

ENGINE MAINTENANCE RECORDS



WESTERN
Skyways
INC.

Engines Are Our ONLY Business

21 CREATIVE PL. • MONTROSE, CO 81401
(970) 249-0232 • 800-575-9929 • FAX (970) 249-4155

DATE

TACH OR
RECORDING
METER
TIME

DESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
www.westernskyways.com

(800) 675-9929
(970) 249-0282
FAX: (970) 249-4156

Engine Make: CONTINENTAL Model: O-470-R
Serial Number: 226933 W/O No: 0024362 Date: 03/11/10
Warranty Number: C10060 Warranty Start Date: 03/10
Crankshaft Serial No: 632 Cylinder Part Number: FRST68ACA

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: X30586A See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 2961.60 Hrs.

This engine meets requirements of CONTINENTAL SIL98-9A for 1500.0 Hour TBO.

The accessories listed below were New or Overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	10-500556-1	D02FA073	Vac Pump:	N/A	N/A
R/H Mag:	10-500556-1	D04FA019	Wastegate:	N/A	N/A
Fuel Pump:	N/A	N/A	Alt/Gen:	N/A	N/A
Inj/Carb:	10-4893-1	CL-0-250	Pop Off.:	N/A	N/A
Man Valve:	N/A	N/A	Controller:	N/A	N/A
Starter:	646238	A901164	VAPC:	N/A	N/A
Turbo:	N/A	N/A	Fuel Limiter:	N/A	N/A
			Tach Gen-:	N/A	N/A
			Hyd Pump:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: 
Repair Station No. WS9R575J

Form 200 Rev 1

Cylinder S/N	Cylinder S/N
64095-02	64485-01
64485-07	64485-09
66203-03	65496-04

COULTER AVIATION
P.O. Box A, MEEKER, CO. 81641 (970) 878-5045

March 21, 2010 Tach 1974.3 Aircraft total time in service 4135.3 1966 Cessna 182J N3471F Serial Number 182-57471
Continental Engine Model O-470-R, Serial Number 226933
McCaughey Propeller Model 2A34C66-P/S90 AT-8, Serial Number 930470, Blade Serial Numbers, #1—MH097 YSC, #2 MH099 YSC

100 HOUR INSPECTION was in accordance with FAA Part 43, Appendix D, and CESSNA SERVICE MANUAL No. D535-13.
Removed propeller from O-470-R engine, serial number 132863-6-R.

Removed Continental Engine Model O-470-R, Serial Number 132863-6-R, from Cessna 182J, S/N 182-57471, N3471F.
Electrical wiring, electrical components and fuel lines on firewall was inspected for air worthy condition and repaired as necessary.
Aircraft firewall was inspected for damage and cleaned.

Installed 1 rebuilt engine mount P/N 0751600-11 on aircraft.
Installed a Western Skyways, Inc major overhauled Continental Engine Model O-470-R, serial number 226933, in Cessna 182J, S/N 182-57471.

Propeller was reinstalled on this Cessna 182J, N3471F, Serial Number 182-57471 using 1 new P/N 1633-3 o-ring. See propeller log book entry.

Engine was installed using 4 new P/N J6545-1 vibration dampener sets, 4 new P/N 08515591 lock washers, and 4 bonding straps. Engine was inspected in accordance with Cessna's recommended inspection guide in Cessna Service Manual Number D2001-13.

Fabricate 4 new engine mount heat shields and installed using 8 new QS100 clamps.

Made up and installed a new 14 1/2", P/N SF111-8 fuel hose, fuel strainer to carburetor.
Made up and installed a 47", P/N SF111-4 oil pressure hose, with 18" P/N AE102-10 fire sleeve, firewall to engine. Secured with 2 DG-7 Adel clamps.

Installed 8" new Mil-6000-10 hose, engine breather.
All engine baffle was repaired as necessary. Cleaned, repaired and painted all baffle with white epoxy. Installed 456 square inches of new pressure baffle seal using aluminum backing strips and 91 rivets.

Installed 1 new P/N S6250 oil quick drain.

Installed 4 new P/N J9534-20 alternator mounts.

Installed 1 rebuilt alternator P/N JOFF10300J-R-1.

Installed 1 new P/N 539547-31.19 alternator drive belt.

Installed left and right magneto and timed to engine.

Installed a new ignition harness and secured with Adel clamps and miscellaneous tie wraps as required.

Installed 8 new misc. P/N MS35489-15 grommets in baffle for ignition harness and hoses as required.
Installed serviceable oil pan heater.

Original Scat air duct was serviceable and installed. Fabricate 4 new engine mount heat shields.
Installed exhaust system, visually inspected and pressure tested. Fabricated and installed 6 heat shields for intake hoses.
Filled engine with 11 quarts of Phillips 20 x 50 oil.

Miscellaneous hardware, cleaners, adhesives and shop supplies were used for engine installation.
Engine break-in was in accordance with ECI break-in instructions # M9-19-104-(01/29/01).

Run engine for 3 minutes, 3 times after a complete cool down each run, and inspected for oil leaks, magneto operation, vacuum system and engine instrument operation after each run. Adjusted idle mixture, idle RPM and maximum RPM. Checked magneto operation and ignition switch operation in accordance with AD 76-07-12.

Aircraft was test flown and engine operation was referenced from Continental engine operation manual Form X30041, dated Sept. 1980.
Engine was inspected for condition after flight.

I certify that this ENGINE has been inspected in accordance with a 100 HOUR INSPECTION and was determined to be in airworthy condition. Aircraft is returned to service.

Lance A. Coulter

Signature



Certificate Number A&P 521944899

COULTER AVIATION
P.O. Box A, MEEKER, CO. 81641 (970) 878-5045

April 12, 2010, Tach 1986.0 1966 Cessna 182J N3471F Serial Number 182-57471
Continental Engine Model O-470-R, Serial Number 226933
McCaughey Propeller Model 2A34C203-B/G-90DCA-8 Serial Number 902090, Blade Serial Numbers #1-KF084, #2 KF090

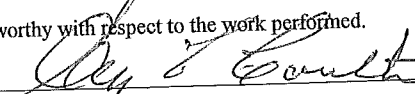
10 hour inspection.

Drained oil and filled with 10 quarts of Phillips XC oil.
Cleaned and inspected oil screen. Installed using 1 new P/N AN900-29 gasket.
Inspection engine, engine mounting and accessories.
Washed engine and engine compartment.

I certify that this aircraft is airworthy with respect to the work performed.

Gary C. Coulter

Signature



Certificate Number 2155778 IA

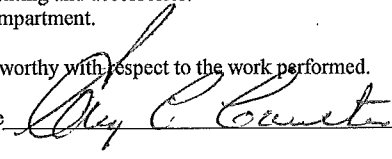
COULTER AVIATION

P.O. Box A, MEEKER, CO. 81641 (970) 878-5045

July 22, 2010, Tach 2045.2 1966 Cessna 182J N3471F Serial Number 182-57471
Continental Engine Model O-470-R, Serial Number 226933
McCaughey Propeller Model 2A34C203-B/G-90DCA-8 Serial Number 902090, Blade Serial Numbers #1-KF084, #2 KF090

Drained oil and filled with 10 quarts of Phillips XC oil.
Cleaned and inspected oil screen. Installed using 1 new P/N AN900-28 gasket.
Tightened Alternator drive belt.
Inspection engine, engine mounting and accessories.
Washed engine and engine compartment.

I certify that this aircraft is airworthy with respect to the work performed.

Gary C. Coulter Signature  Certificate Number 2155778 IA

COULTER AVIATION

P.O. Box A, MEEKER, CO. 81641 (970) 878-5045

September 22, 2010, Tach 2097.8 1966 Cessna 182J N3471F Serial Number 182-57471
Continental Engine Model O-470-R, Serial Number 226933
McCaughey Propeller Model 2A34C203-B/G-90DCA-8 Serial Number 902090, Blade Serial Numbers #1-KF084, #2 KF090

Drained oil and filled with 10 quarts of Phillips XC oil.
Cleaned and inspected oil screen. Installed using 1 new P/N AN900-28 gasket.
Inspection engine, engine mounting and accessories.
Washed engine and engine compartment.

I certify that this aircraft is airworthy with respect to the work performed.

Gary C. Coulter Signature  Certificate Number 2155778 IA

COULTER AVIATION

P.O. Box A, MEEKER, CO. 81641 (970) 878-5045

April 25, 2011 Tach 2167.6 Aircraft total time in service 4135.3 1966 Cessna 182J N3471F Serial Number 182-57471
Continental Engine Model O-470-R Serial Number 226933-R
McCaughey Propeller Model 2A34C203-B/G-90DCA-8 Serial Number 902090, Blade Serial Numbers #1-KF084, #2 KF090

100 HOUR INSPECTION was in accordance with FAA Part 43, Appendix D, and CESSNA SERVICE MANUAL No. D535-13.

Drained oil and filled with 10 quarts of Phillips 20 x 50 oil.
Cleaned and inspected oil screen. Installed using 1 new P/N AN900-28 crush washer.
Compression #1-78/80, #2-76/80, #3-74/80, #4-78/80, #5-78/80, #6 76/80.
Cleaned, inspected and gapped all spark plugs.. Installed spark plugs by rotation and using 11 P/N M674 washers..
Timed both magnetos to engine.
Cleaned primer nozzles.
Cleaned and inspected finger screen in carburetor. Installed using 1 new P/N CF16-A48 gasket.
Inspected entire exhaust system by visual inspection and pressure testing.
Inspected condition of engine, engine compartment and wiring.
Run engine and inspected for oil leaks and engine instrument operation. Complied with AD 76-07-12 by inspection and operation of ignition switch.
Washed engine, engine compartment and cowling.
Researched Airworthiness Directives and complied with applicable AD's for engine.
Engine total time since new 3154.9 Left Magneto overhaul due tach 3974.3
Engine total time since major overhaul 0193.3 Left Magneto 500 hr. internal inspection due tach 2474.3
Date at engine overhaul 03/10 Right Magneto overhaul due tach 3974.3
Alternator 500 hr. internal inspection due tach 2474.3 Right Magneto 500 hr. internal inspection due tach 2474.3

I certify that this ENGINE has been inspected in accordance with a 100 HOUR INSPECTION and was determined to be in airworthy condition. Engine is returned to service.

Lance A. Coulter Signature  Certificate Number A&P 3338423