

The Standard



ENGINE LOG

ASA-SE-1

ENGINE RECORD - GENERAL INFORMATION

MANUFACTURER Lycoming MODEL O-540-A1B5
SERIAL L-1271-40 TYPE CERTIFICATE _____
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT PA-24-250 Piper Comanche 6886P
MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____
MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____
SPARK PLUG GAP _____
MFG. RECOMMENDED OVERHAUL AT 2000 HOURS.

The Standard



ENGINE LOG

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.)
12	14-94		TACH READS 2602.04	MAGNETOS REMOVED, REPAIRED, AND REINSTALLED THIS DATE. COMPLIED WITH AD 94-01-03 RI. SEE WORK ORDER DATED 12-7-94. FOR DETAILS. ALL TEST PASS. OK. FOR RETURN TO SERVICE PAUL BARTON 505 882765 IA

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.)
1-9	2605			REMOVED SPARK PLUGS CLEAN, GAP AND TEST CHECKED CYLINDER COMP- -RESION AND FOUND THE FOLLOWING 1-66 2-77 3-76 4-67 5-76 6-76 OVER 80 PSI. MAG TIM- MING CLED ACCOMPLISHED OPERATIONAL CHECK OF ENGINE Evin D'Parden A&P 523923196 I A
4-13	2644			CHANGED OIL AND FILTER, ARMO SHELL 15-50 11 QTS AND CH48110. Evin D'Parden A&P 523923196.

DATE 1975	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)
9-26	2714			CHANGED oil + filter - ten ch 4810 filter - 11 qts 15/50 Hroshull - cut open old filter found a few small aluminum particles - Run + look ch ok Benches Ap 154825V N6886P
	TACH		2769.4	Eng. removed for Oth.

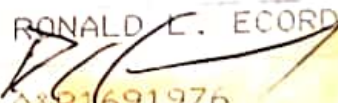
4-12-96 W04790 O-540-A1B5 S/N L-1271-40 6886P TACH 2769.4

DATE

19__

ENGINE OVERHAULED IN ACCORDANCE WITH LYCOMING DIRECT DRIVE OVERHAUL MANUAL AND APPLICABLE SERVICE BULLETINS AND INSTRUCTIONS. ALL STEEL PARTS MAGNAFLUXED AND CRANKCASE ZYGLOED. RODS RECONDITIONED BY AIRCRAFT SPECIALTIES, W0 81318. CYLINDERS ARE STUD ASSEMBLIES NEW REBARRELS, GIBSON W0 52592. CAMSHAFT REGROUND BY AIRCRAFT SPECIALTIES, W0 81318. REPLACED ALL VALVE SPRINGS, VALVE KEEPERS, EXHAUST VALVES, ROCKER SHAFTS, ROCKERARM BUSHINGS, PISTONS, PISTON PINS, PISTON RINGS, ROD BEARINGS, MAIN BEARINGS, CAM FOLLOWERS, CWT. BUSHINGS, CWT. PINS, CWT. CLIPS, CWT. PLATES, ALL GASKETS AND SEALS. CARBURETOR EXCHANGED WITH CONSOLIDATED FUEL SYSTEMS S/N R-44-10896, W0296109. INSTALLED NEW HARNESS AND NEW SPARK PLUGS. C/W AD81-18-04-R1 (SB524) INSTALLED NEW OIL PUMP GEARS P/N LW18109 AND LW18110. C/W AD91-14-22 (SB474B) MODIFIED CRANK GEAR. TEST RUN OK.

MOUNTAIN VIEW AEROMOTIVE INC.
2501 STATE AVE
ALAMOSA CO. 81101

RONALD L. ECORD

A&P1691976

DATE 19 <u>96</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)
5-1	2769.40			Completed an Annual Inspection as per
5-1	1484 at O. H.			FAR 43 App.(D) - Re-installed Engine after O.
A	1285 sm H			+ Re-installed Prop + Cowling, New fuel lines
	2769 + total			+ oil hose installed, 11 qts AeroShell 50 w
				Non Det. oil added - Run Engine ck for
				leaks + functional ck - I Certify that this
				Engine has been inspected in IAW an Annual
				Inspection and was determined to be in
				an Airworthy Condition Ben Alder IA 1898257

DATE 19 <u>96</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.)
2 Nov	2060.70			Changed oil & Filter, 119ts H.S. 15/50 CH48110 - <u>Dr. J. J. J. JA18482521</u>
3-25-97	3050'			Installed O.H. 211CC Vacuum Pump: SN 970317. Replaced gasket; drove sand - <u>for ground Run 5 OK - 1</u> MAINTENANCE RELEASE The aircraft and/or component identified above was repaired and inspected in accordance with current FEDERAL AIR REGULATIONS and is approved for return to service. Pertinent details of the repair are on file at the agency under work order # <u>3-25-97</u> Signed <u>Roy d. Claves</u> for SKY CRAFT AVIATION, INC. FAA CRS # 1U2R911K P. O. BOX 836 EL RENO OKLA 73036 (405) 262-1360 FAX (405) 262-6230

TACH TIME 3211:95

DATE

19

6-12-97 0-540-A1B5 S/N L-1271-40 WO 5256 TACH_____

ENGINE DISASSEMBLED. REPLACED CRANKCASE WITH EXCHANGE UNIT FROM DIVCO, S/N 2512, WO61473. REPLACED MAIN BEARINGS, ROD BEARINGS AND ALL GASKETS AND SEALS. REPLACED LEFT MAGNETO WITH NEW BL-513675-47 MAGNETO. TEST RUN ENGINE. REINSTALLED ENGINE IN PUEBLO. TEST RUN OK.

MOUNTAIN VIEW AEROMOTIVE, INC
2501 STATE AVE ALAMOSA CO 81101
719-589-9100

RONALD L. ECORD
[Signature]
A&P1691976

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.)
3-25-98	3546.6			Changed oil & filter serviced with Aeroshell 15W50. Replaced missing screws in the cover. TEST RUN ENGINE.
				3-25-98 M. Schoales AP 19244562



Date: 05/14/98 **N Number:** N6886P

Tach: 3610.45

Description of Work Performed:

Changed oil and Filter using 12 quarts of Aeroshell 15 W 50 oil. Also installed twelve new REM40E spark plugs. Washed and ran engine to check for leaks and performance. Found normal and returned to service.

Gilbert C. Schoales Jr.
Gilbert C. Schoales Jr. AP 19543741

DATE 19 ⁴⁸	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)
6/15	3637.4			Changed oil, Installed New CH48110 Filter Found metal during inspection of old Filter, owner notified, serviced with 9 QTs Aeroshell 40w aircraft oil as per owner request. / ^{AAA} Alameda 383-90-8849
6-23-48				Examine oil Filter contents, Content is granulated carbon, NO metal found Carbon appears to be caused by worn Exhaust Valve Guides P.H. ATP 1691976

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.)
7-14-95			3639.0	Removed @ y/s. Replace valve guides Replaced Exhaust valves with serviceable valves. Ground seats + Intake valves + lapped reinstalled using new gskt + seals O/S CRK Installed 12 qt's Aeroshell 1000
				I CERTIFY THAT THIS ENGINE ^{HAS BEEN INSPECTED} IN ACCORDANCE WITH A <u>100 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TACH TIME <u>3639.0</u> TOTAL TIME <u>3639.0</u>
				ENGINE SMOH <u>5046</u> PROPELLER SMOH _____ DATE <u>7-14-95</u> NAME <u>[Signature]</u> CERT. NO. <u>14-11091976</u>
				MOUNTAIN VIEW AEROMOTIVE, INC. 2501 State Avenue Alamosa, Colorado 81101 (719) 589-9100

				DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL 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)
Call 8/7/98	365.5	71		Removed alternator install new brush assembly & diode plate. Run up & AP's check good. Horton Avion Service ABZ B Leak Chris Decker
Call 9-11-98	7 PCH 316.99	2-		CHANGED OIL USED Amcoshell 100w changed filter inspected used oil 48110 cleaned sump found some debris in sump see recommendations check in 10 hrs - Test Run & Leak ck - Wesley Kennedy AP 4102972594A

DATE 19 <u>199</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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES)
6/8 MAR	3702.5			CHANGED OIL USED Genoshell 15/50W CHANGED FILTER USED C142010 cleaned Sump screens - Replaced to mag plate Test & Leak check good - Replaced W. Kelly Kuning #02972590A
6-10-99	3850.1			Changed oil & filter serviced with genoshell 100W. TEST RAN ENGINE W. Kelly Kuning #02972590A

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21 MAY 01	TACH 3904.07	AFTT 4371.07	TSD 1134.67	<p>PERFORMED 100 HOUR INSPECTION I/A/W PIPER MM INSPECTION GUIDE, COMPRESSOR #1 65/60 #2 60/60 #3 73/60 #4 71/60 #5 72/60 #6 67/60 - REPLACE OIL FILTER AND OIL IN 25 HOURS (ENGINE IS SERVICED WITH ARROWELL 100 AND PRESERVATIVE). REPAIRED EGT WIRING, RESEALED FIREWALL FEED THRU'S. REPAIRED RIGHT FORWARD BAFFLE. RESEALED #5 EXHAUST PUSHROD TUBE. REPLACED HOSES FROM FIREWALL TO ELECTRIC FUEL PUMP, ELECTRIC FUEL PUMP TO ENGINE DRIVEN FUEL PUMP (TWO), ENGINE DRIVEN FUEL PUMP TO CARBURETOR, AND OIL PRESSURE INDICATOR. REPLACED INDUCTION AIR FILTER (A.D. 84-26-02 500 HOURS AND A.D. 99-05-09 DUE TIME). C/W A.D. 96-12-07</p>

CONT NEXT PAGE

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.)
				BENDIX IMPULSE COUPLING INSPECTION (500 HOUR RECURRING)
				REPLACED LEFT IMPULSE COUPLING. C/W A.D. 68-05-01
				EXHAUST INSPECTION (100 HOUR) MUFFLER AND RIGHT
				EXHAUST STACK REPAIRED BY AEROSPACE WELDING RS#
				UWDR 792L. REPLACED TAILPIPE (NEW). C/W 400 HOUR
				LYCOMING VALVE TRAIN INSPECTION. REPLACED LEFT
				AND RIGHT MAGNETO POINTS AND CONTACTORS.
				I certify that this
				has been inspected in accordance with
				an or a 100 HOUR/ANNUAL inspection and
				was determined to be in an Airworthy
				condition and is approved for return to Service
				Tach Time 38015 Total Time 437107
				TSO LH Engine / 1344 RH Engine Date 5/21/61
				Signature <u>ADD D60 ENGINE EC12663E</u>

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.)
10/01/02	LYCOMING	MOD O-540-A1B5	S/N L-1271-40 TachT 3934.34	TSN 4401.34 Carb heat box removed and rebuilt by Webco. Removed and repaired left exhaust manifold. Removed and replaced engine driven fuel pump, part number LW 15472. Removed and repaired oil cooler by Southwest Cooler. Cylinder compression is as follows: cyl # 1 75/80, #2 73/80, #3 75/80, #4 74/80, #5 73/80, and #6 75/80. I certify that I have performed an annual inspection and found this engine to be in an airworthy condition. Jim N. Cameron 484549960
12.01.04	LYCOMING	MOD O-540-A1B5	S/N L-1271-40 TachT 3964.75	TSN 4431.75 Cylinder compression is as follows: cyl # 1 75/80, #2 76/80, #3 79/80, #4 78/80, #5 76/80, and #6 78/80. I certify that I have performed an annual inspection and found this engine to be in an airworthy condition. Jim N. Cameron 484549960

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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DATE: 10/31/02 REG: N6886P S/N: 24-2022 TACH: 3936.4

ENGINE LYC O-540-A1B5 S/N L-1271-40 TTSN: 4403.4

Complied with Lycoming Service Bulletin 554 by replacing crankshaft gear retaining bolt with new bolt p/n STD-2209 and lockplate p/n LW-18638 contained in Kit p/n 05K19987, assembled and lubricated in accordance with service bulletin 475B. All work performed in accordance with Service Bulletins 554, 475B and Lycoming Overhaul Manual p/n 60294-7. Performed engine ground run. All engine operating parameters were normal. No leaks found.

Cutter Aviation Dallas, Inc. David Reynolds A&P 458379893

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				<p>ENGINE LYCOMING S/N. <u>L-1271-40.</u> MODEL. <u>0-540-A1B5.</u></p> <p>Oil and Filter changed, Fuel Screens checked and cleaned. Spark Plugs Removed, Cleaned, Gap set. Magneto Timing checked, reset to 25 Degree's before T.D.C. Per, Lycoming Engine Manual, Alternator Belt tension checked. New air filter Installed. Engine Cylinder's Compression Checked. Reading's as follows.</p> <p>CYL. #1 78 . Cyl.# 2. 79 . Cyl.# 3. 76 . Cyl. # 4 77 . Cyl.# 5 78 . Cyl.# 6 78 . PSI. 80. 80. 80 . 80 . 80 . 80 .</p> <p>Magneto impulse couplings due inspection at: Tach. 4404:07. Muffler Due Inspection, At Tach: 4084:18 . Owner reinstalled plugs, and Engine Cowling, Engine was started up, Idle Speed checked (ok), run Engine up T/O Power Setting,(ok). Carb Heat & Magneto's Checked ,@ 2000 R.P.M (ok). All Engine Instruments, Gages, and controls functioned, Properly. All Engine AD's complied with thru AD. 2005-26-10. Propeller complied, With thru ad. 2005-14-11 <u>Wilburn M. Tackett</u> A/P 1947241 I/A. Wilburn M. Tackett Date 05/18/2006</p>

Scanned with CamScanner

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__				<p>Engine Lycoming S/N L-1274-47 (W.H.T.) Model 0-540-A1B5 TACH:4134:80</p> <p>Owner removed engine cowling, spark plugs, and all air, fuel, oil filters and screens. All fuel filters cleaned, oil filter cut open, no dirt or metal found, fuel filters reinstalled, new oil filter installed. Air filter checked no dirt or water found, air filter reinstalled, spark plugs cleaned all by owner. Spark plugs gap checked (ok).</p> <p>Engine Cylinder Compressions checked, readings are as follows. cyl# 1 <u>70</u>. cyl#2. <u>72</u>. Cyl#3 <u>78</u>. cyl.#4 <u>76</u>. cyl#5 <u>76</u>. cyl#6 <u>76</u>. psi. 80 80 80 80 80 80</p> <p>Magneto to engine timing checked (ok) Right mag - rivet impulse coupling, left mag. snap ring impulse coupling. 500 hour due at Tach: 4404:07. 100 hour inspection due at Tach: 4225:08. Engine Propeller is due 500 hour inspection on 07/14/2011. Owner filled oil sump with fresh oil, and the cowling was installed.</p> <p>The Engine was started up and run to "take off" power setting (ok) Magneto rpr checked (ok) Carb. heat checked (ok), Idle Speed checked (ok). All engine cow gauges and instruments checked (ok). Engine was shut down and no oil or fuel were found. All A.D's were checked thru AD.2009-26-12. Engine is ok to return service.</p> <p><i>Will M. Jackson</i> AP 1947241 VA Det 04/11</p>

	RECORDING TACH TIME	TODAY FLIGH	TOTAL	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
				<p>Lycoming Engine Model 0-540-A1B5 S/N. L-1271-40.</p> <p>I Certify that this Aircraft Engine was Inspected in Accordance with the Lycoming Engine, Maintenance Manual for a 100:00 Hour/Periodic, Type Inspection and was Determined to, be in an Airworthy Condition at this time and is Approved for Return to Service.</p> <p>Engine Total Time: 4134:80 T.S.M.O.H. 1365:40 TACH: 4134:80.</p> <p>Signed. <u><i>Wilburn M Tackett</i></u> Date 04/18/2011. WILBURN M. TACKETT A/P 1947241 I/A</p> <p>* ENGINE LYCOMING S/N. L-1271-40 MODEL 0-540-A1B5 TACH:4139:99 OWNER REMOVED ALL FILTERS AND SPARK PLUGS. NO DIRT OR WATER WAS FOUND IN AIR FILTER,. FUEL FILTERS CLEAN, OIL FILTER CUT OPEN AND NO DIRT OR METAL WAS FOUND. AIR AND FUEL FILTERS REINSTALLED, NEW OIL FILTER INSTALLED. SPARK PLUGS CLEANED,GAP CHECK OK. CYLINDER COMPRESSION CHECK MADE , READINGS ARE AS FOLLOWS. CYL # 1 <u>72</u> P.SI CYL.# 2 <u>76</u> P.S.I. CYL. #3 <u>78</u> P.SI. 80 80 80 CYL # 4. <u>78</u> P.S.I. CYL. # 5 <u>72</u> P.S.I. CYL. # 6 <u>76</u> -P.S.I. 80 80 80</p>

Magneto to Engine Timing Checked.(ok). **Left** Magneto Has **Snap Ring**, Impulse coupling, (**500** Hour Inspection Is Due at Tach: **4404:07**. The **Right** Magneto Has The **Riveted** Impulse Coupling, And, **100** Hour Inspection, Is Due at Tach: **4225:08**.). Propeller is due **500** Hours/**5** Year Inspection at, Tach: **4639:99**, Or at **09/20/2016**. Owner Filled Sump With New Oil, Installed, Spark Plugs, And Installed the Engine Cowling. The Engine Was Started up, And Ran up to T/O. Power (ok). Magneto Drop R.P.M. @ **2000** R.P.M. (ok). Carb. Heat Checked (ok)., Idle Speed Checked,(ok). All AD'S Checked up, TO And Including AD. **2012-03-07**. The Engine is ok to Return to Service.

Signed. Wilburn M Tackett A/P. **1947241 I/A**
WILBURN M. TACKETT Date. **07/05/2012**

LYCOMING ENGINE MODEL **0-540-A1B5**. S/N. **L-1271-40**.

I Certify That This Aircraft Engine was Inspected In Accordance With The Lycoming Engine Maintenance Manual For a **100:00**. Hour/**Periodic**, Type of Inspection, And Was Determined To be in an Airworthy Condition, At This Time And Is Approved For Return To Service. Engine TT: **4139:99**. T.S.M.O.H. **1370:59**. TACH: **4139:99**.

Signed. Wilburn M Tackett . A/P. **1947241. I/A**.
WILBURN M. TACKETT Date: **07/05/2012**

RECORDING TACH TIME	TODAYS	TOTAL TIME IN	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS						
			ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF						
			LYCOMING ENGINE S/N. L-1271-40. MODEL. 0-540-A1B5. TACH.4143:53.						
			Aircraft Owner Removed Engine Cowling, Fuel & Oil, and Air Filters, Fuel Screens was Cleaned, Oil Filter opened up no dirt or metal found in filter. New Oil Filter installed, fuel, And Air Filter Installed. Spark Plugs inspected, cleaned, Gap checked (ok). Cylinders, Bore Scoped (ok). Top Spark Plugs Installed. Cylinder Compression Checks Complied with.						
			Cyl. #1 79	Cyl. #2 77.	Cyl.# 3 78.	Cyl. #4 76.	Cyl. #5 76.	Cyl. #6 75.	Psi.
			80	80	80	80	80	80.	Psi.
			Magneto's Timing to Engine checked (ok). @ 25 Degree's (ok). Bottom Spark Plugs Installed. Engine was Started up, Idle (5- minutes), Engine run up to full power (3) minutes, Decel to -2000. R.p.m's,(2) minutes, Check Mag's , Left mag. 70 R.P.M. Drop, Right mag, 85 R.P.M.- Drop. Carb. Heat checked. (ok). Engine Returned to Idle Speed 670 R.P.M. @ (5)- Minutes and Shut Down. No Fuel or Oil Leaks found. All Engine Controls, Instruments, Functioned Properly. The Propeller was Cycled Low Pitch to High Pitch, Back to Low Pitch, During Engine Run up (ok). *** Note, The Left Magneto has the Snap Ring Style Coupling, Inspection due at 4404:07. The Right Magneto has the Riveted Coupling and the 100 Hour, Inspection due at 4225:08. Both Mag's is Due the 500 hour inspection at Tach: 4404:07. Engine Cowling was installed by Owner (ok). AD's were checked to AD 2012-19-01. Engine is ok to Return to Service. TT.: 4143:53. T.S.M.O.H. 1374:13.						
			Signed <u>Will M Tackett</u>		A/P. 1947241 I/A.				
			WILBURN M. TACKETT		Date: 01/14/2015				

LYCOMING ENGINE MODEL 0-540-A 1B5. S/N. L-1271-40 TACH:4145:57

CYLINDERS WERE BORE-SCOPED.(OK). OWNER INSTALLED TOP SPARK PLUGS,
COMPRESSION CHECK OF CYLINDERS AND THE READINGS IS AS FOLLOWS.

CYL.# 1.76 psi. CYL.# 2.78 psi. CYL.# 3.74 psi. CYL.#. 4.75 psi. CYL.# 5.75psi. CYL.# 6.76 psi.

80

80

80

80

80

80

MAGNETO'S TIMING CHECKED. (OK). @ 25 DEGREE'S (OK). OWNER INSTALLED BOTTOM -
SPARK PLUGS & FILLED ENGINE WITH NEW OIL. IGNITION SWITCH CHECKED OFF/ON AT,
MAGNETO'S @ ("P" LEADS (OK). ENGINE STARTED UP, IDLE "5" MINUTES, 760 R.P.M. RUN UP,
TO FULL POWER. 2575 R.P.M. @ "3" MINUTES REDUCE POWER TO 2000 R.P.M. LEFT MAGNETO,
DROP 80.R.P.M, RIGHT MAGNETO DROP 75. R.P.M. CARB HEAT CHECK 125.R.P.M. (OK).
ENGINE RETURNED TO IDLE 675. R.P.M. @ "5". MINUTES,SHUT DOWN, NO OIL OR FUEL LEAKS,
FOUND. ***NOTE THE RIGHT MAGNETO HAS THE RIVETED COUPLING AND THE 100 HOUR,
INSPECTION IS DUE AT TACH: 4225:08. THE LEFT MAGNETO HAS THE SNAP RING COUPLING,
AND DUE INSPECTION AT TACH:4404:07. BOTH MAGNETO'S DUE THE 500 HOUR INSPECTION,
AT TACH:4404:07. OWNER INSTALLED ENGINE COWLING.(OK). A.D.'s CHECKED TO 2012-19-01.
ENGINE IS OK TO RETURN TO SERVICE. TT:4145:57 T.S.M.O.H:1376:17

SIGNED. Will M Tackett A/P. 1947241 I/A.
WILBURN M. TACKETT DATE. 03/11/2017

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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I CERTIFY THIS LYCOMING ENGINE S/N.L-1271-40 MODEL O-540-A1B5 TT: _____
 WAS INSPECTED IN ACCORDANCE WITH THE LYCOMING ENGINE MAINTENANCE, _____
 MANUAL FOR A 100:00 HOUR/PERIODIC TYPE OF INSPECTION AND WAS DETERMINED, _____
 TO BE IN AN AIRWORTHY CONDITION AT THIS TIME AND IS APPROVED FOR RETURN, _____
 TO SERVICE. ENGINE TOTAL TIME. 4145:57 T.S.M.O.H:1376:17 _____
 SIGNED. Wilburn M. Tackett .A/P. 1947241 I/A. _____
WILBURN M. TACKETT DATE. 03/11/2017 _____

DATE: 08-MAY-20
ENG HRS:
TACH: 4451.16 Hrs

- ENGINE LOG ENTRY -



A/C Reg: N6886P
ENG S/N: L-1271-40
Model: O-540-A1B5

Performed the following work

- IAW JPI installation instructions, remove front plug on engine oil galley, and Install JPI Oil Pressure sender, route wires and install ADEL clamps. Configure EDM-730 IAW JPI instructions to display.
- Blank off old Oil Pressure line by installing AN3 cap from engine to gauge.
- Primer line broken on #6 cylinder. Replace primer line with serviceable unit.
- Removed #2 Cylinder, Installed NEW Millennium Power Assembly P/N: SL-36006N-A20P, S/N: 1260-366NH19 (including piston, rings, piston pin). Rings gapped IAW Superior Service Instructions. (8130-3 provided)
- Removed Oil Filter adapter, recondition surface and replace gasket with Lycoming P/N: 06B23862
- Reinstalled Left Mag and timed IAW with instructions
- Replace bolts and nuts
- Post Maintenance Engine Ground run up performed, initial ground run break in compiled with IAW Superior Air Parts Service Instruction, with no leaks or abnormalities, and all operations within tolerance.

All work on this Engine has been performed in accordance with the Lycoming Maintenance Manual, and current FAR's, and using acceptable practices and techniques listed in AC43.13, I certify that this engine has been determined to be in an airworthy condition with respect to the work performed at this time.

R. V. Jr. AWP 3007258