



AIRFRAME MAINTENANCE RECORDS

Log No. 1-AD

Aircraft Registration No. N8718X

Aircraft Mfg. CESSNA Model 182 D Serial No. 18253118

Engine Mfg. Continental Model 0470-L Serial No. 81512-0-L-4

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. McCAULEY Model 2A34C203-B Serial No. _____

Hub Design No. _____ Hub Serial No. 900027

Blade Design No. G 90DCA-8 Blade Serial No's. JL012 and JL039

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



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Premier Aircraft, 1000 NW Perimeter Way, Troutdale, OR 97060-9524 503-661-4184

Manufacturer Continental Total Time 2798.1 Date 01/11/2005
Model Number O-470-R (25) TSMO 0.0 WO Number 09122
Serial Number 226892-R Tach Time 1650.1

This engine was overhauled in accordance with Continental Manual X30586A. Installed new ECi Titan Cerminil cylinder assemblies. Installed a new Continental camshaft and hydraulic lifters. Installed a one piece oil pump / filter adapter. Installed a new Slick harness. Installed new Slick spark plugs. See following list of parts installed. Engine was run on a test stand. Installed a new Champion oil filter.

Accessories

Description	Model Number	Part Number	Serial Number	Condition
Left magneto	-	6310	04112020	0.0 hours since new.
Right magneto	-	6310	04112023	0.0 hours since new.
Carburetor	MA-4-5	10-4893-1	W5280	0.0 hours since factory rebuilt.
Starter	-	MCL-6501	4H000087	0.0 hours since overhaul.
Oil cooler	-	8531835	628	0.0 hours since overhaul.

Service Information

Service Bulletin	Subject	Compliance
M90-17	Crankcase inspection	The crankcase was inspected.
M91-10R1	Oil pick up tube	N/A by engine serial number.
M91-4	Start up lubrication	Lubricated the camshaft and lifters with Molykote G-n.
M92-6	Rocker shafts	Installed solid rocker shafts. Torqued bolts 90-100 inch pounds.
M92-9	Thru bolt torque	Installed 12pt nuts. Torqued 790-810 inch pounds.
MSB93-12	Valve keepers	N/A by cylinder manufacturer.
M93-8	Roto coil clearance	Rocker arm to rotocoil clearance exceeds .020".
SIL94-10	Intake valve retainers	The intake valves have solid valve retainers.
SB94-8A	Magneto timing	Correctly timed the magnetos.
MSB96-10	Ultrasound inspection	The crankshaft was ultrasound inspected.
SB96-3B	Bolt inspection	Inspected the crankshaft bolts.
SB96-7B	Torque limits	Used the correct torque limits.
CSB97-10A	Piston pin plug wear	N/A by cylinder manufacturer.
CSB98-1B	Valve inspection	N/A by cylinder manufacturer.
CSB99-3C	Crankshaft inspection	N/A by the crankshaft serial number and the date of last factory work.
SB00-3	Crank, ctw's & rods	Inspected the crankshaft, counterweights and connecting rods.
MSB00-5D	Crankshaft inspection	N/A by the crankshaft serial number.

Airworthiness Directives

Carburetor

AD Note	Amend #	Dated	R	Subject	Compliance
63-22-03	636	12/02/1963	N	Two-piece venturi	A factory rebuilt carburetor with a one-piece venturi was installed.
69-24-03	39-881	11/29/1969	N	Metering passages	N/A by carburetor serial number.
72-06-05	39-5338	07/03/1986	N	Throttle arm	N/A. Serrated style installed.
73-13-04	39-1651	06/20/1973	N	Drain plug leakage	Installed a factory rebuilt carburetor.
89-04-02	39-6109	03/08/1989	N	Throttle jamming	N/A by carburetor serial number.

Engine

56-06-01		07/01/1956	N	Piston pins	Installed new part number 539467 piston pins.
63-15-01	39-903	12/31/1969	N	Exhaust valves	N/A by the cylinder manufacturer.
79-05-09	39-3426	03/12/1979	N	Oil pressure relief valve	N/A by relief valve part number.
85-08-02	39-5029	04/15/1985	N	Valve & guide	N/A by cylinder manufacturer
88-03-06	39-5888	04/15/1988	N	TCM oil filter	N/A. A TCM oil filter was not installed at this time.
91-19-03	39-8030	09/29/1991	N	Champion oil filter	N/A by the date code of the oil filter installed at this time.
93-08-17	39-8565	08/23/1993	N	Oil pick up tube	N/A by engine serial number.
93-10-02	39-8603	08/12/1993	N	Valve retainers	N/A by cylinder manufacturer.
95-21-15	39-9402	11/28/1995	N	Detonation	N/A by aircraft registration number.
96-12-04	39-9646	08/12/1996	N	SA626992 Pistons	N/A. Part Number SA626992 pistons are not installed.
97-21-02	39-10155	10/27/1997	N	Piston side loading	N/A by cylinder manufacturer.
98-01-08	LETTER	01/15/1998	N	Roller rocker arm	N/A. Roller rocker arms are not installed.
98-17-11	39-10713	10/19/1998	N	Nelson crankshafts	N/A. Nelson did not repair this crankshaft.
99-19-01	39-11290	09/30/1999	N	Crankshaft inspection	N/A by crankshaft serial number and date of last factory work.

Continued on the next page.

Continued from the previous page.

Airworthiness Directives

Engine

AD Note	Amend #	Dated	R	Subject	Compliance
2000-23-21	39-11994	12/12/2000	N	Crankshaft inspection	The crankshaft in this engine is not affected by engine or crankshaft serial number per Service Bulletin MSB00-5D.

Oil Filter Adapter

96-12-22	39-9665	07/31/1996	Y	Oil filter adapter	An oil pump housing with a built in oil filter adapter was installed.
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AD Note requires no further inspection.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 09122.

Date: 01/11/2005 Signed _____ Inspector for Premier Aircraft RS JZYR537L.

List of Parts Installed for Work Order No.: 09122

Qty	Part Number	Description	Qty	Part Number	Description
1.0	10-4893-1	Carburetor	1.0	653631	Crankshaft Gear
		S/N: W5280	12.0	654487	Rod Nut
6.0	21007	Stud	4.0	654588	Bolt
4.0	350998	Crankshaft Bushing	1.0	655123	Oil Pump Housing
1.0	501867	Lock Tab	4.0	655269	Rubber Magneto Drive Bushing
6.0	530658	Rod Bushing	12.0	655960	Rod Bolt
1.0	534685	Bearing	1.0	AN5-11A	Bolt
1.0	535823	Rubber Gasket	1.0	CAM539568	Starter Adapter Shaftgear
6.0	536379	Bolt			S/N: 02-351-5
1.0	536552	Spring	1.0	CAM539800	Starter Adapter Clutch Spring
1.0	537721	Bearing			S/N: M1229-45
6.0	539467	Piston Pin	1.0	CH48108-1	Oil Filter
8.0	629104	Snap Ring	1.0	EQ6995	Cam & Lifter Kit
1.0	629163-5	Clamp			655384 Camshaft, S/N: Z04GA216
1.0	630626	Balance Tube	1.0	M2381	Harness
12.0	630826	Rod Bearing	24.0	MS20500-428	Nut
1.0	6310	Magneto	1.0	MS21919WDG8	Clamp
		S/N: 04112020	3.0	MS35756-8	Woodruff Key
1.0	6310	Magneto	6.0	SA520129	Rocker Bushing
		S/N: 04112023	1.0	SA537401A3	Main Bearing Set
1.0	631928	Hose	1.0	TISN68.0ACA	Titan Nickel Complete Assembly
1.0	634150	Oil Pressure Spring			S/N: 17916-29
4.0	634511	6pt Nut	1.0	TISN68.0ACA	Titan Nickel Complete Assembly
8.0	639193	Counterweight Bushing			S/N: 17832-5
1.0	641250	Crankshaft Seal	1.0	TISN68.0ACA	Titan Nickel Complete Assembly
1.0	641368	Bearing			S/N: 18298-16
1.0	641931-9.81	Thru Bolt	1.0	TISN68.0ACA	Titan Nickel Complete Assembly
10.0	642917-1	Intake Hose			S/N: 18298-2
2.0	643626-101	Counterweight Pin	1.0	TISN68.0ACA	Titan Nickel Complete Assembly
2.0	643626-104	Counterweight Pin			S/N: 18124-23
8.0	643629	Counterweight Plate	1.0	TISN68.0ACA	Titan Nickel Complete Assembly
1.0	646546A1	Gasket Set			S/N: 17916-18
6.0	652129	Rocker Arm Bushing	12.0	URHB40E	Spark Plug
1.0	652451-8P030	Pushrod	1.0	X13041	Bearing
12.0	652541	12 Point Base Nut			

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Manufacturer Continental Total Time 2798.1 Date 01/11/2005
Model Number O-470-R (25) TSMO 0.0 WO Number 09122
Serial Number 226892-R Tach Time 1650.1

Engine was reinstalled in Cessna 182K, S/N 18258218, N2518R. Serviced with Phillips 20W50 Type M - mineral oil.

The article identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service in respect to the work that was accomplished. Pertinent details of the repair are on file at this Repair Station under Work Order Number 09122.

Date: 01/11/2005 Signed _____ Inspector for Premier Aircraft RS JZYR537L.

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
06/05/2012	C-182D	N8718X:		Current Tach: 2168.2 Engine TT: 3326.1 SMOH: "0" This engine (Continental O-470-R SN: 226892-R) was disassembled, inspected and overhauled per the following: Work accomplished by Mid Valley Aviation Inc: All six cylinders, both left and right magnetos and starter adapter were repaired in accordance with O/H Manual and current FAA regulations. See W.O. 3560 dated 12/10/2012. And as indicated below: Mid Valley Aviation 1000 Airport Road Los Banos, CA.93635 209-826-5677 W/O 3555 Date 01/28/12 The following parts have been cleaned and inspected by Liquid Penetrant Inspection: (1)Crankcase, (2) Oil pump housings, (1) Tachometer housing, (1) Oil pressure relief housing, (2)Accessory adapters, (1) Cover plate, (4) Support mounts, (6) Rocker covers, (8) Intake pipes, (1) Balance tube. The following parts have been cleaned and inspected by Magnetic Particle Inspection: (6) Connecting rods, (12) Rocker arms, (1) Camshaft gear, (2) Governor drive gears, (1) Idle gear, (1) Idle gear shaft, (1) Crankshaft gear (2) Oil pump gears, (12) Rocker shafts, (2) Magneto drive gears, (1) Tachometer shaft and gears, (1) Camshaft (Camshaft rejected due to rust pits). These inspections were performed in accordance with Continental Engine Overhaul Manual instructions and current FAA Regulations, standard practice for Magnetic Particle Examination SE-709 (they were found to be free of cracks) and testing for Florescent Penetrant Examination SE-1209 (they were found to be free of cracks). [Signature] [Signature] for Mid Valley Aviation A&P [Signature] IA NDT Inspector Level II

Work accomplished by Aircraft Specialties Services, INC: Crankshaft was inspected and repaired in accordance with Continental MSB 96-10A. See ASSI W.O. 209971 dated 12/28/2011. Rods and mains standard. All lifters were overhauled in accordance with A.S.S.I. Procedure 2002-1. See W.O.210422 dated 01/11/2012. Camshaft was reconditioned and repaired in accordance with A.S.S.I. FAA approved data and procedures. See W.O. 210986 dated 02/13/2012. Engine was assembled with all new bearings and gaskets and seals in accordance with Continental O-470 Overhaul Manual.

[Signature]
Robert C. Casteel A & P Mechanic [Signature]

10/13/12	35.2	2168.0	135 oil change on New Engine 100W oil + Filter Change (35.2)
3/24/13	64.3	2232.1	29.1 Hrs. Oil Change (30W) Camgaurd + Filter 20/50W
8/25/13	107.6	2275.4	43.3 Hrs. Oil Change (30W) Camgaurd + Filter 20/50W
5/18/14	139.2	2307.0	31.6 Hrs. 20-50, Spark plugs, No. 1 & 2 exhaust light plugged.
1/4/15	212.0	2379.8	72.8 on TACH. 20-50 Spark plugs change Filter + Camgaurd
10/10/15	267.2	2435.0	55.2 Oil Change Phillips 100W + Filter + Camgaurd.
8/13/16	344.2	2512.5	Phillips 20W-50 + Engine Inspection Added Camgaurd 10 QUARTS

Date	Total Time In Service	Time Since Major Overhaul	Tach or Hobbs Meter Time	Description of work performed including the signature and certificate number of the person/facility performing the work.
12/17/13	3458.1	132.4	2300.2	Full Throttle Aviation 2399 Rickenbacker Way Auburn CA, 95602 530-820-3757 29 December 2013 MODEL 6310 S#04112020 MODEL 6310 S#04112023 Repaired and tested magnetos per manual L-1363E, Magnetos tested on test stand for functionality Ash Vidal [Signature] AP [Signature]
02/01/2014	@ 07:00Hrs.	C-182D	N8718X:	Current Tach: 2300.2 Engine TT: 3458.1 SMOH: 132 Compression checked as follows :1.78/80 2.78/80 3.72/80 4.76/80. 5.78/80 6.78/80. I certify that this engine has been inspected in accordance with an annual inspection as per FAR 43 Appendix D and was determined to be in airworthy condition at this time and date only. No warranty implied beyond this time and date. [Signature] Robert C. Casteel A & P Mechanic [Signature] IA
02/14/2015	@ 13:00Hrs.	C-182D	N8718X:	Current Tach: 2379.8 Engine TT: 3534.1 SMOH: 211.6 Compression checked as follows :1.78/80 2.78/80 3.74/80 4.78/80. 5.78/80 6.78/80. Drained engine oil and serviced with 10 quarts of Phillips 20W50 XC. I certify that this engine has been inspected in accordance with a 100 hour inspection as per FAR 43 Appendix D and was determined to be in airworthy condition at this time and date only. No warranty implied beyond this time and date. [Signature] Robert C. Casteel A & P Mechanic [Signature] IA
02/20/2016	@ 16:00Hrs.	C-182D	N8718X:	Current Tach: 2462.6 Engine TT: 3616.9 SMOH: 294.4 Accomplished compression test in accordance with Continental SB03-3. Checked as follows :1.72/80 2.78/80 3.62/80 4.78/80. 5.74/80 6.78/80. Drained engine oil and serviced with 10 quarts Aero Shell 100 and one pint Camgaurd. Replaced oil filter with Tempest AA48108-2. Checked torque on all intake and exhaust studs. Removed, cleaned, gapped, rotated and reinstalled spark plugs. Checked timing at 22 BTDC. I certify that this engine has been inspected in accordance with a 100 hour inspection as per FAR 43 Appendix D and was determined to be in airworthy condition at this time and date only. No warranty implied beyond this time and date. [Signature] Robert C. Casteel A & P Mechanic [Signature] IA

PROPELLER MAINTENANCE RECORDS

DATE _____
 TOTAL _____
 THIS THAT THIS
 INSPECTED IN ACCORDANCE WITH A
 INSPECTION AND WAS DETERMINED TO BE IN
 AN AIRWORTHY CONDITION
 SIGNED: _____
 A & P

Log No. 1-AD

Aircraft Registration No. N 8718X

Propeller Manufacturer McCAULEY

Hub Model 2A34C203-B

Blade Design No. G-90DCA-8

Hub Serial No. 900027

Blade Serial No's.

1. 54012
2. 54013
3. _____
4. _____

Pitch Range:

High _____ Low _____

Feather _____ Reverse _____

Governor Manufacturer _____

Model No. _____

Serial No. _____

Date installed on aircraft 11/17/90 TACH TIME 1395.8

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- ☐ Right ☐ Left
☐ Front ☐ Rear

(All applicable information must be filled in)



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☐ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: <u>2012</u>	Total Time in Service	Description
Date: <u>05/18</u>		
Next Inspection Due:	Time Since Overhaul <u>0.0</u>	
Mech. Cert. # or Repair Station # _____		

06/05/2012 C-182D N8718X:

Current Tach: 2168.2 Propeller TT: 829 SMOH: "0"

This propeller was overhauled by Sullivan Propeller Specialist and reinstalled. See W.O. 8639 dated 05/18/2012.

[Signature]
Robert C. Casteel A & P Mechanic [Redacted] IA

02/14/2015 @ 13:00Hrs. C-182D N8718X:

Current Tach: 2379.8 Propeller TT: 1040.6 SMOH: 211.6

I certify that this propeller has been inspected in accordance with an a 100 hour inspection and was determined to be in airworthy condition at this time and date only. No warranty to future condition.

[Signature]
Robert C. Casteel A & P Mechanic [Redacted] IA

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS ☐

Yes	Total Time	
Date: <u>02/01/2014</u>	@ 07:00Hrs. C-182D N8718X:	
Current Tach: <u>2300.2</u>	Propeller TT: <u>961</u>	SMOH: <u>132</u>
I certify that this propeller has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time and date only. No warranty to future condition.		

[Signature]
Robert C. Casteel A & P Mechanic [Redacted] IA

02/20/2016 @ 16:00Hrs. C-182D N8718X:

Current Tach: 2462.6 Propeller TT: 1123.4 SMOH: 294.4

I certify that this propeller has been inspected in accordance with an a 100 hour inspection and was determined to be in airworthy condition at this time and date only. No warranty to future condition.

[Signature]
Robert C. Casteel A & P Mechanic [Redacted] IA

Date:		
Next Inspection Due:	Time Since Overhaul	
Mech. Cert. # or Repair Station # _____		