

# ENGINE MAINTENANCE RECORDS



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# ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N347CP

Engine Manufacturer TCM

Model T0-550-N

Serial No. 691726

Date installed on aircraft 05/07/15

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

RIGHT

LEFT

FRONT

REAR



**WESTERN**  
*Skyways*  
INC.



## ENGINE WARRANTY TRANSFER REQUEST

Current Owners Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Engine Model: \_\_\_\_\_

Engine Serial: \_\_\_\_\_

Numbers of Hours Since Installed: \_\_\_\_\_

Date of Transfer: \_\_\_\_\_

New Owner's Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Date Installed: \_\_\_\_\_

Aircraft Model/year: \_\_\_\_\_

Signature of  
Current Owner: \_\_\_\_\_



# WESTERN Skyways INC.

GOLD SEAL AIRCRAFT ENGINES

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

(800) 575-8829  
(970) 248-0282  
FAX: (970) 248-4166

Engine Make: CONTINENTAL Model: IO-550-N  
 Serial Number: 691726 W/O No: W051315 Date: 04/15/15  
 Warranty Number: D15077 Warranty Start Date: 04/15  
 Crankshaft Serial No: N08BA063 Cylinder Part Number: 658538A2BP NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: M-16 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: 1127.3 Hrs.

This engine meets requirements of CONTINENTAL SIL-98C for 2000.0 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:	10-500556-101	D09GA038	Vac Pump:	N/A	N/A
R/H Mag:	10-500556-101	D09DA147	Wastegate:	N/A	N/A
Fuel Pump:	ETI-SR22-2-12	GP5506	Alt/Gen:	N/A	N/A
Inj/Carb:	653353-8A1	A08BA217	Press Rel Val.:	N/A	N/A
Man Valve:	646433-9A4	C08BA163	Pop Off.:	N/A	N/A
Starter:	C24ST3	4C3-091501	Controller.:	N/A	N/A
Turbo :	N/A	N/A	Controller:	N/A	N/A
			Prop Gov:	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: AC15BB366	#5: AC15BA992
#2: AC15BB381	#6: AC14LB507
#3: AC15BB395	#7: N/A
#4: AC15BB401	#8: N/A

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 CRS # WS9R575J

Engine Model: IO-550-N

Serial Number: 691726

Time: 1127.3 TTE

Work Order: W051315

Date: 15 APR 2015

Installed S539800M30 starter adapter spring in accordance with Aircraft Specialties Inc. STC SE09846SC and Aircraft Specialties services Service Bulletin No.: S-2008-01, Rev. 0, or later FAA approved revision. Starter Adapter was overhauled in accordance with Continental Motors Overhaul Manual M-16 and applicable Service Information.

Signed:

Larry Flatten  
CRS# WS9R575J

FORM 201E

Page 1 of 1

**AD NOTES COMPLIANCE RECORD**

Engine - Continental Motors - IO-550-N

S/N: 691726




Western Skyways, Inc.  
CRS # WS9R57J  
W/O# W051315

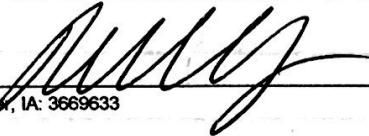
Appliance - Magnetos - TCM (formerly Bendix) S-20 series


S/N: D09GA038 &  
D09DA147


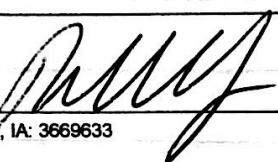
P/N: BL-500556-101  
Model # S6RSC-25P

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
74-28-09	Bendix magnetos	4/15/15 1127.3	N/A per magneto model number.	X		Larry Flatten CRS# WS9R575J
82-20-01	Bendix magnetos	4/15/15 1127.3	N/A per magneto model number.	X		Larry Flatten CRS# WS9R575J
88-03-06	Oil filter	4/15/15 1127.3	Installed oil filter P/N: AA48108-2.	X		Larry Flatten CRS# WS9R575J
91-19-03	Champion oil filter	4/15/15 1127.3	Installed oil filter P/N: AA48108-2.	X		Larry Flatten CRS# WS9R575J
93-08-17	Incorrect oil pick-up tube	4/15/15 1127.3	N/A per engine model.	X		Larry Flatten CRS# WS9R575J
93-10-02	Cylinder valve retainer	4/15/15 1127.3	N/A, installed factory new cylinders.	X		Larry Flatten CRS# WS9R575J
94-01-03 R2	Teledyne/Bendix magnetos	4/15/15 1127.3	N/A per magneto serial number.	X		Larry Flatten CRS# WS9R575J
94-06-09	Teledyne/Bendix magnetos	4/15/15 1127.3	N/A per magneto serial number.	X		Larry Flatten CRS# WS9R575J
99-19-01	Crankshaft failure	4/15/15 1127.3	N/A per crankshaft S/N: N08BA063.	X		Larry Flatten CRS# WS9R575J
2000-23-21	Fracture of the crankshaft connecting rod journal	4/15/15 1127.3	N/A per crankshaft S/N: N08BA063.	X		Larry Flatten CRS# WS9R575J
2004-08-10	Prevent loss of engine power	4/15/15 1127.3	Installed factory new cylinders.	X		Larry Flatten CRS# WS9R575J
2006-12-06	Prevent failure of the magneto impulse coupling assembly	4/15/15 1127.3	N/A per engine manufacturer.	X		Larry Flatten CRS# WS9R575J
2007-16-10	To prevent the turbine rotor from separating from the shaft of the turbocharger due to a machining defect in the turbocharger compressor	4/15/15 1127.3	N/A, turbo not supplied with engine.	X		Larry Flatten CRS# WS9R575J
2010-11-04	To prevent excessive hydraulic lifter wear	4/15/15 1127.3	N/A, installed overhauled lifters P/N: 653888 & 653877.	X		Larry Flatten CRS# WS9R575J
2012-03-08	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	4/15/15 1127.3	N/A, fuel injection servo not used on this engine.	X		Larry Flatten CRS# WS9R575J
2012-10-13	To prevent starter adapter gear shaft failure	4/15/15 1127.3	N/A starter adapter has more than 100 hours TIS.	X		Larry Flatten CRS# WS9R575J
2014-06-29	Superior Air Parts Investment Cast Cylinder Assemblies	4/15/15 1127.3	N/A per cylinder manufacture.	X		Larry Flatten CRS# WS9R575J

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		<div style="text-align: center;">  <p><b>THE OHIO STATE UNIVERSITY AIRPORT</b> 2160 West Case Road Hgr. 3 Columbus, Ohio 43235-2526 CRS# IKBR028F</p> </div> <p>Date: 05/07/15      Work Order#: AM06409      N#: N347CP                      Aircraft Make/Model: SR-22      Serial#: 3044                      Engine Make/Model: IO-550-N      Serial#: 691726                      Hour Meter: 1127.3</p> <p><b>Engine Log</b></p> <ol style="list-style-type: none"> <li>Installed this Eng. (IO-550-N S/N 691726) after Major O/H by CRS# WS9R575J under WO# W051315 IAW SR 22 AMM.</li> <li>Replaced Breather/Oil filler Assy with new P/N 649406-2 (8130-3).  <u>"Maintenance Release"</u></li> </ol> <p>The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.</p> <p style="text-align: right;">END</p> <p>Signature: <i>[Signature]</i> for CRS# IKBR028F</p>
		<div style="text-align: center;">  <p><b>THE OHIO STATE UNIVERSITY AIRPORT</b> 2160 West Case Road Hgr. 3 Columbus, Ohio 43235-2526 CRS# IKBR028F</p> </div> <p>Date: 05/08/15      Work Order#: AM06425      N#: N347CP                      Aircraft Make/Model: SR-22      Serial#: 3044                      Engine Make/Model: IO-550-N      Serial#: 691762                      Hour Meter: 1127.3      Eng. SMOH: 00.0      Engine TT: 1127.3</p> <p><b>Engine Log:</b></p> <ol style="list-style-type: none"> <li>C/d/W 100 hr. Insp. using Cirrus SR22/22T AMM Chapter 5 Inspection Guide Revision B4 dated 2/1/2013 and other current data.</li> <li>Serviced with 8 Qts. A/S W-100 mineral.</li> <li>Grd. run, LEAK Chk'd NORMAL!</li> </ol> <p>I certify that this Engine has been inspected in accordance with 100 hour inspection and was determined to be in airworthy condition. All applicable A.D.'s checked thru issue 2015-03</p> <p style="text-align: right;"><u>"Maintenance Release"</u></p> <p>The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.</p> <p style="text-align: right;">END</p> <p>Signature: <i>[Signature]</i> for CRS# IKBR028F</p>
6-10	?	<div style="text-align: center;">  <p><b>THE OHIO STATE UNIVERSITY AIRPORT</b> 2160 West Case Road Hgr. 3 Columbus, Ohio 43235-2526 CRS# IKBR028F</p> </div> <p>Date: 06/10/15      Work Order#: AM06621      N#: N347CP                      Aircraft Make/Model: SR-22      Serial#: 3044                      Engine Make/Model: IO-550-N      Serial#: 691726                      Flight Meter: 1140.4</p> <p><b>Engine Log</b></p> <ol style="list-style-type: none"> <li>Installed new Oil Filter P/N AA48108-2 (8130-3) and Serviced engine with 8qts AeroShell 100 mineral oil. Ran engine and leak check normal.</li> <li>Ran engine to normal operating temperature per TAT manual 22-6460004 Continued Airworthiness Rev. C, and TCM SID97-3E. Engine found at run up to be within normal operating limits.  <u>"Maintenance Release"</u></li> </ol> <p>The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.</p> <p style="text-align: right;">END</p> <p>Signature: <i>[Signature]</i> for CRS# IKBR028F</p>
6-28	1159.9	<p>Serviced with 6<sup>qt</sup> Shell 100 1 Pt Com Guard 1 Change oil filter                      Ran engine Leak Check Cont # 3375458</p>
8-2	1395.1 1195.2	<p>Serviced Engine with 6<sup>qt</sup> AeroShell 100 1pt Com Guard 1 Change oil filter                      Ran engine Leak Check Cont # 3375458</p>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	ENGINE MODEL: ENGINE S/N: REG. NO: N347CP WORK ORDER: 1299-07-2015	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>Lone Mountain Aircraft Maintenance</b></p> <p>2460 Greentree Road                              Hangar 12                              Lebanon, Ohio 45036                              Phone: 888-566-3686</p> </div> <div style="width: 35%;"> <p>DATE: 7/8/2015                              A/C TSN: 1171.2                              ENG TT:                              HOBBS: 1365.9</p> </div> </div> <p><b>Engine Entries</b></p> <p>(1) SID 97-3F required since engine overhaul and break in has occurred.... Adjusted both low end and high end fuel flows per TAT and Continental SID 97-3F. Idle mixture was adjusted to maintain proper RPM rise on shutdown.... (3) All exhaust slip joints need anti seize compound applied to prevent exhaust cracks... Applied anti seize to all exhaust joints to prevent cracking to exhaust components.... (5) Fuel injector line from spider to cylinder has a retention clamp that is cocked and gauging line.... Resecured clamp and protective rubber sleeve to prevent future damage to fuel injector line running from spider to cylinder #2.... (6) Fuel Spider leaking fuel, evidence of fuel on spider and crankcase above cylinders #4 and #6.... Found metered fuel test port cap installed hand tight. Resecured cap and leak checked with no defects noted.</p> <hr/> <p>DATE: 7/8/2015      SIGNED:       Work Order: 1299-07-2015                      Ryan Yenger, IA: 3669633      Printed by EBis 3 (datcomedia.com)</p>

	ENGINE MODEL: ENGINE S/N: REG. NO: N347CP WORK ORDER: 1300-07-2015	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>Lone Mountain Aircraft Maintenance</b></p> <p>2460 Greentree Road                              Hangar 12                              Lebanon, Ohio 45036                              Phone: 888-566-3686</p> </div> <div style="width: 35%;"> <p>DATE: 7/13/2015                              A/C TSN: 1173.4                              ENG TT:                              HOBBS: 1369.2</p> </div> </div> <p><b>Engine Entries</b></p> <p>(2) Manifold Air Pressure needs adjusted up 1 inch.... Adjusted manifold air pressure to maintain a 30 inch tolerance during cruise flight.</p> <hr/> <p>DATE: 7/13/2015      SIGNED:       Work Order: 1300-07-2015                      Ryan Yenger, IA: 3669633      Printed by EBis 3 (datcomedia.com)</p>
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	ENGINE MODEL: ENGINE S/N: REG. NO: N347CP WORK ORDER: 1326-09-2015	<div style="display: flex; justify-content: space-between;"> <div style="width: 20%; text-align: center;">  </div> <div style="width: 60%;"> <p><b>Lone Mountain Aircraft Maintenance</b></p> <p>2460 Greentree Road                              Hangar 12                              Lebanon, Ohio 45036                              Phone: 888-566-3686</p> </div> <div style="width: 20%;"> <p>DATE: 10/22/2015                              A/C TSN: 1222.8                              ENG TT:                              HOBBS: 1429.3</p> </div> </div> <p><b>Engine Entries</b></p> <p>(2) Check cylinder compression.... Cylinder compression are as follows #1-70, #2-71, #3-73, #4-72, #5-72, #6-73. Master orifice 44/80.... (3) Check magneto timing.... Magneto timing was set to L/H 24.2 and R/H 22.3 degrees before top dead center. Timed magnetos to 21.2 degrees BTDC.... (4) All fuel injectors need cleaned due to higher CHT's.... Removed all injectors and cleaned. Reinstalled all injectors and inspected for leaks.... (8) Oil leak on lower right hand side of engine. Appears to be coming from two pushrod housings.... Removed and reinstalled engine components necessary to remove and replace seals on both pushrod housings on #1 cylinder and pushrod housing for #3 intake. All work accomplished IAW Continental IO 550 MM and TAT MM.... (9) #3 CHT and EGT are too hot.... Removed cleaned and reinstalled #3 fuel injector, test ran engine and found temps to still be too high. GAMI suggested installing new injector that is leaner. Installed next leaner injector "C", test flew and although cooler CHT's, #3 still higher than all the rest by more than 50 degrees. Removed "C" injector and installed an "A" injector, test flew and found CHT to be within limits.... (10) Engine will not maintain manifold pressure when prop rpm is reduce from 2700 to 2500.... Adjusted Prop governor control rod and throttle control rods to maintain manifold pressure down to 2500 RPM.</p> <hr/> <p>DATE: 10/22/2015      SIGNED:       Work Order: 1326-09-2015                      Ryan Yenger, IA: 3669633      Printed by EBis 3 (datcomedia.com)</p>
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DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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ENGINE MODEL:  
ENGINE S/N:  
REG. NO: N347CP  
WORK ORDER:  
1337-10-2015

**Lone Mountain Aircraft Maintenance**  
2460 Greentree Road  
Hangar 12  
Lebanon, Ohio 45036  
Phone: 888-566-3686

DATE: 10/29/2015  
A/C TSN: 1227.1  
ENG TT:  
HOBBS: 1435.1

**Engine Entries**

(1) Absolute pressure controller does not maintain manifold pressure within manufacturers specifications.... Removed and replaced absolute pressure controller. Absolute pressure controller installed P/N 470688-5 S/N DFO105. Absolute Pressure Controller was overhauled by Main Turbo WO# 50188. Test flew to 11,000 feet to ensure Manifold Pressure maintained 29 In-Hg.

DATE: 10/29/2015

SIGNED:

Ryan Yenger, IA: 3669633

Work Order: 1337-10-2015

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11-25

Hobbs  
1445.1

1235.0 Serviced with 6 Qts Shell 100 1 Pt Camguard  
1 Champion Oil Filter Ran Engine leak ck # 3375458

ENGINE MODEL:  
ENGINE S/N:  
REG. NO: N347CP  
WORK ORDER:  
1347-12-2015

**Lone Mountain Aircraft Maintenance**  
2460 Greentree Road  
Hangar 12  
Lebanon, Ohio 45036  
Phone: 888-566-3686

DATE: 12/3/2015  
A/C TSN: 1457.4  
ENG TT:  
TACH: 1245.6

**Engine Entries**

(1) Customer reports oil leaking from engine compartment... Cleaned engine to verify origin of leak. Ran engine and inspected. Checked the torque on all oil lines and components in and around the oil filter area. Recleaned engine and test ran to verify source of oil leak. Found oil leaking around the accessory drive pad blanking plate. Retorqued associated nuts on accessory drive blanking plate. Ran engine and verified blanking plate to be the main source of oil leaking.

DATE: 12/3/2015

SIGNED:

Ryan Yenger, IA: 3669633

Work Order: 1347-12-2015

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**WESTERN Skyways INC.**

COLD SEAL AIRCRAFT ENGINES

21 Creative Pl. Montrose, CO 81401  
(970) 249-0232 800-575-9929  
Fax: (970) 249-4155  
www.westernskyways.com

Date: 6 January 2016  
Tach time: 1267.8  
Total time:  
Aircraft Model: Cirrus SR22  
#1 Engine Model: Cont IO-550-N  
Engine total time:  
#1 Prop Model:  
Prop Total time:

Reg. Number: N347CP  
Hobbs Time: 1484.0  
Work Order Number: Q030063  
Serial Number: 3044  
Serial Number: 691726  
Engine TSO:  
Serial Number:  
Prop TSO:

Troubleshoot oil leak. Check crankcase pressure per M89-9. Found pressure excessive. Disconnect breather hose and checked for obstruction. Found breather fitting at tailpipe connection plugged. Removed obstruction. Reconnected breather and rechecked pressure. Found within limits (70 MPH at full power.) Cleaned engine and leak checked. Repaired leak at oil pressure relief valve by torquing relief valve housing and resafelying.

Adjusted turbo controller for redline MAP at 2700 RPM.

Ryan Dickerson

Airframe and Powerplant 2670501

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1-17-16	Hobbs 1493.3	Flight 1275.5 Serviced with 6 Qt Shell 100W 1 <sup>st</sup> Combuond 1 Champion oil Filter, Ran Leak Ch # 3375458
4-1-16	Hobbs 1531.0	Flight 1307.1 Serviced with 6 Qt Shell 100W 1 <sup>st</sup> Combuond 1 Champion oil Filter, Ran Leak Ch # 3375458


ENGINE MODEL: **Lone Mountain Aircraft Maintenance**  
 ENGINE S/N: 2460 Greentree Road  
 REG. NO: N347CP Hangar 12  
 WORK ORDER: Lebanon, Ohio 45036  
 1411-05-2016 Phone: 888-566-3686

DATE: 6/1/2016  
 A/C TSN: 1564.8  
 ENG TT:  
 TACH: 1334.3

**Engine Entries**

(2) Complied with the Engine Annual Inspection in accordance with the Manufacturers Maintenance Manual. Cleaned, inspected, and gapped all spark plugs. Megged all ignition leads. Serviced Engine oil and filter. Cut filter for inspection, no defects noted. Serviced engine with Aeroshell 100W oil. Engine cylinder compressions are as follows, master oriface 44/80, #1 70/80, #2 74/80, #3 70/80, #4 75/80, #5 75/80, #5 74/80.... (8) Removed and replaced L/H TIT sensor.... (14) Complied with SB11-05 fine wire spark plugs are not installed.... (18) Removed and replaced tanis preheat probe on #5 cylinder head.... (20) Removed and replaced gasket for oil dipstick.... (21) Adjusted Idle RPM to maintain TCM MM.... (28) Removed oil breather hose and cleaned to ensure no obstructions exist, reinstalled breather hose.... (30) Removed and replaced slave wastegate and associated worn components.

This engine has been inspected in accordance with a 100/annual inspection in accordance with the manufacturers maintenance manual and current FAA regulations and has been determined to be in an airworthy condition. END

DATE: 6/1/2016 SIGNED:  Work Order: 1411-05-2016  
 Ryan Yenger, IA: 3669633 Printed by EBis 3 (datcomedia.com)

8-7-16	Hobbs 1599.7	Flight 1363.3 Serviced with 6 Qt Shell 100W 1 <sup>st</sup> Combuond 1 Champion oil Filter Ran Leak Ch # 3375458 John Ken Parsons
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ENGINE MODEL: **Lone Mountain Aircraft Maintenance**  
 ENGINE S/N: 2460 Greentree Road  
 REG. NO: N347CP Hangar 12  
 WORK ORDER: Lebanon, Ohio 45036  
 1453-09-2016 Phone: 888-566-3686

DATE: 9/8/2016  
 A/C TSN: 1645.4  
 ENG TT:  
 TACH: 1404.1

**Engine Entries**


(1) Drained oil and replaced with 7 quarts of Aeroshell 100W. Oil sample taken and sent to Blackstone for analysis. Removed old filter, opened and inspected pleats for foreign material, no defects noted at this time. Installed and safetied Tempest oil filter P/N AA48108-2. Performed engine run for leak check, no leaks noted.... (2) Removed and replaced R/H TIT probe.

DATE: 9/8/2016 SIGNED:  Work Order: 1453-09-2016  
 Tony McBe, IA: 3248287 Printed by EBis 3 (datcomedia.com)

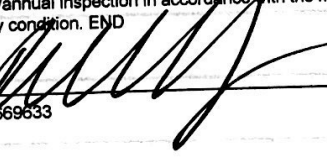
10-9-16	Hobbs 1656	Flight 1440.0 Serviced with 6 Qt Shell 100W 1 <sup>st</sup> Combuond 1 Champion oil filter Ran Leak Ch # 3375458 John Ken Parsons
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**DESCRIPTION OF WORK PERFORMED –  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**

2-8-17	TACH OR RECORDING METER TIME	<p><b>ENGINE MODEL: Lone Mountain Aircraft Maintenance</b>  <b>ENGINE S/N:</b>  <b>REG. NO: N347CP</b>  <b>WORK ORDER:</b>          1502-02-2017</p>	<p>DATE: 2/8/2017          A/C TSN: 1721.1          ENG TT:          TACH: 1468.8</p>	
		<p>2460 Greentree Road          Hangar 12          Lebanon, Ohio 45036          Phone: 888-566-3686</p>		
<p><b>Engine Entries</b>          (1) Drained oil and replaced with 7 quarts of Aeroshell 100 Plus. Oil sample taken and sent to Blackstone for analysis. Removed old filter, opened and inspected pleats for foreign material, no defects noted at this time. Installed and safetied Tempest oil filter P/N AA48108-2. Performed engine run for leak check, no leaks noted. Inspected oil breather tube for blockage at exhaust fitting.</p>				
		<p>DATE: 2/8/2017</p>	<p>SIGNED:           Ryan Yenger, IA: 3669633</p>	<p>Work Order: 1502-02-2017          Printed by EBis 3 (datcomedia.com)</p>

4-25-17 Hobbs 1700.8 Flight 1504.6 Serviced with 6 Qt Shell 100WS 1 Champion oil Filter  
 Ran Leak ck # 3375458 John Kevin Pascoe

		<p><b>ENGINE MODEL: Lone Mountain Aircraft Maintenance</b>  <b>ENGINE S/N:</b>  <b>REG. NO: N347CP</b>  <b>WORK ORDER:</b>          1551-06-2017</p>	<p>DATE: 7/3/2017          A/C TSN: 1799.3          ENG TT:          TACH: 1538.5</p>	
		<p>2460 Greentree Road          Hangar 12          Lebanon, Ohio 45036          Phone: 888-566-3686</p>		
<p><b>Engine Entries</b>          (2) Complied with the Engine Annual Inspection in accordance with the Manufacturers Maintenance Manual. Megged all ignition leads. Serviced Engine oil and filter. Cut filter for inspection, no defects noted. Serviced engine with Aeroshell 100 weight oil and 1 pint of camguard.... (16) Cleaned crankcase vent in exh. pipe.... (17) Complied with SID 97-3G.... (20) Compression check as follows; #1-60, #2-74, #3-67, #4-74, #5-71, #6-74, Master orifice 45/80. Boreoscope inspection revealed no known defects.... (21) Removed and cleaned and reinstalled all fuel injectors.... (22) Removed and replaced intake air filter.... (23) Removed and replaced R/H lower turbo heat shield.... (24) Removed and replaced L/H turbo inboard heat shield.... (26) Removed and replaced #1 alt. feed wire to MCU.... (27) Removed and replaced all spark plugs.... (31) Tightened loose clamp on L/H center exhaust heat shield.... (32) Applied anti seize to exhaust slip joints.... (33) Removed and replaced slave waste gate actuator pin.</p>				
<p>This engine has been inspected in accordance with a 100/annual inspection in accordance with the manufacturers maintenance manual and current FAA regulations and has been determined to be in an airworthy condition. END</p>				
		<p>DATE: 7/3/2017</p>	<p>SIGNED:           Ryan Yenger, IA: 3669633</p>	<p>Work Order: 1551-06-2017          Printed by EBis 3 (datcomedia.com)</p>

8-11-17 Hobbs 1834.5 Flight 1569.4 Serviced with 6 Qt Shell 100WS 1 Champion oil Filter  
 Ran Leak ck # 3375458 John Kevin Pascoe

10-5-17 Hobbs 1869.2 Flight 1600.2 Serviced with 6 Qt Shell 100WS 1 Champion oil Filter  
 Ran Leak ck # 3375458 John Kevin Pascoe

11-20-17 Hobbs 1906.3 Flight 1634.1 Serviced with 6 Qt Shell 100WS 1 Champion oil Filter  
 Ran Leak ck # 3375458 John Kevin Pascoe

4-12-18 Hobbs 1944.2 Flight 1667.4 Serviced with 6 Qt Shell 100WS 1 Champion oil Filter  
 Ran Leak ck # 3375458 John Kevin Pascoe

6/14/18 Hobbs 1951.4 Flight 1700.9 Serviced with 6 Qt Shell 100WS 1 Champion oil Filter  
 Ran Leak ck # 3375458 John Kevin Pascoe

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

ENGINE MODEL:  
ENGINE S/N:  
REG. NO: N347CP  
WORK ORDER:  
1776-07-2018

**Lone Mountain Aircraft Maintenance**

2460 Greentree Road  
Hangar 12  
Lebanon, Ohio 45036  
Phone: 888-566-3686

DATE: 8/21/2018  
A/C TSN: 1945.9  
ENG TT:  
TACH: 1668.4

**Engine Entries**

(2) Drained oil and replaced with 7 quarts of Aeroshell W100 PLUS. Oil sample taken and sent to Blackstone for analysis. Removed old filter, opened and inspected pleats for foreign material, no defects noted at this time. Installed and safetied champion oil filter p/n CH48108-1. Performed engine run for leak check, no leaks noted... (4) Performed TATI service instruction S117-01, replacement of oil fluid lines. Done IAW Tornado Alley Turbo Service Instruction S117-01... (12) Complied with SID 97-3G... (25) Removed and replaced worn slave waste gate pin and safety clip... (26) Removed and replaced Magneto filter. Next due replacement 08/20 or 2043.5, whichever comes first... (34) Removed and replaced V band clamps. Aircraft has 1743.5 hours. V band clamps next due replacement at 2143.5 hours... (35) Removed and replaced worn L/H and R/H trubo support brackets and rods... (36) Removed and replaced crush gasket at engine case plug behind #2 alternator... (37) Removed, cleaned, and reinstalled all 6 fuel injectors.

This engine has been inspected in accordance with a 100/annual inspection in accordance with the manufacturers maintenance manual and current FAA regulations and has been determined to be in an airworthy condition. END


DATE: 8/21/2018

SIGNED: 

Work Order: 1776-07-2018

Tony McBe, IA: 3248287

Printed by EBis 3 (datcomedia.com)

1-27-18 2087.9 Flight 1785.4 Service 6 qt Aeroshell 100 Plus Temp oil Filter Re-Load ck # 3375 458 John Kevin Pansow 

ENGINE MODEL:  
ENGINE S/N:  
REG. NO: N347CP  
WORK ORDER:  
1822-10-2018

**Lone Mountain Aircraft Maintenance**

2460 Greentree Road  
Hangar 12  
Lebanon, Ohio 45036  
Phone: 888-566-3686

DATE: 11/27/2018  
A/C TSN: 2064.3  
ENG TT:  
TACH: 1766.3

**Engine Entries**

(4) Reinstalled original Engine Driven Fuel Pump P/N ETI-SR22-2-12, S/N GP5506. Fuel Pump was overhauled by Great Planes Fuel Metering WO# 18-587. Adjusted fuel flows at all engine ranges and fuel flow is within serviceable limits at all parameters... (5) Removed and replaced master wastegate with serviceable overhauled wastegate P/N 470842-0004, S/N KLN00156.

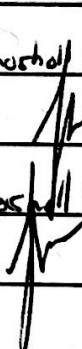
DATE: 11/27/2018


SIGNED: 


Work Order: 1822-10-2018

Ryan Yenger, IA: 3669633

Printed by EBis 3 (datcomedia.com)

5/3/19 2157.5 Flight 1511.6 Service with 6 qts Aeroshell W100 Plus Temp oil Filter Re-Load ck # 3375 458 John Kevin Pansow 

6-26 2163.1 Flight 1545 Service with 6 qts Aeroshell W100 Plus Temp oil Filter Re-Load ck # 3375 458 John Kevin Pansow 

9-25-19 Flight: 1884.5  
Hobbs: 2200.4  
Removed engine due to cracked case  
A+P # 3724933 



**WESTERN Skyways**  
INC.

**GOLD SEAL AIRCRAFT ENGINES**

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-550-N

Serial Number: 691726

Time: 1884.5 TTE

Work Order: W055968

Date: 25 NOV 2019

This engine was disassembled and inspected for crankcase repair. Installed a serviceable crankcase, casting #646201 M/N: A049410RPL certified by DIVCO Inc. under their W/O 126232 dated 31 OCT 2019. VAR Crankshaft S/N: N08BA063 was ultrasonic inspected per AD97-26-17, MSB96-10B. Turbocharger, P/N: 466304-0003, S/N: KKL00144 was overhauled by Main Turbo Systems Inc under their W/O 57989 dated 18 NOV 2019.

Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new crankshaft & counterweight bushings, pins, plates, and snap rings, new gaskets and seals as necessary. Engine was run in a test cell for leak and operations check. Assembled I/A/W Western Skyways, Inc. Repair Specification WS-100 "Use and Application of Hylomar Sealant" dated 11/10/2010, Continental Motors, Inc. Overhaul Manual M-16 and applicable service publications.

The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed: \_\_\_\_\_

Larry Flatten  
CRS# WS9R575J

Form 201E

ENGINE MODEL:  
ENGINE S/N:  
REG. NO: N347CP  
WORK ORDER:  
1979-09-2019

**Lone Mountain Aircraft Maintenance**

2460 Greentree Road  
Hangar 12  
Lebanon, Ohio 45036  
Phone: 888-566-3686

DATE: 1/3/2020  
A/C TSN: 2199.5  
ENG TT:  
TACH: 1884.5

**Engine Entries**

(2) Reinstalled Continental engine SN:691726 received from Western Skyways. Timed both engine magnetos. Serviced engine with 7 qts of Phillips 20W-50 Mineral oil. Work was done IAW Cirrus AMM, Continental AMM, and TATI Report 215-10. Ran engine and checked for leaks, no leaks noted. Adjusted fuel flows to TATI recommended parameters. Adjusted oil pressure to maintain 50 PSI at operating temperatures.... (3) Removed and replaced #2 EGT probe and cleaned #2 and #6 fuel injectors

DATE: 1/3/2020

SIGNED: \_\_\_\_\_

Ryan Yenger, IA 3669633

Work Order: 1979-09-2019

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:  
ENGINE S/N:  
REG. NO: N347CP  
WORK ORDER:  
2054-01-2020

**Lone Mountain Aircraft Maintenance**

2460 Greentree Road  
Hangar 12  
Lebanon, Ohio 45036  
Phone: 888-566-3686

DATE: 1/17/2020  
A/C TSN: 2207.8  
ENG TT:  
TACH: 1887

**Engine Entries**

(3) Adjusted take off RPM to 2660 on the ground.... (5) Adjusted oil pressure up to be above 50psi at operating temperature.... (6) Sealed and tightened several oil galley plugs that were leaking oil from when Engine was Overhauled or Torn Down and Inspected.... (7) Adjusted governor arm and throttle rod end to set cruise RPM to 2500.

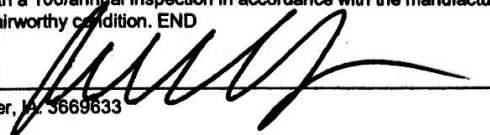
DATE: 1/17/2020


SIGNED: \_\_\_\_\_


Ryan Yenger, IA 3669633

Work Order: 2054-01-2020

Printed by EBis 3 (datcomedia.com)

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
		<p>ENGINE MODEL: <b>Lone Mountain Aircraft Maintenance</b></p> <p>ENGINE S/N: 2460 Greentree Road</p> <p>REG. NO: N347CP Hangar 12</p> <p>WORK ORDER: Lebanon, Ohio 45036</p> <p>1950-08-2019 Phone: 888-566-3686</p> <p><b>Engine Entries</b></p> <p>(2) Complied with the Engine Annual Inspection in accordance with the Manufacturers Maintenance Manual. Cleaned, inspected, and gapped all spark plugs. Megged all ignition leads. Serviced Engine oil and filter. Cut filter for inspection, no defects noted. Serviced engine with Aeroshell W100 plus oil.... (9) Removed and replaced all push rod tube seals. Leak check good.... (13) Cylinder compressions are as follows, #1/77, #2/70, #3/67, #4/75, #5/73, #6/68 all over 80, master orifice reading of 45/80. Complied with borescope of engine cylinders, no defects noted at this time.... (21) Complied with TAT SB09-01 no cracks noted.... (23) Complied with TAT SB10-02 tailpipe hangars have been previously replaced and are not cracked.... (24) Complied with TAT SB11-05, fine wire spark plugs are not installed.... (25) Complied with TAT SI08-04 inspection of cabin heat tailpipe assembly for leaks. No leaks noted at this time.</p> <p>This engine has been inspected in accordance with a 100/annual inspection in accordance with the manufacturers maintenance manual and current FAA regulations and has been determined to be in an airworthy condition. END</p>	<p>DATE: 1/3/2020</p> <p>A/C TSN: 2199.5</p> <p>ENG TT: TACH: 1884.5</p>
		<p>DATE: 1/3/2020</p> <p>SIGNED: </p> <p>Ryan Yenger, IA 3669633</p>	<p>Work Order: 1950-08-2019</p> <p>Printed by EBis 3 (datcomedia.com)</p>

		<p>ENGINE MODEL: <b>Lone Mountain Aircraft Maintenance</b></p> <p>ENGINE S/N: 2460 Greentree Road</p> <p>REG. NO: N347CP Hangar 12</p> <p>WORK ORDER: Lebanon, Ohio 45036</p> <p>2096-03-2020 Phone: 888-566-3686</p> <p><b>Engine Entries</b></p> <p>(2) Removed baffling around #2 Alternator and found source of oil leak to be from plugs installed in the engine crankcase and the Propeller Governor internal adjustment cap. Tightened plugs on engine crankcase and secured cap/plug on Propeller Governor. Ran Engine and checked for leaks. No leaks noted at this time.... (6) Removed and replaced #3 EGT probe. Ran engine and seen no fluctuation on #3 EGT.</p>	<p>DATE: 3/13/2020</p> <p>A/C TSN: 2215.2</p> <p>ENG TT: TACH: 1892.7</p>
		<p>DATE: 3/13/2020</p> <p>SIGNED: </p> <p>Ryan Yenger, IA 3669633</p>	<p>Work Order: 2096-03-2020</p> <p>Printed by EBis 3 (datcomedia.com)</p>



**THE OHIO STATE UNIVERSITY AIRPORT**  
 2160 West Case Road Hgr. 3  
 Columbus, Ohio 43235-2526  
 CRS# IKBRO28F

Date: 6/12/2020      Work Order#: AM09967      N#: N347CP

Aircraft Make/Model: CIRRUS SR-22i      Serial#: 3044

Engine Make/Model: CONT IO-550-N      Serial#: 691726

Flight Meter: 1897.2


**Engine Log**

- Installed new mag timing plug crush gasket PN AN900-10, torqued and safed up plug as per Continental IO-550-N OMM.

**"Maintenance Release"**

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

-----END-----

Signature:  for CRS# IKBRO28F

