

N86AB S/N: 25-3409 Make/Model: Piper PA-25-235
Date: April 9, 2010 Total Aircraft Time: 6707.2 SMOH 6.5
Tach Time: 000.1 PG 1 OF 2 Hobbs Time: na

Model: Lycoming O-540-B2C5 S/N RL-12666-40

OVERHAULED ENGINE I.A.W. LYCOMMING ENG OVERHAUL MANUAL.

OVERHAULED THE FOLLOWING: ENG CASES P/N 73957 S/N L12666-40, ACCY CASE, OIL SUMP, CARB P/N 10-4404-1 S/N AO-38-5593, CRANKSHAFT P/N 13E17674, CAMSHAFT LW19340, LIFTERS 72877 with recondition 78290 plunger, ROCKER ARMS, CRANK GEAR (SB 475 C EXCLUDING PAR 6), CON RODS LW11750, ALL INT STEEL, NEW STARTER P/N 149NL, THE FOLLOWING NEW PARTS INSTALLED: Thermostatic bypass valves, Ac fuel pump LW15472, fuel pump plunger 61544, ROD BOLTS SL-75061, ROD NUTS SL-12186, CRANK/ROD BEARINGS 13884 M10, 11020M10, 13521AM10, TACH DRIVE 76155, MAG BEARINGS 67542, CRANK GEAR BOLT STD 2209, IDLER SHAFTS/BOLTS std2167, CYL ASS MILLINIUM SL36006N-A21P W/ 75089 PISTONS SL3601 RINGS, SL13444-1 WRIST PINS SL71569-1 GASKET SET, END PG 1 OF 2

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REM40E SPARK PLUGS, LW13641 MAG CUSH, SL-STD-1821, OIL RETURN HOSES, SL69603 INTAKE HOSES, CH-48110 OIL FILTER, LW-15592-8-28 INT HOSE CLAMPS, LV 1559205-05 OIL RETURN CLAMPS, MS16625-1081 TACH SHAFT CLIP, 10 QTS AEROSH MINERAL OIL. ALL ADS AND SBS HAVE BEEN COMPLIED WITH THRU 2010-03. I CERTIFY THAT THIS ENGINE HAS BEEN OVERHAULED TO NEW SPECS IAW LYCOMING DIRECT DRIVE OVERHAUL MANUAL. THIS ENGINE WAS GROUND RAN ON A TEST CELL FOR 6 HRS.

Converted to O-540-B2C5-C-A1D5
See 337 THIS DATE SA 14566 L STL
ROBERT C. BENYO A&P [REDACTED] DURING OVERHAUL [REDACTED]

Technician or Repair
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Engine 04/09/2010

N86AB PIPER PA-25-235 S/N: 25-3409
TACH:0.1 AFTT:6707.9 Lycoming O-540-B2C5
S/N RL-12666-40 TTE:3437.5 SMOH:6.3
McCauley 1A200/FA8450 #107587

All AD's checked/ complied with thru 2010-06 See AD list.
I certify that this **Engine** has been inspected **IAW** PIPER
PA-25 maintenance manual #230-204, Lycoming
Maintenance manual and 14 CFR, part 43 appendix D
ANNUAL INSPECTION and is in Airworthy condition

ROBERT C. BENYO A&P () IA

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N 86AB 4-8-10
SN 25-3409 TACH 01
ETT 3437.5 SMOIT 6.3
INSTALLED LYCOMING
O-540-B2C5 ON
N 86AB SN 25-3409
ENG SN RL-12666-40
ENG TT 3437.5
TT SMOIT 6.3
INSTALLED IAW PIPER
MAINT MAN 43.13
GROUND RUN/CHK OK
RETURN TO SERVICE
DMD
[REDACTED]
[REDACTED] APPRO [REDACTED]

[illegible]

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	Serial Number	S/N	Model	Engine	Registration
19			N86AB	S/N: 25-3409	Model: Piper PA-25-235	Engine log	Registration
			Date: June 1, 2012	TTE: 4355.8	SMOH 1007.0		Number of Technician or Repair
			Tach Time: 01007.0				
			Lycoming O-540-B2C5-C-A1D5	S/N RL-12666-40			
			Engine log				
			Drained oil and removed filter. installed new CH48110-1 oil filter and service				
			With 12 quarts Aero Shell 15-50 oil. Leak check ok. Compression check: #1				
			76 /80. #2 78/80. #3 79/80. #4 79/80. #5 79/80. #6 79/80. Removed. cleaned				
			and rotated all spark plugs. Magneto timing to engine checked and verified.				
			Lubricated starter gear and ring. Visually inspected alternator mount belt and				
			wiring. Visually inspected exhaust system and gaskets. Visually inspected				
			intake system and gaskets. Drained carburetor fuel bowl and checked for				
			water. reinstalled plug and safety wired. Removed cap from electric fuel pur				
			removed screen. inspected and reinstalled and safety wired. Aircraft ground				
			run and leak check performed no leaks noted. All AD'S complied with as of th				
			date. IAW 14 CFR part 43, appendix D ANNUAL inspection check				
			list. Aircraft is airworthy to return to service.				
			Robert Benyo A&P	Next 100 Hours:	1107.0		
			Annual Due: June 30, 2013				

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N86AB S/N: 25-3409 Make/Model: Piper PA-25-235
Lycoming O-540-B2C5-C-A1D5 S/N RL-1266-40
July 27, 2012 TTE: 4544.4 SMOH 1113.4 Tach: 1106.9

Engine log

R&R oil/filter. Filter opened no contaminants found. Serviced with 12 qts Aeroshell 100w. Installed new oil filter P/N CH48110-1. Sparkplugs cleaned, gapped, tested and rotated. Cylinder Differential Pressure Test #1 78/80, #2 78/80, #3 79/80, #4 76/80, #5 77/80, #6 77/80. Magneto timing checked ok. Carburetor drained. screen inspected cleaned. Inspected intake/exhaust. Inspected all hoses. Engine ground run no leaks noted. I certify that this engine has been inspected IAW Manufacturers Maintenance manual, and FAR Part 43 (D) and AC 43.13-1B. 100HR Inspection and all AD's complied with thru 2012-16 and is airworthy OK to return to service.

Robert Benyo Next 100 Hr : 1206.9 Annual Due: June, 2013
A&P [REDACTED]

N86AB S/N: 25-3409 Make/Model: Piper PA-25-235
Lycoming O-540-B2C5-C-A1D5 S/N RL-1266-40
August 15, 2012 TTE: 4643.6 SMOH 1212.6 Tach: 1206.1

Engine log

R&R oil/filter. Filter opened no contaminants found. Serviced with 12 qts Aeroshell 100w. Installed new oil filter P/N CH48110-1. Sparkplugs cleaned, gapped, tested and rotated. Cylinder Differential Pressure Test #1 76/80, #2 78/80, #3 77/80, #4 79/80, #5 77/80, #6 77/80. Magneto timing checked ok. Carburetor drained, screen inspected cleaned. Inspected intake/exhaust. Inspected all hoses. Engine ground run no leaks noted. I certify that this engine has been inspected IAW Manufacturers Maintenance manual, and FAR Part 43 (D) and AC 43.13-1B. 100HR Inspection and all AD's complied with thru 2012-16 and is airworthy OK to return to service.

Robert Benyo Next 100 Hr: 1306.1 Annual Due: June, 2013
A&P [REDACTED]

N86AB S/N: 25-3409 ✓ Make/Model: Piper PA-25-235
Lycoming O-540-B2C5-C-A1D5 S/N RL-1266-40
September 7, 2012 TTE: 4704.3 SMOH 1273.3 Tach: 1266.8

Engine log

R&R oil/filter. Filter opened no contaminants found. Serviced with 12 qts Aeroshell 100w. Installed new oil filter P/N CH48110-1. Sparkplugs cleaned, gapped, tested and rotated. Cylinder Differential Pressure Test #1 78/80, #2 77/80, #3 76/80, #4 77/80, #5 77/80, #6 79/80. Magneto timing checked ok. Carburetor drained, screen inspected cleaned. Reworked airbox worn bushing. Replaced crankshaft seal. Inspected intake/exhaust. Inspected all hoses. Engine ground run no leaks noted. I certify that this engine has been inspected IAW Manufactures Maintenance manual, and FAR Part 43 (D) and AC 43.13-1B. 100HR Inspection and all AD's complied with thru 2012-20 and is airworthy OK to return to service.

Robert Benyo Next 100 Hr :1366.8 Annual Due: June, 2013
A&F [REDACTED]

N86AB S/N: 25-3409 Make/Model: Piper PA-25-235
Lycoming O-540-B2C5-C-A1D5 S/N RL-1266-40
February 04, 2013 TTE: 4781.8 SMOH 1350.8 Tach: 1344.3

Engine log

Inspected right magneto, p-leads and wire harness. Removed and cleaned spark plugs. Replaced #4 bottom spark plug Checked engine timing IAW Manufactures Maintenance Manual and Lycoming direct drive engine overhaul manual. Ground run and op checked good with no defects, and is airworthy OK to return to service.

Robert Benyo Next 100 Hr: 1366.8 Annual Due: June, 2013
A&F [REDACTED]

N86AB S/N: 25-3409 Make/Model: Piper PA-25-235
Lycoming O-540-B2C5-C-A1D5 S/N RL-1266-40
February 22, 2013 TTE: 4802.6 SMOH 1371.6 Tach: 1365.1

