The Standard

ENGINE LOG

ASA-SE-1

LOGBOOK
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Engine Record General Information

Manufacturer LYCOMING Model IO-360 A1B6D

Serial L-15552-51A Type Certificate 1E10

This engine is currently installed in aircraft: N7733V CESSNA 177RG0907

Minimum Octane Fuel 100LL **Oil Grade:** Summer _____ Winter _____

Magneto Time _____ **Point Setting** _____ **Firing Order** _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at 2000 hours

May 1, 2019
SMOH: 0.0
Engine Total Time: 5,764.5

Lycoming IO-360-A1B6D
S/N L-15552-51A

I certify that this engine has received a complete **major overhaul** in accordance with Lycoming Direct Drive Overhaul Manual, part number 60294-7, Revision 60294-7-14, dated July 2011. Complied with Lycoming Service Bulletin SB 240W, dated 2/23/2012, Mandatory Replacement Parts by installation of all new replacement parts.

Airworthiness Directives: Complied with the following Airworthiness Directives: AD 2015-19-07, Fuel injector clamps, IAW Lycoming MSB 342G by means of visual inspection.

Crankcase: Crankcase and accessory cases repaired by Divco Inc, CRS# DB2R762K, under w/o's 108978 and 107986. FAA Form 8130-3 attached. Refinished using Superflite SF2100-1, Lycoming Grey engine enamel.

Internal Steel: The following parts were repaired/inspected/overhauled by Aircraft Specialty Services, FAA CRS# DD2R764K, under w/o 224600, all internal gears and hardware, gears p/n LW10284 & LW10286, hydraulic tappets and lifter assembly's, rocker arms, p/n 77450 connecting rods, p/n 76121 tach shaft, Crankshaft was ground to .006 undersize on mains and journals and counterweights re-bushed. Magneto drive gear p/n LW10301 inspected under A.S.S. w/o #251305. FAA Form 8130-3 attached for all parts.

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Cylinders: Installed 4 ea. overhauled chrome cylinders p/n 12987, s/n's 102516-1, 102516-2, 102516-3, and 102516-4. Cylinders were overhauled by Gibson Aviation, FAA CRS# AV2R704K, under w/o #102516, FAA Form 8130 attached. Installed with 4ea. new p/n SL5401-SC ring sets, 4x FAA/PMA pistons Combustion Technologies p/n 2186-2

Miscellaneous: Installed the following new parts: p/n 10-821414-6Y ignition harness, 8x p/n UREM38E spark plugs, CH48103-1 oil filter, SL13884AM06 bearings, SL11020M06 bearings, 8x SL1321M06 rod bearings, 8x SL75060 rod bolts, 8x SL12186 rod nuts, SL1028-B ball and SL1084 spring, SL12944 gasket set, p/n LW10342 oil pump body, p/n LW14040 gear assy. Installed new PHT Hose Technology hose kit p/n's 124J001-6CR0090, 2x S1236C6-0120, 124J001-6CR0090, 124J001-6CR0164, 124001-4CR0172, LW12784-4-0171, 124V001-6CR0296, S1236C6-0296, S1236-0120, 124J001-3CR0320, Saf-air oil drain p/n P5000, LW74808 drain tube, intake pipe p/n LW78742,

Fuel System: Installed overhauled RSA-5A01 fuel injection servo, p/n 524054-10, s/n 58989 and flow divider, p/n 2524232-2, s/n C418 by Aircraft Carb and Injector Service of Texas, FAA CRS# IOFR546Y, under w/o # 4852. Installed overhauled fuel pump p/n LW15473, s/n 02YO26, by Aero Accessories, In CRS# YV4R688M, under w/o # IO2YO-0000.

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Accessories: All installed accessories were overhauled or new.

Magneto: Inspected p/n 10-382555-11 Bendix magneto, s/n 762 by Aircraft Ignition Service, CRS# 5KHR557C, under w/o 3429. FAA Form 8130-3 attached.

Oil Cooler: Repaired p/n 10599A, s/n 3405 by Positech International, Inc. CRS# PC8R209J, w/o 59381. FAA Form 8130-3 attached.

Starter Motor: Installed new Hartzell starter motor p/n 149NL, s/n H-S071707. FAA Form 8130 attached.

Propeller Governor: McCauley governor, p/n C290D3KT12, s/n 760447E, overhauled by Byam Propeller Service Inc., CRS# WN1R590K, under w/o# 36521. FAA Form 8130-3 attached. Installed with new p/n LW12347 prop governor plate.

Eric A. Medsger, 3200413 A&P/IA

24MAY2019

N7733V
1976 Cessna Cardinal RG 177RG0907
Lycoming IO-360A1B6D S/N L-15552-51A
Hartzell HC-C3YR-1RF S/N DY5839B
Performed 100hr

TACH: 0.4 TTAF: 5764.5
TTENG: 5764.5 SMOH: 0.4
TTPROP: 424.5

1. Installed engine in accordance Cessna Service manual. Performed 100Hr.
2. Timed Magneto to Engine.
3. Performed Engine run and no leaks noted.
4. Compression Check: #1 78/80, #2 77/80, #3 78/80, #4 79/80.
5. Replaced all hoses with PHT Invoice 606933 fire sleeve hose Ship to fuel pump (124J001-6CR0090, S1236C6-0120 TEF W/FS), fuel pump to JPI fuel flow (124J001-6CR0090), JPI fuel flow to Bendix Servo (124J001-6CR0164), Servo to fuel divider (124001-4CR0172, LW12784-4-0172, Oil Cooler Hoses (124V001-6CR0296, S1236C6-0296 TEF Cooler In and S1236-0120 TEF Cooler out), Fuel Pressure Hose (124J001-3CR0320), Oil Pressure (S1236C3-0120 TEF)
6. Replaced baffling with new silicon black baffle.
7. Serviced with 8 qts PHILLIPS XC 20W-50.
8. Removed Vacuum pump and installed cover plate.
9. Removed Tach cable and installed Tach cap.
10. Installed air filter with Bracket BA5705.
11. AD 2015-19-07 C/W inspected Fuel injector lines/clamps.
12. Replace Baffle plates with Airforms C-177RG-7578FWD PN 41283 Work Order 41283, Center Plenum C-177RG-7578 Work Order 33501 Center plenum.

Paul Hollis 24 MAY 2019

Paris Hollis, A&P 3102938

YEAR 2019 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				05/25/2019 Tach Time- 000.4 TSMO- 000.4 Annual inspection completed. I certify that this engine has been inspected IAW an Annual Inspection and was found to be in airworthy condition. Richard B Thorne A&P/ IA 2749268
	Tach	TSMO		
06/25/19	14.3	14.3		Oil and filter changed. Serviced with 6.5qts XC ~~20W~~ 50 and tempest AA48103-2 filter. Run-up and leak test performed.
	Britton Ellington/Pilot #4056525			Oil analysis conducted: AOA -No abnormal wear detected for recent overhaul. *See oil analysis folder for details.

YEAR 20___ DATE	RECORDING TACH TIME	~~TODAY'S FLIGHT~~ TSMO	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
09/01/19	48.9	48.9		Oil & filter changed. Serviced with 6.5 quarts of XC 20W-50 and Tempest AA48103-2 filter. Added 1 1/2 oz CamGuard Aviation IAW directions.
	Britton Ellington/Pilot ~~Baffle~~ #4051525			Compressions tested cold: #1: 78/80 #2: 78/80 #3: 77/80 #4: 76/80
				Magneto timing checked. Spark plugs rotated and cleaned.
				Run-up and leak test good.

YEAR 20 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT TSMO	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/2/20	87.8	87.8		Changed Air Filter Bradnett Aero BA-5705 Exp. 2/24
	Britton Ellington		#40560525	
MAY 13 2020	96.4	96.4		Remove Cowling FOR ANNUAL/100hr Inspection. Clean And Rotate Spark Plugs Compression As Follows #1 74/80 #2 78/80 #3 74/80 #4 70/80. I Certify This Engine has Been Inspected I/A/W ANNUAL/100hr Inspection. And Found to Be In Airworthy Condition at This Time.
			A/P	Thomas Edward Hart 2805149-EA

YEAR 20 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT TSMO	TOTAL TIME IN SERVICE TT	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
01/05/20	87.4	87.4		oil & filter changed. 6.5 qts Phillips XC ~~10~~ 50 and filter Tempest AA48103-2. Run-up ~~filter~~ and leak checked good.
	Britton Ellington/Pilot			
	B E ~ #	4056525		
07/05/20	124.8	124.8		oil & filter changed 6.5 quarts Aeroshell 15W50 and Tempest filter AA48103-2. Run-up/leak checked good. Oil analysis conducted. no abormal
	Britton Ellington/Pilot			
	B E ~ #	4056525		
11/5/20	155.5	155.5		oil & filter changed 6.5 quarts Phillips XC ~~15~~ 50 and Tempest AA48103-2. Cleaned all spark plugs. Run-up and leak checked.
	Britton Ellington/Pilot			
	B E ~ #	4056525		

YEAR 20 21 DATE	RECORDING TACH TIME	~~TODAY'S FLIGHT~~ TSMOH	TOTAL TIME IN SERVICE	**Description of Inspections, Tests, Repairs and Alterations** Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1/14/21	200.5 Britton	200.5 Ellington/Pilot #40565525		Oil & filter changed. 6.5 qts Phillips XC 20-50 and Tempest oil filter part #48103-2. Added 16 oz Camguard Aviation IAW directions. Run-up and leak checked good. * oil analysis conducted during oil change. Spark plugs cleaned and rotated.