



# ENGINE MAINTENANCE RECORDS

*Custom Airmotive, Inc.*

FAA REPAIR STATION #DC2R763K

AIRCRAFT ENGINE SERVICE

2702 N. SHERIDAN, BLDG. B

TULSA, OKLA. 74115

(918) 836-6836

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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
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07/22/2018  
Right Tach 1510.39  
Lycoming 0-540-A1D5

ENGINE LOG  
N113JB

Engine Total Time 2868.83  
SMOH 416.0  
Serial number L-2989-40

Installed engines on aircraft. Removed Generators and installed new Plane power Alternator kit part number SA10682SC. Replaced Starter with Sky Tech 07-00762. See 337's for details. Aircraft was weighed see aircraft logs for details. Oil was drained and refilled, filter inspected for contamination, Compressions #1 76/80 #2 74/80 #3 78/80 #4 76/80 #5 70/80 #6 70/80. Engine ran up and checked for leaks none found.

I certify this ENGINE has been inspected in accordance with an annual inspection is determined to be in AIRWORTHY condition  
IA2819514  
Randall Walton

8-3-19  
RIGHT TACH 1514.69  
LYCOMING 0-540-A1D5  
ENGINE TOTAL TIME 2873.13  
SMOH 420.3  
SERIAL NUMBER L-2989-40

OIL DRAINED AND REFILLED, FILTER INSPECTED FOR CONTAMINATION, NONE FOUND. COMPRESSIONS: #1 75/80 #2 75/80 #3 76/80 #4 74/80 #5 68/80 #6 74/80. AD LIST REVIEWED. AA48109 OIL FILTERS INSTALLED, SPARK PLUGS CLEANED, MAGS TIMED. PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH PAPER AZTEC SERVICE MANUAL. I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION.  
IA2819514  
Randall Walton

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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
10-24-2020				TOTALS brought forward from previous page ENGINE TOTAL TIME 2881.37 SMOH 428.49 OIL DRAINED AND REFILLED, FILTER INSPECTED NO CONTAMINATION FOUND. Compressions #1 76/80 #2 70/80 #3 74/80 #4 76/80 #5 70/80 #6 70/80 AD LIST REVIEWED, PERFORMED AN ANNUAL INSPECTION IN ACCORDANCE WITH PAPER AZTEC SERVICE MANUAL. I CERTIFY THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION Randall Walton IA 2819514

10/09/2021  
Right Tach 1534.31  
LYCOMING 0-540-A1D5

Right ENGINE LOG  
N113JB

Engine Total Time 2892.75  
SMOH 439.92  
Serial Number L-2989-40

Performed an ANNUAL Inspection in accordance with Piper manual Compressions #1 78/80 #2 74/80 #3 76/80 #4 78/80 #5 68/80 #6 79/80 filter inspected for contamination. Engine ran up and checked for leaks none found.

I certify this ENGINE has been inspected in accordance with an annual inspection is determined to be in AIRWORTHY condition  
IA2819514

Randall Walton

RIGHT 09-29-2022	ENGINE TT 2900.73	SMOH 436.47
RIGHT TACH 1542.29	PERFORMED AN ANNUAL INSPECTION IN ACCORDANCE WITH PAPER MANUAL. COMPRESSIONS: #1 78/80 #2 76/80 #3 78/80 #4 79/80 #5 70/80 #6 79/80 OIL DRAINED AND REFILLED WITH 12 QTS PHILLIPS KC 20W50. OIL FILTER INSPECTED FOR CONTAMINATION. CH48109 OIL FILTER INSTALLED AD LIST REVIEWED ENGINE RAN-UP FOR LEAKS NONE FOUND I CERTIFY THIS ENGINE INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION Randall Walton IA 2819514	SUB-TOTALS this page TOTALS—Carry forward to next page



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				<b>TOTALS</b> brought forward from previous page
				Date: 06-04-99 TT: 2612.0 TAC 2612.0 R/678.4 Removed and replaced left & right carb heat cables. Removed left & right engine exhaust. Exhausts repaired and replaced with new gaskets and nuts. Left & right propellers removed for AD 97-18-02. After AD was complied with, they were replaced with new O-rings and nuts. (AD complied with by Aircraft Propellers)
				<i>Brian C Walk</i> 1243-50-1428 AP
				Date 6-4-99 Total Time 2612.0 TAC 278.4 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				<i>Brian C Walk</i> 1243-50-1428 AP
				Date 6-1-00 Total Time 2652 TAC 718.4 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				<i>Brian C Walk</i> 1243-50-1428 AP
				Date: 6-1-00 TT: 2652 TAC: 718.4 Right Engine Replaced left front baffling P/N 16627-00. Replaced top right side shroud assy P/N 16565-03, top left side shroud assy P/N 16571-03, bottom P/N 16571-09. Repaired air box (welded cracks)
				<i>Brian C Walk</i> 1243-50-1428 AP
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				5/1/01 REMOVED & REPLACED EXHAUST PERS. 5/1/01 REMOVED OLD GASKET 1755Y 225.8 16559-000 AND REPLACED WITH NEW UNIT. TAC 278.4 1243-50-1428 AP
				Date 5/1/01 Total Time 2678.8 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				<i>Brian C Walk</i> 1243-50-1428 AP
				Piper Aztec PA23-250 Ser# 27-127 Reg# N4615P June 8, 2002 Tach R/E 0797.0 TT 2731.4 SMOH 278.4 S/N # 2989-4 Drained oil and cleaned screens. Filled with 10 quarts of Texaco 100, customer furnished oil. Run engines and checked for leaks; ops check good. Compression checks normal. Remove and replaced plugs. I certify this engine has been inspected in accordance with <u>annual inspection</u> procedures and is approved for return to service.
				DAVID R. HARMON IA2184898 <i>David R. Harmon</i>
				<b>SUB-TOTALS</b> this page <b>TOTALS</b> —Carry forward to next page

## ENGINE MAJOR OVERHAULED TO MANUFACTURERS SPECIFICATIONS.

TT \_\_\_\_\_ : TSMOH 1:1 (test run)  
Model: O-540-A1D5 S/N 1-2989-40

The aircraft engine identified above was repaired and inspected in accordance with manufacturers 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.: 13585

Date: Sept. 19, 1995 Signed: Mark D. Lichten

FOR FAA REPAIR STATION DC2R763K

Carburetor and magnetos were also overhauled (see appropriate yellow tags). Spark plugs, ignition harness, and fuel pump are new. This engine is equipped with chrome cylinder bores.

AIRWORTHINESS DIRECTIVES FOR: TYPE CERTIFICATE NUMBER E295  
MODEL O-540-A1D5 S/N 1-2989-40 WO# 13585 TOTAL TIME \_\_\_\_\_

A.D.#  
59-10-07 P/C/W.  
63-14-03 P/C/W; HAD REDESIGNED SHAFT.  
64-16-05 C/W BY USE OF A NEW P/N LW-15472 PUMP.  
66-14-03 N/A PER MODEL OR S/N.  
66-20-04 N/A; HAS ORIGINAL SCREEN TYPE FILTER.  
73-23-01 N/A TO THESE NEW AL-14077-1 PINS.  
75-08-09 P/C/W; ALSO SEE 81-18-04R2.  
81-18-04R2 C/W BY USE OF P/N 05K19423-S KIT.  
87-10-06R1 N/A PER S/N OR THESE ROCKER ARMS.  
91-14-22 C/W LYCOMING SB#475B AT THIS OVERHAUL.  
92-12-05 N/A TO THESE NEW AL-14077-1 PINS.  
93-11-11 N/A TO THIS NEW PUMP.  
94-14-13 N/A TO THIS ENGINE.  
95-07-01 N/A; USED 74644 ROD BOLTS.

SIGNED: Mark D. Lichten FOR: CRS# DC2R763K ON: Sept. 19, 95

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1/19/96	-	0	2453.4 PMT 519.	Installed this engine on N461SP this date. Replaced all engine load mounts with new. Operational check satisfactory. I certify this engine has been inspected in accordance with an annual inspection and is determined to be in airworthy condition.
				<i>Thomas R. Branty</i> A# 82230151TA
				Date <u>8/1/97</u> Total Time <u>2533</u> TAC 599 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>M. D. Lichten 17482157</i>
				Date <u>8/1/97</u> Total Time <u>2533</u> TAC 599 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Mark D. Lichten</i>
				Date <u>5-23-98</u> Total Time <u>2581.07</u> I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Mark D. Lichten</i>
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## ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. \_\_\_\_\_

Engine Manufacturer Lycoming

Model O-540-A105

Serial No. L-2989-40

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

Right       Left  
 Front       Rear



**Custom Airmotive, Inc.**  
FAA REPAIR STATION #DC2R763K  
2702 N. SHERIDAN PH. 918-836-6836  
Tulsa, Okla. 74115

### WARRANTY:

All engines rebuilt by Custom Airmotive after March 1, 1992, are guaranteed to be free from defects in material and workmanship, under normal use and service for six months or 240 hours; whichever occurs first. An additional prorated warranty will apply to parts only to manufacturers published T.B.O. Accessories will be guaranteed by the vendor. All parts and labor to be approved by Custom Airmotive prior to commencement of work. Cracked cylinders and crankcases excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims will not be allowed. Proration to be based on hours logged, or 40 hours per month; whichever is greater.

**AERO**  
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