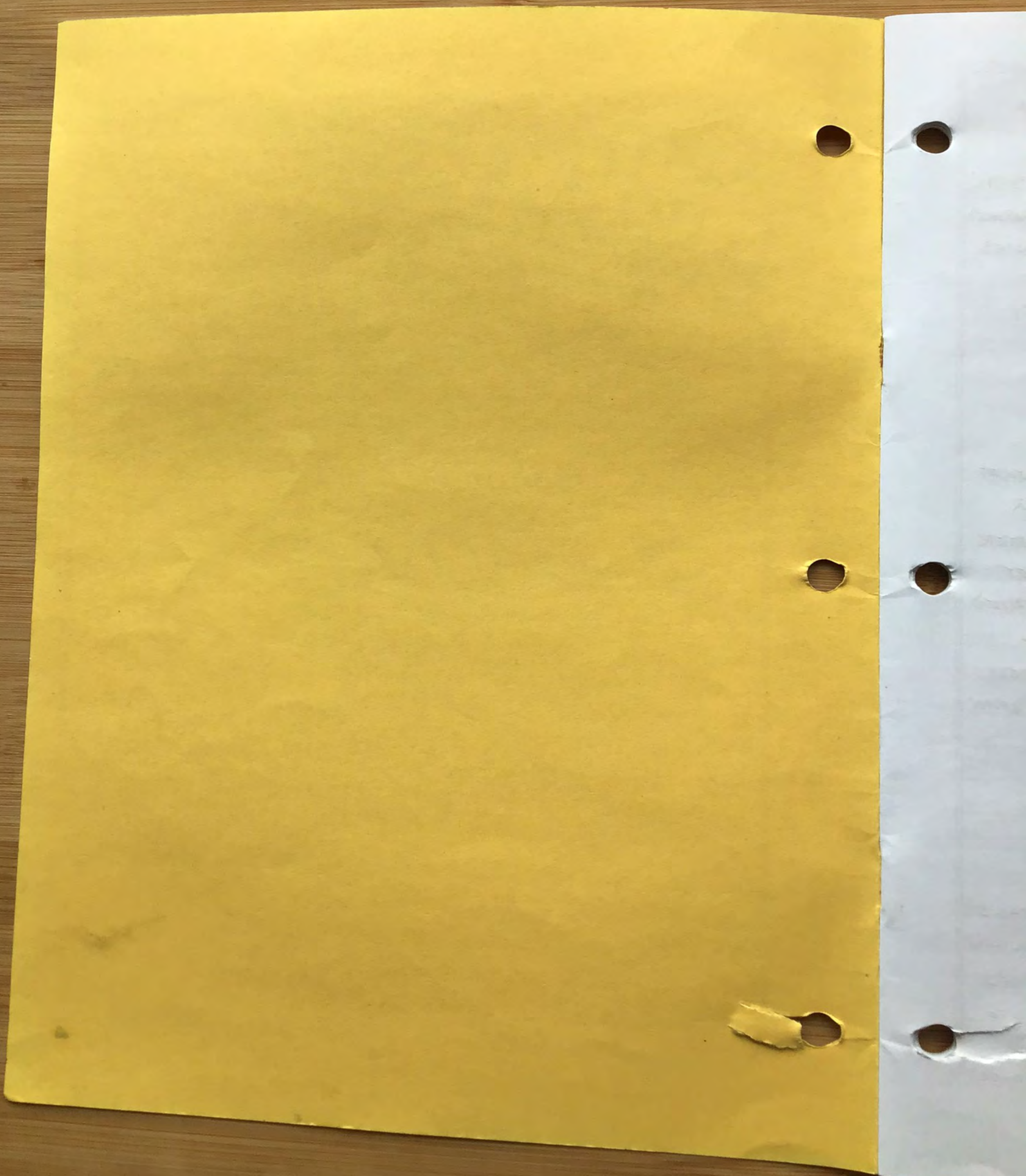


N 30713
LOG #2 (ENG)

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N30713

Engine Manufacturer LYCOMING

Model O-360-A1F6D

Serial No. L-20294-36A

Date installed on aircraft ~~15 JULY 1975~~ 24 FEB 1988

Time Between Overhauls (TBO) 2,000 Hours

If used on multi-engine aircraft:

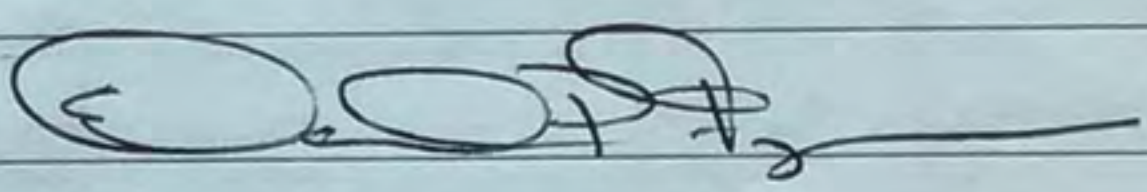
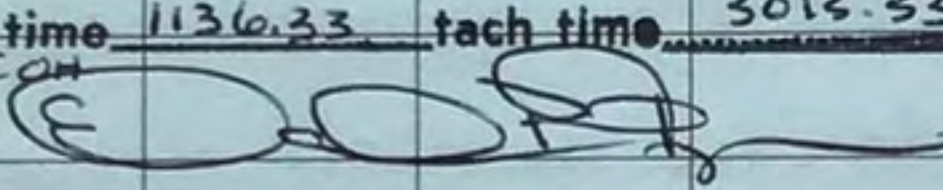
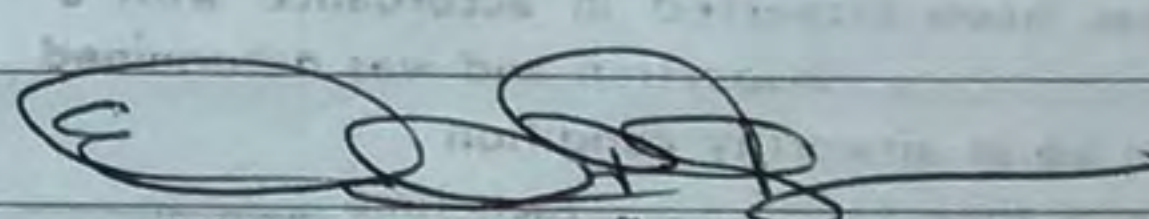
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| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |

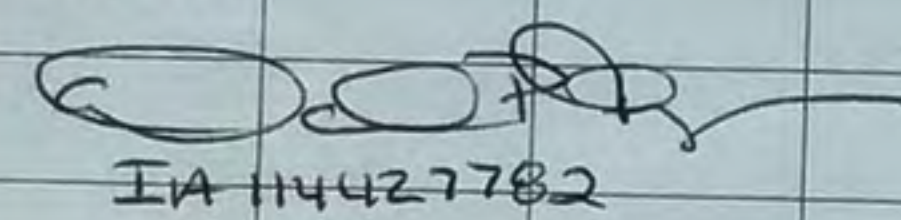
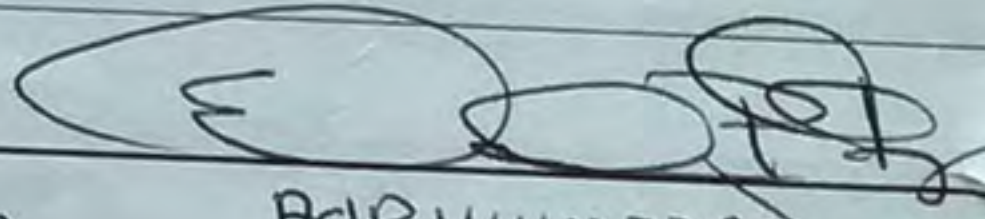
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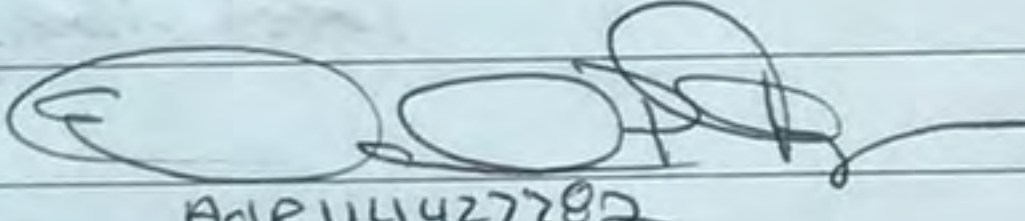
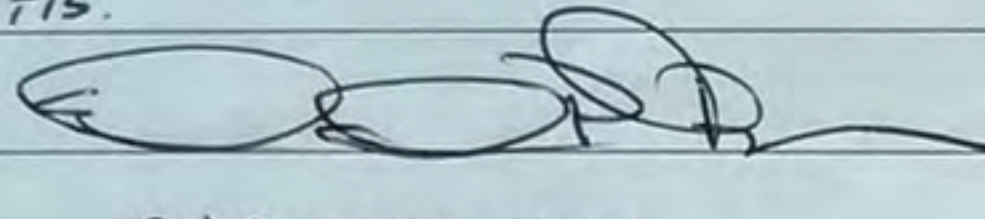
AEROTECH PUBLICATIONS INC.

P.O. Box 1359 / Southold, NY 11971-0965
(631) 765-9375
1-800-235-6444
FAX: (631) 765-9359

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
1 JUN 13 (CONT.)			3013.33	CLEANED AND RE-INST'D - ALL SPARK PLUGS REPLACED - OIL DIPSTICK HOUSING BASE GASKET REPLACED - #3 & #4 CYL. EXH. FLANGES DRESSED AND NEW STUDS INSTALLED - REPLACED ALL ROCKER DRAIN TUBE HOSES - REPLACED ALL INTAKE HOSES AND GASKETS - #1 CYL. ROCKER DRAIN TUBE REPLACED. REPLACED EXISTING CARB. WITH OVERHAULED UNIT PART #10-5034 S/N M# 775801 SEE FAA FORM 8130-3 - UNIT OVERHAULED BY MARVEL-SCHERLER AIRCRAFT CARBURETORS LLC - FAA-PMA PQ 4020CE UNDER W.O. 7758 DATED 10 APR 13 - ENG. WASHED DOWN RUN-UP LEAK & OP'S CK'D SATS. - IDLE & IDLE MIXTURE ADJUSTED
Date <u>1 Jun 13</u> I certify that this aircraft engine has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition total time <u>1136.33</u> tach time <u>3013.33</u> SINCE OH				 ACP 114-42-7782
 IA 114-42-7782				
12 APR 14	1169.46		TACH 3046.46	CHANGED OIL & FILTER - INSP. T OLD FILTER CK'D (SATS) SERVICED ENG. WITH 7QTS W100 AEROSHELL OIL - WASHED DOWN ENG. - LUBED STARTER BENDIX WITH SILICONE SPRAY - RUN-UP ENG & LEAK CK'D (SATS)
				 ACP 114-42-7782
				SUB-TOTALS this page
				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
22 AUG 14			0.0	Comp. CK'D ENG. #1(72) #3(72) #2(73) #4(76) C/W LYCOMING SERVICE BULLETIN 388A ON EXH. VALVE & GUIDE CLEARANCE CK - #1 CYL (.032) #3 CYL (.032) #2 (.041) #4 (.030) - Rmud. #2 & #4 CYL'S FOR REPAIRS - #2 CYL. DISASSY & CLEANED AND INSP. T - Rmud. & REPLACED EXH. VALVE GUIDE & EXH. VALVE - REFACED INTAKE VALVE AND VALVE SEATS - HONED CYL. AND RE-INST'D WITH NEW PISTON AND PISTON PIN & PLUGS AND NEW PISTON RINGS - REPLACED #4 CYL. WITH FRESH CHROME STUD ASSY (SEE TAG) UTILIZING NEW VALVES, & (1) NEW VALVE SPRING - RE-INST'D CYL. WITH NEW PISTON, PISTON PIN PLUGS & NEW PISTON RINGS - REPLACED PUSH ROD SHROUD TUBES #2, #3 CYL'S. - Rmud. CLEANED AND DEFLATED ALL TAPPET PLUNGERS & DRY TAPPET CLEARANCE CK C/W SATIS. - REPLACE COMPLETE IGNITION HARNESS ASSY. PART # M2916 - DRAINED OIL - REMOVED & REPLACED OIL FILTER - INSP. T OLD FILTER CK'D SATIS. - INSP. T & SVC'D OIL SUMP SCREEN (CK'D SATIS.) SVC'D ENG. WITH 100WT. AEROSHELL STRAIGHT MINERAL OIL - Rmud. MAGNETO REPLACED POINT KITS - RE-INST'D ^{ON} ENG. & TIMED - DRAINED CARB BOWL AND SVC'D CARB INLET SCREEN - CLEANED & GAPPED SPARK PLUGS - REPLACED EXH. STUD #1 CYL (HELI-COIL INST'D) ENGINE WASHED DOWN RUN-UP LEAK & OP'S CK'D (SATIS.)
Date <u>1 SEP 14</u> I certify that this aircraft engine has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition total time <u>195.10</u> tach time <u>0.0</u> SINCE OH				 IA 114427782
				 ADP 114427782
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

WORK
 (76) C/W
 H. VALVE &
 CYL (032)
 S FOR REPAIRS-
 - Rmvd. &
 - REFACED
 ED CYL AND
 PIN & PLUGS
 H CYL WITH
 UTILIZING
 RE-INST'D
 UBS & NEW
 UP TUBES
 FLATED ALL
 d of
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 N HARNESS
 MOVED & REPLACED
 - INSP.T &
 D ENG. WITH
 OIL - Rmvd.
 T'D ENG. &
 D CARB
 K PLUGS -
 L INST'D)
 OP'S CK'D

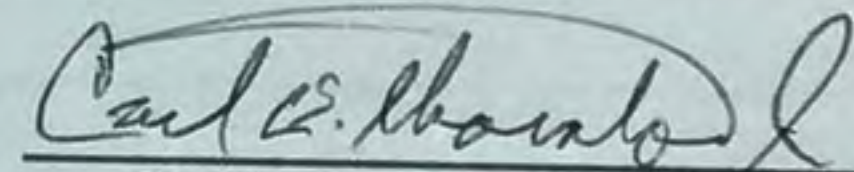
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
11 SEP 14	1171.40		2.0	Comp. CK'D ENG. AFTER BREAK IN FLIGHT #1(76) #3(74) #2(74) #4(78) - REMOVED & REPLACED OIL FILTER - CK'D OLD FILTER CK'D SATIS. - REMOVED PROP GOVERNOR & REPLACED GASKETS & SPACER - RE-INST'D PROP GOVERNOR - RUN-UP ENG. AND LEAK & OP'S CK'D SATIS.  ACP114427782
3 OCT 14	1179.16		9.7	Comp. CK'D ENG #1(77) #3(72) #2(74) #4(78) CHANGED OIL FILTER - INSP. T OLD FILTER CK'D (SATIS.) - SU'D ENG WITH 7 QTS SOWT AEROSHELL STRAIGHT MINERAL OIL - ENG. WASHED DOWN RUN-UP LEAK & OP'S CK'D SATIS.  AAP114427782

Aircraft: N30713

1195.00

Date: 02 Feb. 2015 Tach: 0025.6. Hobbs: 0910. SMOH: 1220.7 Aircraft total time: 3038.93

Drained engine oil and serviced with 8 qts. Of Aeroshell W100. Removed and replaced oil filter with Champion 48103-2. washed engine, run up and leaked checked - good. Serviced Shimmy Damper, checked intake filter, checked tire pressure, checked Battery. Aircraft Return to Service.



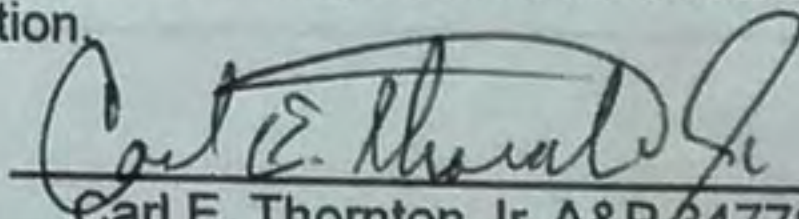
Carl E. Thornton Jr. A&P 3477929

Aircraft N30713

Date: 8 Aug. 2015

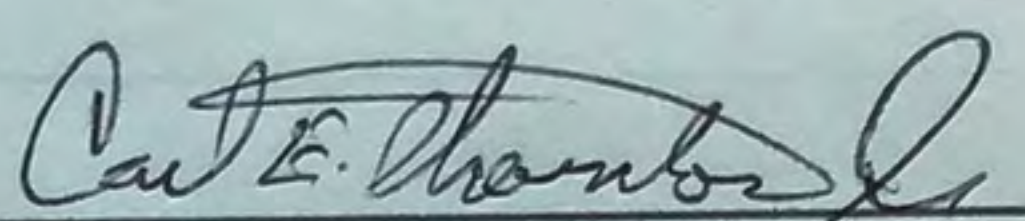
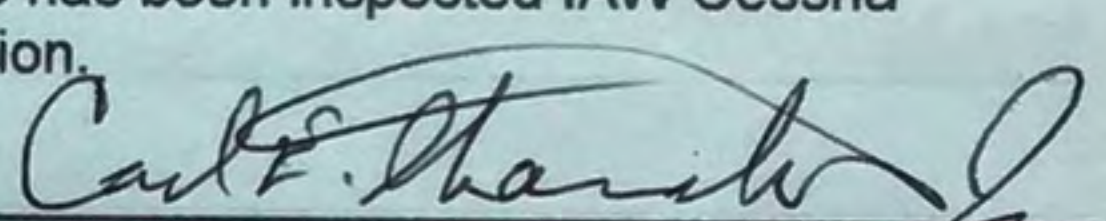
Tach 0042.5 TIS. SMOH 1211.96

Drained oil and service with 8 qts of Aeroshell W 100 oil, changed Oil filter with Tempest # 48103-2 filter. Checked all oil sump bolts and nuts. Checked intake air filter IAW 84-26-02 . Checked mag timing. Rotated spark plugs. Hot compression check is as follows #1, 74/80 #2, 73/80 #3, 69/80 #4, 76/80. Engine was run-up and leak checked - good. I certify this engine has been inspected IAW Cessna Service Manual and was determined to be in an airworthy condition.



Carl E. Thornton Jr. A&P 3477929

TOTALS carry

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
Aircraft N30713				
Date: 10 Nov. 2015				
Tach 0047.2 Hobbs 0939.1 ACFT. TIS 3051.73 SMOH 1216.66				
Removed magneto, 500hr check completed. Installed mag and timed to engine. Engine run-up and mag check completed. Installed cowling. ACFT return to service.				
				 <u>Carl E. Thornton Jr. A&P 3477929</u>
11 DEC 2015 Performed functional check flight. A/c is deemed airworthy. 0.5 hrs				
<i>Carlos E. Martinez</i> CARLOS E. MARTINEZ 3190482 CFII exp 2/29/2016				
Aircraft N30713				
Date: 8 Dec 2016				
Tach 0042.5 TIS. 1233.576 SMOH 1212.006				
Drained oil and service with 8 qts of Aeroshell W 100 oil, changed Oil filter with Tempest # 48103-2 filter. Checked all oil sump bolts and nuts. Checked intake air filter IAW 84-26-02 . Checked mag timing. Rotated spark plugs. Hot compression check is as follows #1, 74/80 #2, 70/80 #3, 71/80 #4, 75/80. Engine was run-up and leak checked – good. I certify this engine has been inspected IAW Cessna Service Manual and was determined to be in an airworthy condition.				
				 <u>Carl E. Thornton Jr. A&P 3477929</u>
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

LYCOMING 0-360-A1F6D

SN L-20294-36A

JUNE 16, 2017

This engine was disassembled, cleaned and inspected for overhaul using reference data provided for within the LYCOMING OVERHAUL MANUAL and TABLE OF LIMITS, PN 60294-7, effective date 07/01/11. All steel parts were cleaned, visually, dimensionally, and magnetic particle inspected, by POWER/AVIATION on WO#517636. The crankshaft, SN V512, was cleaned, sized, polished, visually, dimensionally, magnetic particle inspected, re-bushed on the counterweight blades per SB475C and overhauled by D & S CAM CORP. on WO#15107. AIRCRAFT SPECIALTIES SERVICES cleaned, visually, dimensionally, magnetic particle inspected, re-bushed, sized and overhauled the connecting rods in accordance with SB439, cleaned, visually, dimensionally, magnetic particle inspected and reconditioned the camshaft...cleaned, visually, dimensionally, magnetic particle inspected the crankshaft gear per SB475C and cleaned, visually, dimensionally, magnetic particle inspected, re-bushed the counterweights in accordance with SI1143C on WO#s 236345, 231394 and 242078. The crankshaft gear was installed in modified condition with new bolt, lock, torqued to 660 inch lbs. and lock tab bent in accordance with SB475C para. 6. The counterweights were installed with new clips, plates and rollers per SI1143C. The crankcase was cleaned, visually, dimensionally, liquid penetrant inspected, lapped, line honed and overhauled by DIVCO MFG. INC. WO#117751/119199. The cylinders were supplied in new condition by LYCOMING WO#148436/4545084, SN's 07016X10, 07716J03, 13116X1 and 17416501. The following parts were installed:

2 ea SL13884A main bearings	8 ea 15B26262 lifter bodies	4 ea 17A23938 intake valve
8 ea SL13521A rod bearings	8 ea LW11795 spring	4 ea 17B23936 intake valve
4 ea SL11020 main bearings	8 ea LW11800 spring	1 ea MS-16625-2081 clip
8 ea SL12186 rod nuts	4 ea MS-13998-3 caps	4 ea 14H21950 rings
8 ea SL75061 rod bolts	8 ea 60009 keys	8 ea 74241 rings
2 ea SL72797 roller	2 ea SL14W21696 roller	8 ea SL71907A plate
2 ea MS16625-3093 clip	8 ea 65007 retainer	1 ea SL76121 shaft
1 ea AN8-14A bolt	4 ea SL13790 rocker shafts	4 ea SL77611 ex-gaskets
1 ea LW10332 lock tab	8 ea SL12892 rocker shaft plugs	24 ea SL-STD-1925 screws
1 ea 06A19956 seal	1 ea LW13792 seal	8 ea SL74637 bushings
1 ea SL18667 pin	1 ea SL68759 line	4 ea LW14995 springs
1 ea SL14260 seal	1 ea SL68760 line	4 ea SLR75906-S gasket
1 ea 23D26777 fuel pump plunger	2 ea SL68761 lines	4 ea LW12272 lock plates
1 ea LW18109 gear	1 ea SL1028-B ball	2 ea 71610 hooks
1 ea LW18110 gear	2 ea SL75339 baffles	2 ea 71611 plates
3 ea MS29512-10 O-ring	4 ea 69603A hoses	1 ea 72312 O-ring
4ea LW-14078 pins	8 ea 72198 plug	8 ea RHM38E spark plug
4 ea 14D23912 pistons	1 ea SL61084 spring	1 ea AF15472 fuel pump 09G117
1 ea 10-682555-11 magneto	2 ea 66M19385 clamp	2 ea KA10-400574 capacitor
1 ea LW12920 prop governor line	1 ea 06B23072 seal	1 ea CH-48103-1 filter
1 ea SL53E19600 valve SN 51415	4 ea SL76220 thru- stud	4 ea 05K21104 cylinder kits
1 ea CCB37000 drain valve	4 ea SL-STD 1821 hose	2 ea 68H22624 cushion
1 ea SL75439-1 gasket set		

This engine was reassembled using reference data provided for within the LYCOMING OVERHAUL MANUAL and TABLE OF LIMITS, PN 60294-7, effective date 07/01/11, and PC 306-1, effective date 07/01/80. The magneto was upgraded to an overhauled 3000 series unit, SNG17FO27R supplied by EAGLE MAGNETOS on WO#3386. A new set of CHAMPION spark plugs were installed. The fuel pump, PN AF15472 with SN 09G117 was installed in new condition supplied by AERO ACCESSORIES. The carburetor, PN 10-5034 SN 775801 was reinstalled in serviceable condition, overhauled by MARVEL SCHEBLER AIRCRAFT CARBURETORS WO# 7758 at Tach time 3013.33, dated 4/10/13. The ignition harness, PN M2916 was reinstalled in serviceable condition, installed new at tach time 0.0. dated 8/22/14. New capacitors, PN KA10-400574 were installed with date codes, 1504(L) and 1605(R). The starter and flywheel assembly were installed for test purposes. Engine serviced with 7 quarts of AEROSHELL 100 and installed on test stand. Engine operated for approx. 1 hour. All temps and pressures monitored were normal. Oil filter removed and inspected. No discrepancies noted at this time. New filter, PN CH48103-1, installed. Test accessories removed. Engine is ready for installation of remaining overhauled or new accessories and test run per SI 1427C by certificated individual returning this engine to service. The following SB's were complied with: 201F, 222D, 238, 240W, 271A, 293B, 301B, 370, 388C, 400, 439A, 466, 475C, 477A, 501B, 518C, 519, 520, 524, 527, 533B, 540, 543B, 55A, 578, 582A, 583, 584B, 603 and 603-1.

The following AD's were complied with:

67-10-04	N/A due to CHAMPION filter CH48103-1 installed
69-24-03	N/A due to carburetor PN 10-5034 supplied
73-23-01	N/A due to installation of LW14078 piston pins per SB367
75-08-09 R3	installed LW14040 drive and LW18109 and LW18110 gears in single piece housing per SB385
80-06-05	N/A due to magneto PN 10-682555-11
81-16-05	N/A due to magneto PN 10-682555-11
87-10-06 R1	Inspected, magnafluxed and re bushed rocker arm assemblies per SB477
89-04-07	N/A due to carburetor PN 10-5034 and SN MS775801
90-04-06 R1	Installed new line PN LW12920 and secured per AD
92-12-05	installed LW-14078 pin per SB501B
95-07-01	N/A due to installation of SL-75061 rod bolts
95-26-02	100/130 octane only
96-09-10C	installed LW18109 and LW18110 gears per SB524
97-15-11	installed LW-14078 pins marked 71238/14145 per SB527C
98-02-08	N/A due to engine model
98-17-11C	N/A - crankshaft, SN V512, overhauled by D&S CAM CORP. WO#15107 -NOT- Nelson Balancing
2002-12-07	Installed new 06B23072 seal and marked plate per SB543B
2004-10-14C	Crankshaft inspected, gear installed w/new bolt, torqued 660 in. lbs and locked per SB475C para. 6
2005-19-11	N/A due to crankshaft SN V512 per SB566
2006-06-16	N/A due to crankshaft SN V512 per SB566
2006-10-21C2	Installed LW-11750 connecting rods in C/H'ed condition
2006-12-07	Installed LYCOMING cylinder kits in new condition PN05K21104
2007-04-19R1	Installed new LYCOMING cylinders LW-12416/05K21104
2009-26-12	Installed new LYCOMING cylinders LW-12416/05K21104
2012-03-07	N/A due to carburetor model MA4-5, PN 10-5034
2012-19-01	N/A due to crankshaft SN V512 per SB569A
2015-02-07	N/A due to engine model

Robert S. Geberth
 Robert S. Geberth P3498546

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				

Aircraft N30713

Date: 18 Jul. 2017

Tach 0070.1 Hobbs SMOH: 0.0

Installed Engine per Lycoming / Cessna C177B manual. Engine run-up and leak checked. Suction screen (finger screen) checked. Oil pressure filter removed and replaced with 48103. Filter cut, no issue indicated. Service engine with mineral oil 8 qts. *Return to Service*

Carl E. Thornton Jr.

Carl E. Thornton Jr. A&P 3477929



MAKE: Cessna	DATE: 10/12/2017
MODEL: C-177B Cardinal	Total Time:
SERIAL NO: 17701417	Tach Time: 91.7
REGISTRATION: N30713	Hobbs:

- Drained engine oil and removed filter. Installed new Champion AA48103-1 oil filter, torqued to 17 ft/lbs and safetied. Filled engine with 7 quarts Phillips X/C 20W50 oil.

All work conducted in accordance with Cessna Maintenance Manual. Aircraft is approved for return to service with respect to the work performed.

SIGNED *Joshua Adler* Joshua Adler 3374921 A&P

Aircraft N30713

Date: 16 Feb, 2018

Tach 0101.5 TIS. SMOH 31.3 *MINERAL*

Drained oil and service with 8 qts of Aeroshell ~~W~~ 100 oil, changed Oil filter with Tempest # 48103-2 filter. Checked all oil sump bolts and nuts. Checked intake air filter IAW 84-26-02. Checked mag timing. Rotated spark plugs. Hot compression check is as follows #1, 79/80 #2, 75/80 #3, 79/80 #4, 75/80. Engine was run-up and leak checked – good. I certify this engine has been inspected IAW Cessna Service Manual and was determined to be in an airworthy condition.

Carl E. Thornton Jr.

Carl E. Thornton Jr. A&P 3477929

2-15-19 N30713 Lyc 0-360-A1F6D s/n L20294-36A Tach:148.1
 Performed annual inspection on this engine IAW Cessna 177 inspection checklist. Drained oil, retrieved oil sample, removed oil filter and cut open filter, No contaminants noted, Installed new air filter and serviced engine with 7.35 Qts. of Phillips 100AW. Removed spark plugs and cleaned, gapped and tested, then reinstall spark plugs. Compressions were #1 73 #2 78 #3 75 #4 76.
 Installed new air filter and torqued engine mounts. Removed carburetor and installed overhauled carburetor model MA-4-5 Part # 10-5034 S/N M5057002. Engine run operational and Leak check good. I certify that this engine has been inspected and has been determined to be in Airworthy condition and is approved return of service.

James Tassia
 James Tassia A/P, I.A. 3442423

DATE	TOTAL TIME IN	TOTAL TIME SINCE	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
11/27/19		N30713	TOTAL Tach: <u>175.6</u> <small>from previous page</small>	<p>CO detector indicated possible leak. Performed engine runup, determined that there was no exhaust leak however there was oil dipping on the muffler shroud which was making fumes and in turn would set off the CO detector. Replaced oil gasket from on oil filler, traced oil leakage to lower engine case half. Tightened all case half nuts and oil pan nuts. Performed engine runup, oil leakage was minimal. Installed engine cowling, installed new cowling mount upper RH side. This engine is approved return of service.</p> <p><i>James Tassia</i> James TassiaA/P3442423</p>
<p>Aircraft N30713 Date: 6 Feb 2020</p>				<p style="text-align: center;">Tach: 0176.7 Hobbs: 1100.6 SMOH: 0106.5</p> <p>Drained Oil and serviced with 8 qts of Aeroshell W100 oil. Change Oil filter with Champion # 48103-1. Checked all oil sump bolts and nuts. Checked and serviced air filter IAW 84-26-02. Checked mag timing Cleaned checked gap and rotated spark plugs. Hot compression check is as follows #1, 74/80 #2, 75/80 #3, 75/80 #4, 76/80 Engine was run-up and leak checked – good. I certify this engine has been inspected IAW Cessna Service Manual and determined to be in an Airworthy Condition. Recommend return to service.</p> <p style="text-align: right;"><i>Carl E. Thornton Jr.</i> Carl E. Thornton Jr. A&P 3477929</p>

			SUB-TOTALS this page
			TOTALS-Carry forward to next page

