				WAS DETERMINED TO BE in an airworthy condition
① A REP 2260537				① A REP 2260537
3-1-12		1022.5	125BT	
				① old filter CHANGE - cut OPEN filter - OK
				② COMP 1 2 3 4
				75 76 75 75 psi / 80
				③ REPAIRED oil cooler & N duct
				④ REPLACED 1 Air Box screw
				⑤ TIMED LH M _g
				⑥ AD 11-15-10 SERVO NA
				AD 08-14-07 Fuel lines CW
				I CERTIFY this ENG / PROP HAS BEEN INSPECTED
				IN ACCORDANCE with a 100hr inspection AND
				WAS DETERMINED TO BE in an airworthy condition
				① A REP 2260537
				SUB-TOTALS this page
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2-8-13			1321	oil & filter change cutopen filter - OK - covered run - OK
5-23-13	1153.9		1389.4	AAEP 2260537
	652.7	PTSON		① comp 1/77 2/78 3/78 4/77 / 80 PSI
				② old filter changed - filter - nominal
				③ timed back mgs
				④ repaired battos as required and secured all cables.
				AA 08-14-07 fuel lines CW
Quantity this engine/prop has been inspected in accordance with a 100hr inspection and was determined to be in an airworthy condition				
				AAEP 2260537
2-11-14			1469 ET	oil & filter change cutopen filter - OK
				AAEP 2260537
June 19 14			1483.4 ET	① REPLACED Air filter Exhaust clamp on 557-762 SPARK PLUGS CW 65-12-06 Mg impulse CW 11-26-04 fuel lines comp 1 15 2 76 3 78 4 77 / 80 PSI
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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			1483.4	REPAIRING BATFLS AS REQUIRED
				1000 ENG controls
				R&A PROP FOR OVERHAUL
				I CERTIFY THIS ENG/PROP HAS BEEN
				INSPECTED IN ACCORDANCE WITH AN
				ANNUAL INSPECTION AND WAS DETERMINED
				TO BE IN AN AIRWORTHY condition
				PA A&P 2260537
Aug 24				oil & filter change
1515.8				Ground run OK
				PA A&P 2260537

7-2-15 N22JL Tach: 1575.6 Left engine total time: 1340.1

Inspected engine in accordance with applicable sections of FAR 43 appendix D. Compression: #1 75/80 #2 77/80 #3 78/80 #4 74/80. Changed oil and filter. Serviced Aeroshell w 100. Cleaned, gapped, tested spark plugs. Installed new air filter element. Tightened and saftied alternator belt. Cleaned fuel screens. Inspected fuel lines per AD 11-26-04. I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. David Bogan IA 455216543 *David Bogan*

10-17-16 N22JL Lt eng. IO360C1E6 ser. RL-8412-51A tach: 1671.1 total: 1435.6

Inspected engine in accordance with applicable sections of FAR 43 appendix D. Compressions: #1 68/80 #2 72/80 #3 74/80 #4 60/80. Changed oil and filter. Serviced Aeroshell w 100. Adjusted idle mixture. Torqued muffler mount clamp. Clean, gapped, tested spark plugs. I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. David Bogan IA 455216543 *David Bogan*

10-26-17 N22JL left engine: IO-360 C1E6 ser. RL-841-51A. tach: 1725.4 total: 1489.9

Inspected engine in accordance with applicable sections of FAR 43 appendix D. Changed oil and filter. Serviced with Aeroshell w 100. Cleaned, gapped, tested plugs. Cleaned fuel screen. Installed new air filter element. I certify this engine has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition. David Bogan A&P 455216543 *David Bogan*

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2/1/18	1798.8			changed oil & filter serviced Aeroshell 15W50 David Bogan A&P 455216543
5-2-19 N22JL tach: 1827.1 Left engine total: 1591.6 SMOH Inspected engine in accordance with applicable sections of FAR 43 appendix D. Changed oil and filter. Serviced Aeroshell w100. Compressions: #1 72/80 #2 70/80 #3 69/80 #4 69/80. Installed new brushes in alternator. Resealed induction tubes and flange gaskets. Cleaned and lubed prop governor outside shaft spring. Cleaned, gapped, tested plugs. Cleaned fuel screen. I certify this engine has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition. David Bogan A&P 455216543 <i>David Bogan</i>				
 JOHNSON AVIATION 353 Airport Dr. Tyler, Texas 75704 Date: 10/25/2019 HM: 2649.4 Left Engine N22JL 1) Change oil and filter. Serviced with Aeroshell 15W50 and a CH48/10-1 filter <i>Rex Johnson</i> A&P31293141A				
8-1-20 N22JL Left engine IO360C1E6 ser. RL-8412-51A Tach 1942.4 Total: 1706.9 Inspected engine in accordance with applicable sections of FAR 43 appendix D. Compressions: #1 75/80 #2 74/80 #3 72/80 #4 71/80. Changed oil and filter. Serviced Aeroshell 15W50 and Camgaud. Installed new air filter element. Installed new spark plugs. I certify this engine has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition. David Bogan A&P 455216543 <i>David Bogan</i>				
10-7-21 N22JL Lh Tach: 2043.1 Left engine total: 1808.0 Inspected in accordance with applicable sections of FAR 43 appendix D. Compressions: #1 76/80 #2 78/80 #3 73/80 #4 77/80. Changed oil and filter. Serviced Aeroshell 15W50. Installed new spark plugs. Installed new air filter element. Torqued rocker cover screws. Cleaned rust and painted one induction tube. I certify this engine has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition. David Bogan A&P 455216543 <i>David Bogan</i>				
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