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✈ 310 Hanger Road
Lynchburg, VA 24502
434-237-7002
CRS# BGSR439C

Date: 6/23/2020; Aircraft: N176DR; Type: A36; S/N: E-3592; Hobbs: 480.9; Total Time: 480.9; Engine - Type: IO-550-B, S/N: 686981, Time: 480.9

Shop Order #: F20-5309

ENGINE ENTRY

Drained oil and removed filter. No metal found in removed filter. Installed new filter PN# CH48109-1. Serviced with 11 quarts of Phillips X/C 20W50 oil. No leaks noted. I/AW Beech A36 AMM 12-10-00.

Aircraft Sales & Brokerage

Maintenance Release

The aircraft or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this Repair Station

Signed: _____

A handwritten signature in black ink, appearing to be 'J. R. [unclear]', written over a horizontal line.

CRS# BGSR439C



WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

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

(800) 876-9029
(970) 269-9070
FAX: (970) 269-9100

Engine Make: CONTINENTAL

Model: IO-550-B

Serial Number: 686981

W/O No: W056849

Date: 07 OCT 2020

Warranty Number: J20272

Warranty Start Date: OCT 2020

Crankshaft Serial No: N04GA079

Cylinder Part Number: SAP SA52006-A23P 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: 494.0 Hrs.

This engine meets requirements of CONTINENTAL M-0 for 1700.0 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	20090525	Prog/Gov.	N/A	N/A
R/H Mag.	6310 NEW	20090526	Wastegate	N/A	N/A
Fuel Pump	646212-40A1	B04GA039	Alt/Gen	N/A	N/A
Inj/Carb.	646318A1	A04GA045	Valve	N/A	N/A
Man Valve	646508-17A7	C04GA039	Relief Val.	N/A	N/A
Starter	C24ST5 NEW	H-U032528	Controller	N/A	N/A
Turbo	N/A	N/A	Fuel limiter	N/A	N/A
			Scav 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. WS98575J

Form 200

Cylinder S/N	Cylinder S/N
#1: 526G2044290	#5: 526G2044303
#2: 526G2044292	#6: 526G2044304
#3: 526G2044298	#7: N/A
#4: 526G2044301	#8: N/A

2020-21

AD NOTES COMPLIANCE RECORD

10/21/2020

Engine - Continental Motors - IO-550-B

S/N: 686981

Western Skyways Inc.
CRS: WS9R575J
W/O: W056845

Appliance - Magneto - Slick

S/N: 20090525
S/N: 20090526Model: 6310
Model: 6310

Appliance - Cylinder assembly - Superior Air Parts

S/N: 526G2044290
S/N: 526G2044292
S/N: 526G2044298
S/N: 526G2044301
S/N: 526G2044303
S/N: 526G2044304

P/N: SA52005-A23F

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
74-18-05	Slick magnetos	7 OCT 2020 494.0 ETT	N/A per magneto model number	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
80-06-01	Slick magnetos	7 OCT 2020 494.0 ETT	N/A per magneto model number	X		Ryan Dickerson WS9R575J <i>PD</i>
81-16-05	Slick magnetos	7 OCT 2020 494.0 ETT	N/A per magneto model number	X		Ryan Dickerson WS9R575J <i>PD</i>
86-13-04 R3	Cylinder assemblies	7 OCT 2020 494.0 ETT	Installed NEW Superior cylinders	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
87-14-02	Starter adaptor shaftgear	7 OCT 2020 494.0 ETT	N/A per engine serial number	X		Ryan Dickerson WS9R575J <i>PD</i>
88-03-06	Oil filter	7 OCT 2020 494.0 ETT	Installed oil filter P/N: CH48109-1	X		Ryan Dickerson WS9R575J <i>PD</i>
88-17-03	Starter adapter shaftgear	7 OCT 2020 494.0 ETT	Starter Adapter, P/N: 642087A69 installed. Starter adapter has new style 12 point nut installed per TCM S8 M85-5	X		Ryan Dickerson WS9R575J <i>PD</i>
91-19-03	Champion oil filter	7 OCT 2020 494.0 ETT	Installed oil filter P/N: CH48109-1	X		Ryan Dickerson WS9R575J <i>PD</i>
93-06-17	Incorrect oil pick-up tube	7 OCT 2020 494.0 ETT	N/A per engine serial number	X		Ryan Dickerson WS9R575J <i>PD</i>
93-10-02	Cylinder valve retainer	7 OCT 2020 494.0 ETT	Installed NEW Superior cylinders	X		Ryan Dickerson WS9R575J <i>PD</i>
93-18-15	Fuel pumps	7 OCT 2020 494.0 ETT	Installed fuel pump coupling	X		Ryan Dickerson WS9R575J <i>PD</i>
PL36-01-08	Exhaust roller rocker	7 OCT 2020 494.0 ETT	Replaced roller rocker	X		Ryan Dickerson WS9R575J <i>PD</i>
99-19-01	Crankshaft failure	7 OCT 2020 494.0 ETT	N/A per engine serial number. Crankshaft S/N: ND4GA079	X		Ryan Dickerson WS9R575J <i>PD</i>
2000-23-21	Fracture of the crankshaft connecting rod journal	7 OCT 2020 494.0 ETT	N/A per crankshaft S/N: ND4GA079	X		Ryan Dickerson WS9R575J <i>PD</i>

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10/07/2020

2020-21

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
2004-09-10	Prevent loss of engine power	7 OCT 2020 494.0 ETT	Installed NEW Superior cylinders	X		Ryan Dickerson WS9R575J <i>PD</i>
2007-04-19	To prevent cylinder separation that can lead to engine failure	7 OCT 2020 494.0 ETT	N/A per cylinder part number.	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
2007-04-18R1	To prevent cylinder separation that can lead to engine failure	7 OCT 2020 494.0 ETT	N/A per cylinder part number.	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
2008-16-07	Correction: To prevent loss of engine power due to cracks in the cylinder head, possible engine failure, and fire in the engine compartment	7 OCT 2020 494.0 ETT	Installed NEW Superior cylinders	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
2010-11-04	To prevent excessive hydraulic lifter wear	7 OCT 2020 494.0 ETT	Installed overhauled lifters P/N: 653888 and 653877	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	7 OCT 2020 494.0 ETT	N/A Fuel injection servo not used on this engine	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
2014-05-29	Superior Air Parts Investment Cast Cylinder Assemblies	7 OCT 2020 494.0 ETT	N/A per cylinder part number	X	N/A	Ryan Dickerson WS9R575J <i>PD</i>
2016-16-12	ECI Class T1 or Class T6 Cylinder Assembly Failures	7 OCT 2020 494.0 ETT	Installed NEW Superior cylinders	X		Ryan Dickerson WS9R575J <i>PD</i>

DATE

TACH OR
RECORDING
METER
TIMEDESCRIPTION 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-B

Serial Number: 686981

Time: 494.0 TTE

Work Order: W056849

Date: 7 OCT 2020

Removed Continental fuel nozzles 627335D13AA and installed General Aviation Modifications, Inc GAMjectors Kit No. GAD13AA S/N 29355, STC No. SE09217SC PMA No. PQ821SW per GAMjectors Installation Procedure No. IP-96-001 (Rev 005) dated 11 Oct 2002. No change in weight and balance.

Installed Cam Gear P/N: 656818. This satisfies the requirements of MSB05-8D.

The engine and/or component identified above was overhauled 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:
 Ryan Dickerson
 CRS# WS9R575J

FORM 201E


WESTERN
Skyways
 INC.

GOLD SEAL AIRCRAFT ENGINES

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

Date: 30 OCT 2020

Tach time:

Total time: 494.0

Aircraft Model: Beech A36

#1 Engine Model: Continental IO-550-B

Engine total time: 494.0

#1 Prop Model: Hartzell PHC-C3YF-1HF/FB468A-6R

Prop Total time: 2384.5.0

Reg. Number: N5760R

Hobbs time: 494.0

Work Order Number: A004376

Serial Number: E3592

Serial Number: 686981

Engine TSO: 0.0

Serial Number: QG38

Prop TSO: 0.00

ENGINE LOG

- Installed overhauled engine IO-550-B serial number 686981. Serviced engine with Aeroshell 100 mineral oil. Ground fine tune and operation checks good. Adjusted fuel system per Continental manual M-0.
- Installed NEW Vacuum Pump, part number: AA72167-00, serial number: OCIP19. Reference Aero Accessories LLC 8130-1, W/O: 176071-01, dated 09 JUN 2020.
- Installed NEW Motor X-000-1, part number: F320-001, with new seal.
- Installed 2ea NEW CHT probes part number 5050T.
- Installed NEW firewall forward fluid carrying boxes.
- Installed NEW Air Conditioner belt, part number: 646293-33.00.
- Replaced right hand rear baffle seal.
- Visually inspected exhaust stacks and mufflers. No defects noted.
- Replace seat hose on front right of engine.
- Installed Reiff Hotstrip oil sump heater, part number HISS

The aircraft, airframe, engine, propeller, and/or appliance identified above was repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and is hereby returned to service. Pertinent details are on file at this Repair Station on above work order.

Signature:
 Repair Station Number WS9R575J



310 Hangar Road
 Lynchburg, VA 24502
 434-237-7002
 CRS# BGSR439C

Form 201

Date: 12/09/2020; Aircraft: N176DR; Type: A36; S/N: E-3592; Hobbs: 515.1; Total Time: 515.1; Engine - Type: IO-550-B; S/N: 686981; Time: 515.1

Shop Order #: F20-6001

ENGINE ENTRY

Complied with Annual / 100 hour inspection on engine SN: 686981 IAW Beechcraft Bonanza 33 Long Form Inspection Guide. Drained oil and removed filter. No metal found in removed filter. Installed new filter PN# CH48109-1. Serviced with 12 quarts of Phillips XC 20W50 oil. Engine compressions are #178, #2 75, #3 76, #4 75, #5 76, #6 75/80. Ran aircraft. No leaks noted.

AC idler pulley found in bottom of cowl. Reinstalled pulley assy with new bushing PN: 643957 IAW Continental IO-550 O/H Manual and Beech A36 AMM 21-50-00. Op's check good.

Maintenance Release

The aircraft or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this Repair Station

Signed:

CRS# BGSR439C

Flying Leaf Aviation LCC 2222 Pilots View Rd. HBI Asheville NC (336) 626-3600									
DATE	REG #	TACH	TTAF	ELT Due	TTE	SMOH	TTP	PSMOH	XPOND Due
21Dec22	N176DR	599.7	599.7	Jan2021		105.7	2394.7	105.7	10/23

Louis J. Pugliese, Jr.
A&P31646171A

Loe By

[illegible]

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED – SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																				
<p><i>Flying Leaf Aviation LCC 2222 Pilots View Rd. HBI Asheboro NC (336) 626-3600</i></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>REG #</th> <th>TACH</th> <th>TTAF</th> <th>ELT Due</th> <th>TTE</th> <th>SMOH</th> <th>TTP</th> <th>PSMOH</th> <th>XPOND Due</th> </tr> </thead> <tbody> <tr> <td>3Feb23</td> <td>N176DR</td> <td>662.3</td> <td>662.3</td> <td>Dec24</td> <td></td> <td>105.7</td> <td>2394.7</td> <td>105.7</td> <td>10/23</td> </tr> </tbody> </table> <p>Performed Annual Inspection using Beech long form inspection guide. Oil and filter changed. Engine serviced with 11 qts Phillips 20w50 and AA48109 filter. Old filter opened, no defects noted. All spark plugs cleaned, gapped and tested. Compressions 1)72 2)70 3)80 4)68 5)72 6)70/ 80. Engine ground run, leak and systems check satisfactory. <i>70 Lm</i> All AD's current as of this date. Engine washed, ground run and leak check satisfactory. I certify this engine has been inspected in accordance with an Annual Inspection and is in airworthy condition.</p> <p>Louis J. Pugliese, Jr. A&P3164617IA <i>LJP</i></p>			DATE	REG #	TACH	TTAF	ELT Due	TTE	SMOH	TTP	PSMOH	XPOND Due	3Feb23	N176DR	662.3	662.3	Dec24		105.7	2394.7	105.7	10/23
DATE	REG #	TACH	TTAF	ELT Due	TTE	SMOH	TTP	PSMOH	XPOND Due													
3Feb23	N176DR	662.3	662.3	Dec24		105.7	2394.7	105.7	10/23													
<p>March 7, 2024; Hobb: 711.5; A/C TT: 711.5; Eng.TT: 711.5; Eng. SMOH: 217.5. Performed Annual inspection IAW Title 14 CFR Part 43 Appendix D, reference to Beechcraft inspection guide, and Continental Engine maintenance procedures. Performed cylinder compression test: #1 77/80, #2 78/80, #3 77/80, #4 78/80, #5 78/80, #6 77/80. Drained oil, removed oil filter and inspected, found no contamination. Drained fuel control unit and cleaned & inspected fuel screen. Cleaned fuel injectors. Checked engine timing. Inspected mufflers and heat shrouds, found no defects. Cleaned, gapped, and rotated spark plugs. Tightened all cylinder rocker cover screws and intake pipes sleeve clamps. Secured few loose wires around accessory case area using zip ties. Inspected and cleaned air filter. Installed new Champion CH48109-1 oil filter and serviced engine with 11 quarts of Phillips X/C SAE 20W-50 oil. Washed and performed engine run-up, found no leaks. Lubricated engine control cables and checked for proper travel. See complete and up to date AD list in aircraft file. I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition. Dar P. Hanjiev A&P 2375698IA <i>Dar Hanjiev</i></p>																						
10-19-24	747.7	<p>Drained oil, removed filter, no metal, installed new Tempest AA48109 filter, serviced with 11 qts Phillips xc 20w50. <i>J. Badalamenti</i></p>																				
<p>April 17, 2025; Hobb: 778.1; A/C TT: 778.1; Eng.TT: 778.1; Eng. SMOH: 284.1. Performed Annual inspection IAW Title 14 CFR Part 43 Appendix D, reference to Beechcraft inspection guide, and Continental Engine maintenance procedures. Performed cylinder compression test: #1 77/80, #2 78/80, #3 78/80, #4 78/80, #5 76/80, #6 78/80. Drained oil, removed oil filter and inspected, found no contamination. Drained fuel control unit and cleaned & inspected fuel screen. Cleaned, gapped, and rotated spark plugs. Cleaned fuel injectors. Checked engine timing. Inspected mufflers and heat shrouds, found no defects. Tightened all cylinder rocker cover screws and intake pipes sleeve clamps. Inspected and cleaned intake air filter. Installed new Tempest AA48109 oil filter and serviced engine with 11 quarts of Phillips X/C SAE 20W-50 oil. Washed and performed engine run-up, found no leaks. Lubricated engine control cables and checked for proper travel. See complete and up to date AD list in aircraft file. I certify that this engine has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition. Dar P. Hanjiev A&P 2375698IA <i>Dar Hanjiev</i></p>																						

