

ENGINE MAINTENANCE RECORDS



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WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

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

(800) 575-9929
(970) 249-0232
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Engine Make: CONTINENTAL Model: IO-470-CcN
Serial Number: 87801-R W/O No: W051247 Date: 10/29/15
Warranty Number: J15230 3YR WARR Warranty Start Date: 11/15
Crankshaft Serial No: B204 Cylinder Part Number: SAP SA47006L-A20P NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: X30588 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 4571.07 Hrs.

This engine meets requirements of CONTINENTAL SIL-98E 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:	6310 NEW	14110726	Vac Pump:	N/A	N/A
R/H Mag:	6310 NEW	14110804	Wastegate:	N/A	N/A
Fuel Pump:	646212-9	J107327	Alt/Gen:	N/A	N/A
Inj/Carb:	628776A5	F079109A	Press Rel Val.:	N/A	N/A
Man Valve:	631427A22	A218105CR	Pop Off:	N/A	N/A
Starter:	PL13459	1101612	VAPC:	N/A	N/A
Turbo :	N/A	N/A	Controller:	N/A	N/A
			Fuel Limiter:	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

Cylinder S/N	Cylinder S/N
#1: 476LJ152729	#5: 476LJ152739
#2: 476LJ152731	#6: 476LD152550
#3: 476LJ152737	#7: N/A
#4: 476LJ152738	#8: N/A

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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AD NOTES COMPLIANCE RECORD

Engine - Continental Motors - IO-470-CcN	87801-R	Western Skyways Inc. WS9R575J W/O: W051247
Appliance - Magnetos - Slick	S/N: 14110726 & 14110804	Model: 6310
Appliance - Cylinder assembly - Superior Air Parts	S/N: 476LJ15279, 476LJ152731, 476LJ152737, 476LJ152738, 476LJ152739, 476LD152550	P/N: SA47006L-A20P

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
70-14-07 R2	Fuel injection pump needle	10/29/15 4571.07	Verified correct needle installed.	X		Larry Flatten WS9R575J
72-20-02 R3	Cylinder assemblies	10/29/15 4571.07	Installed Superior cylinders.	X	N/A	Larry Flatten WS9R575J
74-18-05	Slick magnetos	10/29/15 4571.07	N/A per magneto model number.	X	N/A	Larry Flatten WS9R575J
79-05-09	Oil pressure relief valve	10/29/15 4571.07	Current design screw and plunger installed.	X		Larry Flatten WS9R575J
80-06-05	Slick magnetos	10/29/15 4571.07	N/A per magneto model number.	X		Larry Flatten WS9R575J
81-16-05	Slick magnetos	10/29/15 4571.07	N/A per magneto model number.	X		Larry Flatten WS9R575J
88-03-06	Oil filter	10/29/15 4571.07	N/A oil filter not supplied.	X		Larry Flatten WS9R575J
91-19-03	Champion oil filter	10/29/15 4571.07	N/A oil filter not supplied.	X		Larry Flatten WS9R575J
93-08-17	Incorrect oil pick-up tube	10/29/15 4571.07	N/A per engine model.	X		Larry Flatten WS9R575J
93-10-02	Cylinder valve retainer	10/29/15 4571.07	Installed new Superior cylinders.	X		Larry Flatten WS9R575J
95-21-15	Engine teardown and analytical inspect.	10/29/15 4571.07	Engine inspected during overhaul.	X		Larry Flatten WS9R575J
97-21-02	Cylinders and piston pins	10/29/15 4571.07	Installed new superior cylinders and pistons.	X		Larry Flatten WS9R575J
PL98-01-08	Exhaust roller rocker arms	10/29/15 4571.07	N/A roller rockers not used.	X		Larry Flatten WS9R575J
98-17-11	Crankshafts	10/29/15 4571.07	Crankshaft, S/N: B204 visual, dimensional and magnetic particle inspected.	X		Larry Flatten WS9R575J
99-19-01	Crankshaft failure	10/29/15 4571.07	N/A per crankshaft S/N: B204.	X		Larry Flatten WS9R575J

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AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
2000-23-21	Fracture of the crankshaft connecting rod journal	10/29/15 4571.07	N/A per crankshaft S/N: B204.	X		Larry Flatten WS9R575J
2007-04-19	To prevent cylinder separation that can lead to engine failure	10/29/15 4571.07	N/A per cylinder part number.	X	N/A	Larry Flatten WS9R575J
2007-04-19R1	To prevent cylinder separation that can lead to engine failure	10/29/15 4571.07	N/A per cylinder part number..	X	N/A	Larry Flatten WS9R575J
2009-19-07	Correction - To prevent loss of engine power due to cracks in the cylinder head, possible engine failure, and fire in the engine compartment	10/29/15 4571.07	Installed new Superior cylinders.	X	N/A	Larry Flatten WS9R575J
2010-11-04	To prevent excessive hydraulic lifter wear	10/29/15 4571.07	Installed lifters, P/N: 628488 & 646277.	X	N/A	Larry Flatten WS9R575J
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	10/29/15 4571.07	N/A fuel injection servo not used on this engine.	X	N/A	Larry Flatten WS9R575J

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

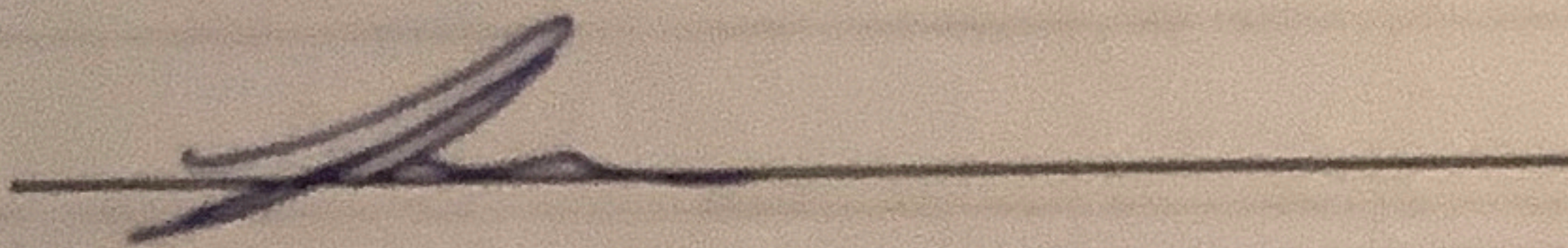
DATE TACH OR RECORDING METER TIME

Sierra Hotel Aero, Inc. 1690 Aeronca Ln, So St Paul, MN 55075
May 23, 2022 N9774Y IO-470-N SN 87801-R TT 4735.03 SMOH 164.03 TACH 5558.03

Performed compression checks result cylinder over 80, (1) 70, (2) 70, (3) 69, (4) 75 (5) 70, (6) 72. Replaced oil filter CH48108-1, Cut and inspected old oil filter element, found to be satisfactory. Serviced with 10 QTS Phillips XC 20w50. Checked magneto timing, set to 20 degrees BTC. Replaced torn Magneto gasket PN 649954. Replaced oil temp probe gasket MS35769-11. Removed and Replaced Oil Cooler 8000925 SN 807 and gaskets SA632372 (Cooler to Plate) & SA625303 (Plate to Case). Performed engine run up and checked for leaks, and found to be satisfactory.

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in an airworthy condition.

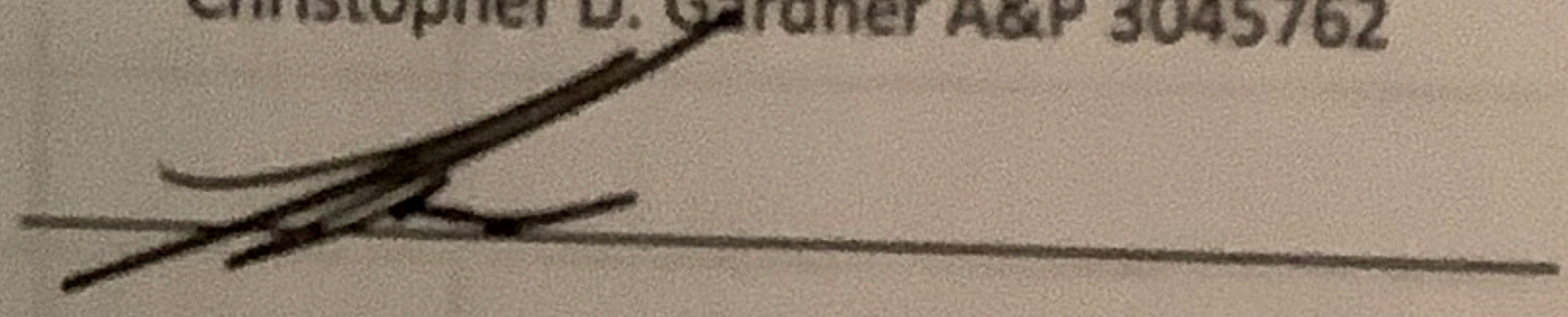
Christopher D. Gardner A&P 3045762 IA



Sierra Hotel Aero, Inc. 1690 Aeronca Ln, So St Paul, MN 55075
June 01, 2022 N9774Y S/N D-7159

Repaired 4 AWG wire M22759/16-4, spliced section forward of firewall with new Ring Terminal. Removed Alternator, replaced Bracket PN 10-9003, reinstalled alternator. Check alternator output. Run-up satisfactory

Christopher D. Gardner A&P 3045762



Sierra Hotel Aero, Inc. 1690 Aeronca Ln, So St Paul, MN 55075
June 08, 2023 N9774Y IO-470-N SN 87801-R TT 4772.60, SMOH 201.60 TACH 5589.6

Performed compression checks result cylinder over 80, (1) 70, (2) 71, (3) 68, (4) 75 (5) 72, (6) 70. Replaced oil filter CH48108-1, Cut and inspected old oil filter element, found to be satisfactory. Serviced with 10 QTS Phillips XC 20w50. Checked magneto timing, Performed engine run up and checked for leaks, and found to be satisfactory.

I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in an airworthy condition. Reference AD Report this date.

Christopher D. Gardner A&P 3045762 IA

