



WESTERN Skyways INC.

GOLD SEAL AIRCRAFT ENGINES

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

(800) 575-9929
(970) 249-0232
FAX: (970) 249-4155

Engine Make: CONTINENTAL Model: IO-520-BB
 Serial Number: 578618 W/O No: W055429 Date: 09 AUG 2019
 Warranty Number: H19196 3 YR WARR Warranty Start Date: AUG 2019
 Crankshaft Serial No: A229001N Cylinder Part Number: SAP SA52006-A20P NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: X30039 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: 3892.1 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	19061089	Prop Gov:	C290D3K-T23	890100
R/H Mag:	6310 NEW	19061090	Wastegate:	N/A	N/A
Fuel Pump:	646212-16A2	C149003B	Alt/Gen:	N/A	N/A
Inj/Carb:	629904-2	B024920A	Press Rel Val.:	N/A	N/A
Man Valve:	631427-2	C027113RA	VAPC::	N/A	N/A
Starter:	C24ST4	H-T053324	Controller:	N/A	N/A
Turbo:	N/A	N/A	Pop off:	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.

Form 200

Signature:

Repair Station No. WS9R575J

Cylinder S/N	Cylinder S/N
#1: 526D1938353	#5: 526D1938357
#2: 526D1938354	#6: 526D1938358
#3: 526D1938355	#7: N/A
#4: 526D1938356	#8: N/A

SIGNATURE & CERTIFICATE NO. OF PERSON

AD NOTES COMPLIANCE RECORD

Engine - Continental Motors - IO-520-BB

SN: 579518 Western Skyways Inc.
WSSR575J
W/O: W055425

Appliance - Magneto - Slick


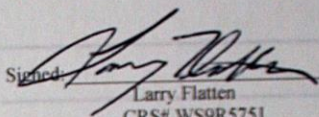
SN: 19061089 Model: 6310
SN: 19061090 Model: 6310

Appliance - Cylinder assembly - Superior Air Parts

SN: 52601938355 P/N: SAS2006-A2DF
SN: 52601938354
SN: 52601938355
SN: 52601938356
SN: 52601938357
SN: 52601938358

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Over Time	Rescheduling	Next Comp. @ Hrs/Date	Authorized Signature & Number
70-14-07 R2	Fuel injection pump needle	06 AUG 2019 3892.1	Verified new style needle installed during overhaul	X			Larry Flatten WSSR075J <i>LF</i>
72-24-03	Oil filter adaptor	06 AUG 2019 3892.1	N/A per engine model. New style of filter adaptor installed.	X	N/A		Larry Flatten WSSR075J <i>LF</i>
74-18-05	Slick magnetos	06 AUG 2019 3892.1	N/A per magneto model number	X	N/A		Larry Flatten WSSR075J <i>LF</i>
75-05-04	Oil pressure relief valve	06 AUG 2019 3892.1	"Current" style screw and plunger installed.	X			Larry Flatten WSSR075J <i>LF</i>
80-01-04	Cylinder holddown flanges	06 AUG 2019 3892.1	Installed NEW Superior cylinders	X			Larry Flatten WSSR075J <i>LF</i>
80-06-05	Slick magnetos	06 AUG 2019 3892.1	N/A per magneto model number	X			Larry Flatten WSSR075J <i>LF</i>
81-18-05	Slick magnetos	06 AUG 2019 3892.1	N/A per magneto model number	X			Larry Flatten WSSR075J <i>LF</i>
81-24-06	Fuel pump	06 AUG 2019 3892.1	N/A per fuel pump S/N: C149003B	X	N/A		Larry Flatten WSSR075J <i>LF</i>
86-13-04 R3	Cylinder assemblies	06 AUG 2019 3892.1	Installed NEW Superior cylinders	X	N/A		Larry Flatten WSSR075J <i>LF</i>
87-14-02	Starter adaptor shaftgear	06 AUG 2019 3892.1	N/A per starter adaptor P/N: 642085A12	X			Larry Flatten WSSR075J <i>LF</i>
88-03-06	Oil filter	06 AUG 2019 3892.1	Installed oil filter P/N: CH48109-1	X			Larry Flatten WSSR075J <i>LF</i>
88-17-03	Starter adaptor shaftgear	06 AUG 2019 3892.1	N/A per starter adaptor P/N: 642085A17. Engine not A/C equipped.	X			Larry Flatten WSSR075J <i>LF</i>
91-18-03	Champion oil filter	06 AUG 2019 3892.1	Installed oil filter P/N: CH48109-1	X			Larry Flatten WSSR075J <i>LF</i>
93-06-17	Incorrect oil pick-up tube	06 AUG 2019 3892.1	N/A per engine model.	X			Larry Flatten WSSR075J <i>LF</i>
93-18-02	Cylinder valve retainers	06 AUG 2019 3892.1	Installed NEW Superior cylinders	X			Larry Flatten WSSR075J <i>LF</i>

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Over Time	Rescheduling	Next Comp. @ Hrs/Date	Authorized Signature & Number
93-18-11	Fuel pumps	06 AUG 2019 3892.1	Installed fuel pump drive coupling P/N: B5335E	X			Larry Flatten WSSR075J <i>LF</i>
98-21-11	Engine teardown and analytical inspect.	06 AUG 2019 3892.1	Engine inspected during overhaul	X			Larry Flatten WSSR075J <i>LF</i>
97-26-17	CORRECTION - Crankshaft fatigue cracks	06 AUG 2019 3892.1	VAR crankshaft, S/N: A229001N ultrasonic inspected by Aircraft Specialties Services Inc. See 8130-3, W/O 255235 dated 27 JUN 2019.	X	Anytime crankshaft is removed.		Larry Flatten WSSR075J <i>LF</i>
98-17-11	Crankshafts	06 AUG 2019 3892.1	Crankshaft S/N: A229001N was visual, dimensional and magnetic particle inspected by Aircraft Specialties Services Inc. See 8130-3, W/O 255235 27 JUN 2019.	X			Larry Flatten WSSR075J <i>LF</i>
98-18-01	Crankshaft failure	06 AUG 2019 3892.1	N/A per crankshaft S/N: A229001N	X			Larry Flatten WSSR075J <i>LF</i>
2000-23-21	Fracture of the crankshaft connecting rod journal	06 AUG 2019 3892.1	N/A per crankshaft S/N: A229001N	X			Larry Flatten WSSR075J <i>LF</i>
2004-08-11	Prevent loss of engine power	06 AUG 2019 3892.1	N/A per crankshaft S/N: A229001N	X			Larry Flatten WSSR075J <i>LF</i>
2007-24-18	To prevent cylinder separation that can lead to engine failure	06 AUG 2019 3892.1	Installed NEW Superior cylinders	X			Larry Flatten WSSR075J <i>LF</i>
2007-24-18R1	To prevent cylinder separation that can lead to engine failure	06 AUG 2019 3892.1	N/A per cylinder part number	X	N/A		Larry Flatten WSSR075J <i>LF</i>
2006-18-27	Correction - To prevent loss of engine power due to cracks in the cylinder head, possible engine failure, and fire in the engine compartment	06 AUG 2019 3892.1	N/A per cylinder part number	X	N/A		Larry Flatten WSSR075J <i>LF</i>
2010-11-04	To prevent excessive hydraulic lifter wear	06 AUG 2019 3892.1	Installed lifters P/N: 526488 and 546277	X	N/A		Larry Flatten WSSR075J <i>LF</i>
2013-23-26	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	06 AUG 2019 3892.1	N/A fuel injection servo not used on this engine	X	N/A		Larry Flatten WSSR075J <i>LF</i>
2014-08-29	Superior Air Parts Investment Cast Cylinder Assemblies	06 AUG 2019 3892.1	N/A per cylinder part number	X	N/A		Larry Flatten WSSR075J <i>LF</i>
2018-18-11	ECI Class 71 or Class 76 Cylinder Assembly Failures	06 AUG 2019 3892.1	Installed NEW Superior cylinders	X	N/A		Larry Flatten WSSR075J <i>LF</i>

DATE	METER TIME	SIGNATURE & CERTIFICATE NO.
		 WESTERN Skyways INC. GOLD SEAL AIRCRAFT ENGINES 21 Creative Place Montrose, CO 81401 CRS # WS9R575J
		Engine Model: IO-520-BB Serial Number: 578618 Time: 3892.1 Work Order: W055429 Date: 09 AUG 2019
		Installed re certified GAMI Nozzle kit number GAD13A, STC SE09217SC, S/N: 15990 in accordance with General Aviation Modifications Inc. Installation Procedure No. IP-2001-01 (Rev. NC) dated 25 MAR 2001. See previous log entry dated 06 FEB 2007. Installed Cam Gear P/N: 2078-1 (RAM PMA). This satisfies the requirements of CSB05-8D.
		Signed:  Larry Flatten CRS# WS9R575J
		FORM 201E

11/04/2019 Beechcraft F33A N56425 s/n CE-1469 Tach Reads 3892.10 owner: P. Baker
 Continental IO520-BB s/n 578618 TSO: 0.0
 McCauley 3A32C406-C s/n 891795 TSO: 371.5
 Installed engine using new Lord mounts and new bolts. Fabricated new heat shields for mounts and installed. Replaced all air ducting with new. Serviced using AeroShell mineral oil. Installed propeller after repair by Jordan Propeller Service. Engine run up, operational checks performed and adjustments made as needed. I certify that this engine has been inspected per FAR 43.15(a)(1)(2) for an annual inspection and was determined to be in airworthy condition. Joseph G. Sills IA405867971

11/25/2019 Beechcraft F33A N56425 s/n CE-1469 Tach Reads: 3905.82 owner: P. Baker
 Continental IO520-BB s/n 578618 TSO: 13.72
 McCauley 3A32C406-C s/n 891795 TSO: 385.22
 Drained oil, replaced filter with new CH48109-1. Serviced with 11 quarts Phillips XC 20W-50. Cut old filter open-no metallic particles noted. Engine run- no leaks.
 Michael K. Weiss ABP3566362


12/03/2020 Beechcraft F33A N56425 s/n CE-1469 Tach Reads: 3930.51 owner: P. Baker
 Continental IO520-BB s/n 578618
 McCauley 3A32C406-C s/n 891795
 Engine oil change-drained oil, replaced filter w/ new CH48109-1, serviced with Phillips XC 20W-50. Cut filter open- no metallic particles. Washed engine/run-up- no leaks noted.
 Michael K. Weiss ABP3566362

3/8/2020 Beechcraft F33A N56425 s/n CE-1469 Tach Reads
 3956.8 Engine oil change - drained oil, replaced filter w/ new
 CH48109-1, serviced with Phillips XC 20W-50. Cut filter open-
 no metal found. Engine run-up no leaks noted
 Phil Baker * 3597698

DATE	TACH OR RECORDING METER TIME	DESCRIPTION	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING
10-11-2020	4028.55	BE-F33A N56425 s/n CE-1469 Tach 4028.55 Engine oil change: Drained oil, replaced oil filter with new CH48109-1, serviced with 11 qts Phillips XC 20w 50. Cut filter open - no metal found Engine run - no leaks. Peter Wietkowski # 2739839.	

12/23/2020
Tach: 4038
PropSMO: 538

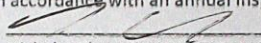
Lawrence Airmotive LLC
603-479-2067
LWMAirmotive@outlook.com



Lawrence Municipal Airport
492 Sutton St.
N. Andover, MA 01845

N56425
ESMO: 169


Complied with an annual inspection in accordance with FAR 43 appendix D and Beech F33A annual checklist.
Checked all AD's through bi-weekly 2020-24.
Compression check #1 62 #2 69 #3 69 #4 62 #5 66 #6 61/80.
Complied with an oil and filter change. Inspected filter for contamination, none found. Engine serviced with 11qts Phillips 20w/50 X/C1 and a new CH48108-1 filter. Leak checked OK.
Complied with fuel injector service. Cleaned, flow checked, reinstalled and leak checked OK.
Complied with spark plug service. Cleaned, gapped, tested, and rotated when reinstalled.
I certify that this engine has been inspected in accordance with an annual inspected and was determined to be in an airworthy condition.


Nickolas Flammia AP3339511A

6-27-21	4098.10	BE-F33A N56425 s/n CE-1469 tach 4098.10 Engine oil change: Drained oil, replaced oil filter w/ new Champion CH48109-1, serviced with 11 qts Phillips XC 20w 50. Cut filter open - no metal found Engine run - no leaks. Peter Wietkowski: 2739839	
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02/01/2022
Tach: 4150
PropSMO: 650

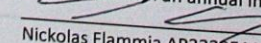
Lawrence Airmotive LLC
603-479-2067
LWMAirmotive@outlook.com

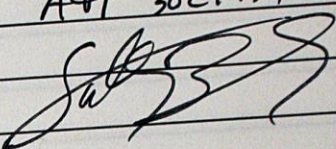


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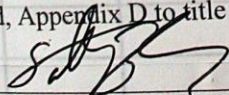
N56425
ESMO: 281

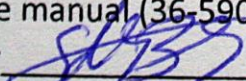
Complied with an annual inspection in accordance with FAR 43 appendix D and Beech F33A annual checklist.
Checked all AD's through bi-weekly 2022-4.
Compression check #1 73 #2 75 #3 74 #4 75 #5 76 #6 76/80.
Removed and replaced 5 spark plugs with new Champions.
Removed and replaced induction filter.
Complied with an oil and filter change. Inspected filter for contamination, none found. Engine serviced with 11qts Phillips 20w/50 X/C1 and a new CH48108-1 filter. Leak checked OK.
Complied with fuel injector service. Cleaned, flow checked, reinstalled and leak checked OK.
Complied with spark plug service. Cleaned, gapped, tested, and rotated when reinstalled.
I certify that this engine has been inspected in accordance with an annual inspected and was determined to be in an airworthy condition.


Nickolas Flammia AP3339511A

DATE	TACH OR RECORDING METER TIME	SIGNATURE & CERTIFICATE NO.
12/2 2022	4235.0	N56425 Drained oil & removed oil filter. cut open oil filter no metal at this time. Serviced with 11 qts Phillips 20w 50 and installed new CH 48109-1 oil filter. test run okay no leaks at this time. with work stated above aircraft is returned to service.
		Scotty Butler A&P 3021434 

02/20/2023
 N56245
 Hour meter time 4,251.99
 TSO 359.89
 100 hour inspection
 Cylinder compression test: #1 70 #2 74 #3 72 #4 70 #5 70 #6 71
 Installed 12 new spark plugs URHB32E and checked timing. Removed and cleaned fuel injectors
 and screens. Install new oil filter AA48109 and, particle checked old filter, changed oil Phillips
 20W50. Changed induction filter BA7112. Washed engine compartment, ran and leak checked
 ok. Researched all airworthiness directives through Bi weekly. I certify that this engine has been
 inspected in accordance with a 100 hour Inspection and was determined to be in airworthy
 condition at this time. Service and inspection data: Hawker Beech service manual 36-590001-9
 and, Appendix D to title 14 CFR part 43.


 Scott Butler 3021434 A&P

April 2 2024 Beechcraft F33A N56425 SN CE-1469
Continental IO-520-BB Serial # 578618 Tach Time: 4,319.3
TTSMOH 427.2 100 Hour: Cold Compression check: #1 72/80 #2 70/80
#3 74/80 #4 72/80 #5 70/80 #6 72/80. Removed spark plugs and
cleaned/tested/Rotated/Reinstalled with new copper gaskets. Removed
and cleaned all 6 fuel injectors. Removed oil filter and cut open no metal
found at this time. Installed new AA 48109 oil filter. Changed induction
filter with new BA-7112. Researched all airworthiness directives this date
thru bi-weekly. I certify that this engine has been inspected IAW 100 HR
inspection and determined to be in airworthy condition at this time. Using
beech service manual (36-59001-9) and 14 CFR 43 APX. D. test run okay.
Scotty Butler  A&P 3021434