

N182EF



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Continental O-470-U SN: 467211 / PPA O-470-50 SN: 3117

Modified under P Ponk Aviation STC SE4985NM

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours



YEAR 20	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
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12-20-2018 Cont. O-470-U SN: 467211
PPA O-470-50 SN: 3117

Total Time: 4174.8
SMOH: 0.0
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P. Ponk Aviation WO# 18-18

Total time carried forward from previous log book. The engine was disassembled, cleaned, visually inspected & dimensionally checked. It was modified to a model PPA O-470-50 under STC #SE4985NM and PPA data plate SN: 3117 was installed. See 337 dated this day.

The engine was reassembled with the following parts:

Case SN: E16931ORS, cleaned, zyglo inspected, and align bored per Nickson's Machine WO# 44377.

Crankshaft PN: 643911 SN: B805 repaired, magnaflux and ultrasonic inspected per AEA WO# 190380.

Counterweights, (2) PN: 639195 and (2) PN: 639196 magnafluxed, rebushed and inspected per Romans WO# 52990.

Crankshaft Gear PN: 536421, inspected under Kenmore Air Harbor WO# 45906.

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Camshaft PN: SA535661, SN: 37372 **Factory New 0.0 Hrs.**

Camshaft Gear PN: 656818 **Factory New 0.0 Hrs.**

Rods magnafluxed, rebushed and inspected per AEA WO# 189980.

Rocker Arms magnafluxed, rebushed and inspected per Romans WO# 53032.
One piece bushings installed.

CMI Nickel Cylinder Assemblies, PN: EQ7558 **Factory New 0.0 Hrs.**
Serial Numbers: #1 AC16HB748 #2 AC17HB276 #3 AC17EA374
#4 AC13JA802 #5 AC17CA871 #6 AC16LC040

Starter Shaft PN: 539568 inspected under Kenmore Air Harbor WO# 45906.

Oil Pump PN: 632562, standard, late style, repaired and inspected by Skyboss Aviation.

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20	TACH	FLIGHT	TIME IN	Entries must be endorsed with Name, Rating and Certificate Number of Technician or
	TIME		SERVICE	
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Canadian Aero Manufacturing Starter Clutch Spring PN: CAM539800 installed under Parts Design Approval (PDA) Number PDA01-11. See 337 dated this day.

(Additional gears and steel parts were also magnaflux inspected.)

The following parts are new:

24	24802	Valve Key
8	350998	Bushing, Crankshaft
6	35971	Retainer, Valve
1	401950	Stud
1	502287-3	Snap Ring
6	530658	Bushing, Rod
1	534685AC	Bearing Cover Plate
1	534715	Snap Ring
1	536563	Dowel, Crankshaft

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
12-20-2018		Cont. O-470-U SN: 467211 PPA O-470-50 SN: 3117		Total Time: 4174.8 SMOH: 0.0 Page 4 of 9
12	537296			Push Rod Housing
1	539547-31.19			Alternator Belt
12	625393			Valve Spring Retainer
1	625966			Washer
1	626334			Plug
1	627496			Gasket
2	629163-5		Clamp	
6	630046			Pin, Piston
1	630628			Balance Tube
4	634511			Nut
16	639193			Bushing CTWT
1	641368AC			Bearing
4	646297			Plate 7th Stud
2	646298			"L" Brackets
6	646563A			Gasket Set
6	646985			Valve Seal
6	652112			Rotocoil

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12	652984	Rocker Shaft
12	653309	Washer
12	654441	Spring, Valve
12	654442	Spring, Valve
6	654840	Piston
4	655269	Magneto Bushing
6	655372	Piston Oil Cooling Nozzle
6	655528	Gasket, Rocker Box
6	655771	Valve, Exhaust
6	655868	Valve, Intake
1	656818	Camshaft Gear
6	656990	Screw
48	AN500-416-12	Screw, Rocker Box
1	CAM539800	Starter Spring
16	CHC5236061	Hose Clamp
6	CN110	Ring Set

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24	MS20500-428	Nut, Exhaust
2	MS21919WDG10	Clamp
12	MS24665-229	Cotter Pin
1	MS29561-113	O-Ring
3	MS35756-8	Starter Cam Key
12	MS90725-12	Bolt
48	MS9549-17	Washer, Push Rod
6	PTF-10B	Hex Plug
1	SA501867	Washer
12	SA520129	Bushing, Rocker Arm
36	SA531001	Nut, Cylinder
1	SA534740	Gasket
4	SA537019	Camshaft Screw
1	SA537721	Needle Bearing
12	SA628109	Nut, Rod
12	SA628488	Lifter, Standard Flow

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
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16	SA629104	Lock Ring
12	SA629340	Bolt, Rod
12	SA630826M10	Bearing
1	SA633570-A7	Gasket Set
1	SA641250	Nose Seal
2	SA641361	Nose Seal Retainer
4	SA643626-101	Pin, CTWT
2	SA643626-103	Pin, CTWT
2	SA643626-104	Pin, CTWT
16	SA643629	Plate, CTWT
1	SA646590-A1M10	Bearing Set
12	SA652541	Nut
12	URHB32E	Spark Plug
1	X13041AC	Bearing

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The following new or reconditioned accessories were installed:

Bendix Magnetos PN: S6RN-1225

SN: D049608F RH overhauled per Aircraft Magneto Service WO# 18915

SN: D039620F LH overhauled per Aircraft Magneto Service WO# 18916

Harness PN: KA11740 **Factory New 0.0 Hrs.**

Oil Cooler PN: 639171, SN: J18-64831-1 overhauled and inspected per Positech WO# 72051.

Skytech 12V Starter PN: C12ST5, SN: H-S103564 **Factory New 0.0 Hrs.**

All work was accomplished in accordance with Teledyne Continental Motors O-470 Series Engine Overhaul Manual Number X30586A, Teledyne Continental Motors IO-520 Series Engine Overhaul Manual #X30039A, and PPA O-470-50 Engine Report No. 2, Revision D. See listing of applicable AD Notes complied with at this time.

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.)
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12-20-2018

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The engine was run with Aeroshell 100 Mineral Oil, and was inspected for defects and oil leaks.

Installation on airframe not included. Installation of engine, additional accessories, (including MA4-5 carburetor modified for use with this engine under STC SE4985NM), baffling, engine oil, and engine break-in per Continental Service Bulletin M89-7 "Start-up and Break-In Procedure" and P. Ponk Engine Break-In Procedure EBP-003 must be accomplished to complete this overhaul.

Continuing Maintenance:

Maintain this engine in accordance with P Ponk Service Information Letter SIL001.

David A. Withstandley A&P [REDACTED] IA [REDACTED]

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YE
20____
DA

9/4/18

YE
20
DA

N182EF NEW TACH TIME "0"

TTIS 4174.8

Feb 15, 2019

Installed this engine Cont O-470-U Ser#467211 onto a Cessna 182 N182EF
Installed a new Champion oil filter CH48110-1 and 9 quarts of Phillips 20w50
break-in oil. Test ran the engine and checked for leaks. Returned to service.

Jon Smalldridge A&P [REDACTED]

Continental O-470-50 ser#: 3117 Tach: 048.93 TTIS: 4223.73 TSMOH: 048.93 05-05-2019

I certify that this engine has been inspected in conjunction with an Annual Inspection Procedure per Title 14
CFR part 43 appendix D and was determined to be in airworthy condition.

Leon D. Borden A&P [REDACTED]

9/4/2019 100 TACH OIL change 100W 10 WTS, FILTER JUS
SUPERCHARGER FLOW 2.507 change.

[illegible]