

The Standard



ENGINE LOG



ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Lycoming MODEL IO-540-D4A5

SERIAL L2537-48 TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT PIPER COMANCHE PA24 260C

MINIMUM OCTANE FUEL 100 OIL GRADE SUMMER 50W WINTER 40W

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER 135246

SPARK PLUG GAP .016

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

The Standard



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[illegible][illegible]

ACTION		ACCOMULATED		TOTAL TIME		HOURS		10THS	
5	21	1836	00						
DATE 5-21-77		TACH 1836		I CERTIFY THIS		FOUR PLANT		HAS BEEN INSPECTED	
IN ACCORDANCE WITH		AD AIRCRAFT		INSPECTION		AND WAS FOUND TO BE		IN AN AIRWORTHY	
CONDITION		OIL TYPE 100 W SAE		ALTIMETER CERTIFICATION		TRANSPONDER		ELT SIGNED	
DAVID PRATT		A & P 1752579 IA		PRATT AVIATION		THREE RIVERS, MICH. 49093			
LICENSE NUMBER		SIGNATURE		REPAIRS --- ADJUSTMENTS					

DATE	RECORDING	TACH	TIME	TODAYS	FLIGHT	SERVICE	TIME IN	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
1978									ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-10	8060.00	0.5	5/01	2481.05					Reassembled Engine, cleaned + disassembled all parts, crank shaft, rods, + steel parts clean by magnetizing method, case clean by dry brush + ammonia, replace cam shaft, lift the rods, piston + piston pins, another new counterweights pins + bushings, another new main + rod bearings. Replace air pump gears + body, overhaul cylinder, reposition seats, another new guides + new exhaust valves, + intake valves. See clearance meet the requirements in type's table of limits SSP 2070-3 engine assembled in accordance with the publication 60 994-7-3 engine existing to be satisfactory. Ally S. Bennett A+P 1723260

DATE 19 <u>79</u>	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.)																		
8-10	2891.72		Time Since OHL 337.72	Replaced air filter EFC100 Replaced Replaced oil 12 qts 50W Aeroshell Cleaned + Regreased Spare Drums Replaced Starter, Inspected Exhaust System, Replaced Battery. Checked Compression.																		
I Certify This <u>Engine</u> has been inspected in accordance with a <u>100</u> inspection and was determined to be in an airworthy condition. <i>Wayne D. Jantzen</i> A/P 1723260 COMPRESSION CHECK <table border="1"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td><td>80</td></tr> <tr><td>78</td><td>77</td><td>78</td><td>76</td><td>77</td><td>78</td></tr> </table>					1	2	3	4	5	6	80	80	80	80	80	80	78	77	78	76	77	78
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11-31	2501.20		2922.70	Time Since OHL 441.20 Changed oil 12 qts 50W Aeroshell Replaced oil filter EFC100 Replaced oil Spare Drums Replaced Fuel Injection Service, and Flow Inspected, Replaced Starter, Inspected Exhaust System, Checked Compression.																		
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3-27	259848		3020.40	Changed oil 12 qts SAE 50w overhauled Replaced 2 FO100 air filter Cleaned + checked Spark plugs Checked fuel system, cleaned Injector nozzles. Check compression I Certify This <u>Engine</u> has been inspected in accordance with a <u>100</u> <u>NA</u> inspection and was determined to be in an airworthy condition. <u>Way A. Painter</u> AIP 1723260																								
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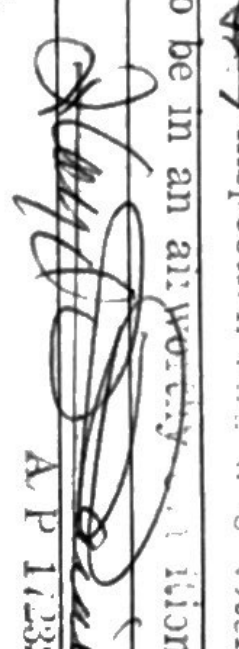
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6-28	269600		3117.50	Changed oil 12 qts SAE 50w overhauled Replaced air filter FO100 cleaned + Replaced Spark plugs, cleaned fuel Injector nozzles Check compression I Certify This <u>Engine</u> has been inspected in accordance with a <u>100</u> <u>NA</u> inspection and was determined to be in an airworthy condition. <u>Way A. Painter</u> AIP 1723260 1A																								
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8-4	2744	73	3168.77	Senec OHV 784.73 Replace air Spark Plug, Replace Fuel Injector Nozzle, Changed air Regulator air filter Regulated air filter, Replace muffler + welded Rt Stack clutches. Installed New Stack hardware, + gaskets, checked Compression.																								
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12-15	2863	93	3287.97	Senec OHV 803.97 Cleaned + checked Spark Plug, Cleaned fuel inj. Nozzle, changed oil, 12 qts 5W100 motor oil w/checked air filter 10100, checked compression (check max timing checked air filter + fuel strainer.																								
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I Certify This Engine has been inspected in accordance with a <u>100</u> hr inspection and was determined to be in an airworthy condition. <u>Wayne Smith</u> A/P 1723260																												

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6-4	2972.06		3396.10	Since Cohl 912.10 Changed oil 12 qts SO to AeroShell Repland oil filter CFE100. Check + cleaned air screen Plugs, removed & checked back mag. vent line, removed & bent up, and welded two screws.
781 6-18	June 2996.0			I Certify This <u>Engine</u> has been inspected in accordance with a <u>100</u> <u>hr</u> inspection and was determined to be in an airworthy condition. <u>Wayne D. Gault</u> A/P 1723260
				781 6-18 June 2996.0 781 6-18 June 2996.0 RSA5ADI SN 43302 fuel Injection Screws Wayne D. Gault 1723260 IN

DATE 1981	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.)																		
11-11	3156.83		3580.87	Since Cohl 1096.87 Changed oil 12 qts SO to AeroShell Repland oil filter checked fuel screen checked + cleaned air spark plugs removed & cleaned injector nozzles. removed exhaust system checked compression. and filled air filter.																		
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DATE 19 <u>82</u>	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.)																								
5-14	3244.32		3668.76	SMOH 1184.36 Changed oil, 12 qt 50cc Aeroshell Replaced FO100 air filter Clean Plug and spark gap, replaced high temp Probe @ electric + cleaned air filter Clean fuel strainer. Checked Exhaust Surge + muffler. Checked compression																								
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I Certify This <u>Engine</u> has been inspected in accordance with a <u>100</u> hrs inspection and was determined to be in an airworthy condition.  A.P. 1723230																												

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8-5	3320.56		3749.94	SMOH 1260.60 Changed oil 12 qts 50cc Aeroshell Replaced oil filter FO100 Replaced Plug and spark gap. Checked high filter, checked Exhaust system checked compression																								
I Certify This <u>Engine</u> has been inspected in accordance with a <u>100</u> hrs inspection and was determined to be in an airworthy condition.  A.P. 1723230																												
2-27-83 Tech Reading 3410.00 Installed HC EXK-1BE SN DA310. One by Atlantic Propeller Service Inc. Floyd S. Hamilton A-P 1723268																												
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1983	TACH TIME	FLIGHT	TIME IN SERVICE	ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

S-16 3435.18 3859.56 Smech 1375.28

Changed oil 12 qt 50 w anovoxe Reddland
CFE 100 Oil filter cleaned + gapped
Spark plugs cleaned Exhaust stack &
cleaned Airfilter.
Checked Coolant Pressure

I Certify This Engine has been
inspected in accordance with a 100
AA inspection and was determined
to be in an airworthy condition.

Thom D. Smith
A/P 1723230 7A

COMPRESSION CHECK					
1	2	3	4	5	6
80	80	80	80	80	80
70	68	72	76	73	70

DATE	RECORDING	TODAYS	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
1983	TACH TIME	FLIGHT	TIME IN SERVICE	ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

~~3435.18~~ 3531.00 Smech 1470.00

Changed oil 12 qt 50 w anovoxe Reddland
Air filter CTO 1000 Change fuel strainer
Fuel pressure & fuel injector
cleaned Spark plugs + fuel injector
Nozzle. Change oil pressure

I Certify This Engine has been
inspected in accordance with a 100
AA inspection and was determined
to be in an airworthy condition.

Thom D. Smith
A/P 1723230 7A

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5/31	3739			Installed new EGT Probe William B. Williams APR 30 1952
6/17	3747			Changed oil 10 qt Shellize XC II 20W 50. Replaced oil filter CFO-100. Added running hours
7/7	3761			add 1qt XC II 20W-50
7/30	3768.33			Removed Phillips XC II Jam engine replaced with Shell 150 50W 10qt replaced filter CFO-100 Added running hours
10/24	3791.88			add 1qt oil Shell 100 Added running hours
12/21	3807.39			add 1qt oil Shell 100 Added running hours
1/26/51	3818.9			Changed oil replaced with 10qt 15W 50 Mercoshell Added running hours Replaced CFO-100 Filter

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1-31-57				ACFT TACH Time & Eng TOTAL Time 3519.9 5 MOH 170.9
				1. installed new muffler.
				2. plugs cleaned & applied
				3. After Review of all ACFT & Eng logs.
				It was determined that ACFT TACH, ACFT TOTAL & Eng TOTAL Times are the same at this date.
				William B. Williams APR 20 1957 IA.

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87				
9/3	3915.62			Changed oil + filter. 10qt. Aeroshell 15W50. C50-100 filter. AAB Drummingham
10/5/	3930.61			add 1qt. Aeroshell 15W50 AAB Drummingham
11/14	3945.34			add 1qt Aeroshell 15W50 AAB Drummingham
12/14	3956.23			add 1qt Aeroshell 15W50 AAB Drummingham
11/188	3947.49			Changed oil + filter 18qt. Aeroshell 15W50 C50-100 filter. AAB Drummingham

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1 APR 88	3954			ACFT TACH Time 3954
				1. Compression check A9 follows. #1 78/80 #2 74/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80
				2. installed new plugs.
				3. installed new exhaust gaskets.
				4. mag. timing checked.
				5. prop checked.
				6. dry ground run of APTEN all WENT comp.
				7.
				Date 1 APR 88 ACFT Tach Time 3954
				Eng Total Time 3824 SMOH 336 SICH
				I certify that this ENY & AABP has
				been inspected LAW AAVHAI Inspection
				and was determined to be in airworthy condition.
				William D. Hunt
				AAP 2091512 LA

