



WESTERN
Skyways
INC.

Engines Are Our ONLY Business

Gold Seal Aircraft Engines

ENGINE MAINTENANCE RECORDS

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



WESTERN
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GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
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(800) 575-9929
(970) 249-0232
FAX: (970) 249-4155

Engine Make: CONTINENTAL Model: IO-550-C
Serial Number: 684240 W/O No: W057748 Date: 29 NOV 2021
Warranty Number: K21423 Warranty Start Date: DEC 2021
Crankshaft Serial No: H259703N 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: 1712.4 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:	BL-349350-4	F21IA065R	Prop Gov:	N/A	N/A
R/H Mag:	BL-349350-5	F21DA007R	Wastegate:	N/A	N/A
Fuel Pump:	646212-19A1	B141A284R	Alt/Gen:	N/A	N/A
Inj/Carb:	646637A9	A04LA045	VAPC:	N/A	N/A
Man Valve:	646508-14A3	D229704C	Relief Val.:	N/A	N/A
Starter:	MHJ-4003	H-U122246	Controller:	N/A	N/A
Turbo:	N/A	N/A	Turbo 2:	N/A	N/A
			Pump Vac:	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. All details of this repair are on file at this Repair Station on above work order.

Form 200

Larry
Tino fuel pump

Cylinder S/N	
#1: 526000008347	#5: 52
#2: 526000008348	#6: 52
#3: 526000008357	#7: N
#4: 526000008358	#8: N

AD NOTES COMPLIANCE RECORD

Engine - Continental Motors - IO-550-C

S/N: 684240

Western Skyways Inc.
CRS: WS9R575J
W/O: W057748Appliance - Magnetos - TCM (formerly Bendix) S-1200 series
S/N: F211A065R
S/N: F21DA007RP/N: BL-349350-4
P/N: BL-349350-5
Model: S6RN-1225

Appliance - Cylinder assembly - Superior Air Parts

526000008347
526000008348
526000008357
526000008358
526000008360
526000008363

P/N: SA52006-A23P

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
74-26-08	Bendix magnetos	29 NOV 2021 1712.4 ETT	N/A per magneto model number.	X		Ryan Dickerson WS9R575J <i>RD</i>
82-13-01	Bendix magnetos	29 NOV 2021 1712.4 ETT	Verified green blocks not installed.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
82-20-01	Bendix magnetos	29 NOV 2021 1712.4 ETT	N/A per magneto serial number.	X		Ryan Dickerson WS9R575J <i>RD</i>
86-13-04 R3	Cylinder assemblies	29 NOV 2021 1712.4 ETT	Installed NEW Superior cylinders.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
88-03-06	Oil filter	29 NOV 2021 1712.4 ETT	Affected oil filter not installed.	X		Ryan Dickerson WS9R575J <i>RD</i>
91-19-03	Champion oil filter	29 NOV 2021 1712.4 ETT	Affected oil filter not installed.	X		Ryan Dickerson WS9R575J <i>RD</i>
93-08-17	Incorrect oil pick-up tube	29 NOV 2021 1712.4 ETT	N/A per engine model.	X		Ryan Dickerson WS9R575J <i>RD</i>
93-10-02	Cylinder valve retainer	29 NOV 2021 1712.4 ETT	Installed NEW Superior cylinders.	X		Ryan Dickerson WS9R575J <i>RD</i>
93-16-15	Fuel pumps	29 NOV 2021 1712.4 ETT	Installed fuel pump drive coupling P/N: 653359.	X		Ryan Dickerson WS9R575J <i>RD</i>
94-01-03 R2	Teledyne/Bendix magnetos	29 NOV 2021 1712.4 ETT	N/A per magneto serial number.	X		Ryan Dickerson WS9R575J <i>RD</i>
94-06-06	Teledyne/Bendix magnetos	29 NOV 2021 1712.4 ETT	N/A per magneto serial number.	X		Ryan Dickerson WS9R575J <i>RD</i>
95-03-14	Engine mount cracks	29 NOV 2021 1712.4 ETT	N/A per engine serial number.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
95-21-15	Engine teardown and analytical inspect.	29 NOV 2021 1712.4 ETT	Engine inspected during overhaul.	X		Ryan Dickerson WS9R575J <i>RD</i>

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	Recurring One Time	Next Comp. @ Hrs/Date	Authorized Signature & Number
PL96-01-08	Exhaust roller rocker arms	29 NOV 2021 1712.4 ETT	N/A Roller rocker arms not installed.	X		Ryan Dickerson WS9R575J <i>RD</i>
99-19-01	Crankshaft failure	29 NOV 2021 1712.4 ETT	Not applicable by crankshaft serial number, H259703N.	X		Ryan Dickerson WS9R575J <i>RD</i>
2090-23-21	Fracture of the crankshaft connecting rod journal	29 NOV 2021 1712.4 ETT	Not applicable by crankshaft serial number, H259703N.	X		Ryan Dickerson WS9R575J <i>RD</i>
2004-06-10	Prevent loss of engine power	29 NOV 2021 1712.4 ETT	Installed NEW Superior cylinders.	X		Ryan Dickerson WS9R575J <i>RD</i>
2007-04-19	To prevent cylinder separation that can lead to engine failure	29 NOV 2021 1712.4 ETT	N/A per cylinder part number.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
2007-04-19R1	To prevent cylinder separation that can lead to engine failure	29 NOV 2021 1712.4 ETT	N/A per cylinder part number.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
2006-19-07	Correction - To prevent loss of engine power due to cracks in the cylinder head, possible engine failure, and fire in the engine compartment	29 NOV 2021 1712.4 ETT	Installed NEW Superior cylinders.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
2010-11-04	To prevent excessive hydraulic lifter wear	29 NOV 2021 1712.4 ETT	Installed overhauled lifters P/N: 653888 and 653877.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	29 NOV 2021 1712.4 ETT	N/A fuel injection servo not used on this engine.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
2014-05-29	Superior Air Parts Investment Cast Cylinder Assemblies	29 NOV 2021 1712.4 ETT	N/A per cylinder part number.	X	N/A	Ryan Dickerson WS9R575J <i>RD</i>
2016-16-12	ECL Class 71 or Class 76 Cylinder Assembly Failures	29 NOV 2021 1712.4 ETT	Installed NEW Superior cylinders.	X		Ryan Dickerson WS9R575J <i>RD</i>

TACH OR


WESTERN
Skyways
 INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-550-C

Serial Number: 684240

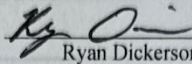
Time: 1712.4 TTE

Work Order: W057748

Date: 29 NOV 2021

Installed Cam Gear P/N: 2078-1. 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

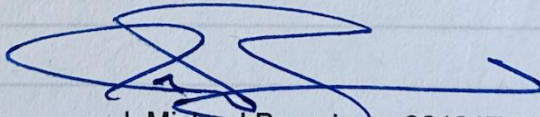
Hillsboro Beechcraft



KHIO Hillsboro Airport

May 12, 2022 N18MD Left Engine TCM IO-550C7F s/n 271787-R Hobbs 2026.3 0 SMOH

Installed IO-550C engine serial 684240 after major overhaul from Western Skyways Inc. Reference Work Order 57748. TTE 1712.4. Engine installed using Baron 55 Maintenance Manual, Baron 55/58 Wiring Diagram Manual, and AC 43.13-1B. Installed D'Shannon improved engine cooling baffles in accordance with STC SA09220SC option C and using installation manual DSP-IM95-4, Rev. E. Installed new CHT and EGT probes from JPI as supplied in JPI790 Kit. Installed new aeroquip AE466 fuel lines. Installed overhauled Delco alternator 1100723 from QAA with new CMI 646655RS elastomeric coupling. Installed new instrument air pump. Installed 10 quarts Aeroshell 100 Mineral Oil. Runup and leak check satisfactory. ~~~ Nothing follows ~~~


 J. Michael Brannigan, 2812174 AP

 Twin Oaks Aircraft Maintenance, LLC
 Daniel W Stark
 12405 SW River Road
 Hillsboro, OR 97123
 danny@twinoaksaircraft.com
 Tach: 2034.7 & LETSMOH: 8.4

 6/21/2022
 Beech D55
 Continental IO-550-C7F
 Hartzell PHC-C3YF-2UF

 N18MD
 S/N: TE-455
 S/N LH: 684240
 RH: 271786-R
 S/N LH: EB3411A
 RH: EB3410A

Completed annual inspection per service manual and FAR 43 appendix D. Changed oil and filter, checked filter and found clean, service with 10 qts. Phillips 20W-50 check for leaks. Compressions: #1- 78/80, #2- 78/80, #3- 78/80, #4- 78/80, #5- 78/80, #6- 78/80. I certify this engine was inspected IAW an annual inspection and was determined to be in airworthy condition.


 Daniel W Stark 2708377 IA

DATE

TACH OR
RECORDING

DESCRIPTION OF WORK PERFORMED -

RK

November 17, 2022 Hobbs: 2136.5
N18MD Continental IO-550-C S/N: 684240
LH ENGINE



Drained oil. Removed oil filter. Installed new oil filter P/N AA48109-2. Installed oil quick drain plug P/N S6250. Serviced engine with 1 pint of CamGuard and 12 qts Phillips XC 20W-50 oil. Ops and leak check good. This engine is approved for return to service with respect to the above work performed.

Maria Vianco A&P# 4522241

W.O. 9677

Hillsboro Beechcraft



KHIO Hillsboro Airport

Jan 20, 2023 N18MD Left Engine TCM IO-550C7F s/n 271786-R Hobbs 2188.9 162.6 SMOH

Drained oil. Installed 10 qts new Philips 20/50XC oil and camguard. Installed new Tempest 108-1 filter. Old filter inspected for contaminants, none noted. Operation check successful.
~~~ Nothing follows ~~~

J. Michael Brannigan, 2812174 AP



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(970) 249-0232 800-575-9929  
Fax: (970) 249-4155  
www.westernskyways.com

Date: 27 January 2023  
Tach time: 156.9  
Total time:

Aircraft Model: Beech D55

#1 Engine Model: Cont IO-550-C

#2 Engine Model:

#1 Prop Model: Hart PHC-C3YF-2UE/EC7663B-2R

#2 Prop Model:

Reg Number N18MD

Hobbs Time: 2196.8

Work Order Number: B001280

Serial Number: TE-455

Serial Number: 684240

Serial Number:

Serial Number: EB8411A

Serial Number:

Total time: 1879.9

Total time:

Total time: Unknown

Total time:

TSO: 167.5

TSO:

TSO: 0

TSO:

Removed engine IO-550-C serial number 684240 for repairs.

Ryan Dickerson

Airframe and Powerplant 2670501

August 23, 2022 Hobbs: 2048.9  
N18MD Continental IO-550-C S/N: 684240  
LH ENGINE



Drained oil. Removed oil filter. Cut open and inspected filter - no defects noted. Installed new oil filter P/N AA48109-2. Installed oil drain plug with new MS35769-11 crush gasket. Serviced engine with 1 pint of CamGuard and 12 qts Phillips XC 20W-50 oil. Ops and leak check good. This engine is approved for return to service with respect to the above work performed.

Maria Vianco A&amp;P# 4522241

W.O. 9623



**WESTERN Skyways**  
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-550-C

Serial Number: 684240

Time: 1879.9 TTE

Work Order: W059904

Date: 28 MAR 2023

DATE

Disassembled engine. Fluorescent penetrant inspected engine mount legs. Replacement VAR crankshaft serial number N08GA087 was visual, dimensional, magnetic particle inspected and ultrasonic inspected per AD 97-26-17 and MSB96-10B. By Aircraft Specialties Services Inc. Reference their 8130-3, W/O: 275829 dated 28 DEC 2022. Magnetic particle inspected 4 connecting rods, crankshaft gear, camshaft gear, counterweights, governor drive and driven gears, idler gear, starter adapter worm shaft and worm gear, fuel pump coupling, magneto drive gears, oil pump drive and driven gears, thru bolts, tach shaft and gears, and rocker arms.

Installed a serviceable crank case, casting # 642001m match # 9B738P certified by DIVCO Inc. Reference their 8130-3, W/O: 136963 dated 18 JAN 2023. Installed a serviceable camshaft, P/N: 654837 certified by Aircraft Specialties Services. Reference their 8130-3, W/O: 277342 dated 21 FEB 2023. Installed overhauled lifters, P/N: 653877 and 653888 certified by Aircraft Specialties Services Inc. Reference their 8130-3, W/O: 277793 dated 02 MAR 2023. Installed two overhauled connecting rods, P/N: 655911, S/N: AE18LA290 in position 5 and S/N: AE18LA286 in position 6. Reference our 8130-3, W/O: W0058645 dated 09 MAY 2021. Installed serviceable oil pump Housing certified under our W/O: W059839 dated 06 MAR 2023. Installed serviceable transfer collar, P/N: 629680 M10 certified under our W/O: W059700 dated 12 DEC 2022.

Four cylinders P/N: SA52006-A; serial numbers (#1) 526000008347, (#2) 526000008348, (#3) 526000008357, (#4) 526000008358, were honed to STD limits and new ring set, P/N: SA5000-SC5 installed. Installed two NEW cylinders, P/N: SA52006-A23P, S/N: (#5) 526000013580 and (#6) 526000013584. Reference Superior Air Parts 8130-3, W/O: SO-00009610 dated 24 JUN 2022. Installed new pistons, P/N: SA654857 and piston pins, P/N: SA630046.

Installed an overhauled Oil Cooler, P/N: 655090, S/N: C02-196-157. Reference Pacific Oil Cooler Service Inc. 8130-3, W/O: 154778 dated 08 MAR 2023. Installed an overhauled Starter, P/N: 646275-1, S/N: T01CA066R. Reference Aerotech of Louisville Inc. 8130-3, W/O: 153345 dated 02 FEB 2023.

Magneto, P/N: BL-349350-4, S/N: F211A065R affected by AD 2022-16-03, effective date, 15 AUG 2022. Inspected magneto per CSB 673, III.B.8.b.1 and III.B.8.b.2 III.B.8.c.1-3. Action complete.

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 I/A/W current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at Western Skyways, Inc. under the above work order.

Signed

Larry Flatten

CRS WS9R575J

FORM 201E



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

Date: 6 April 2023

Tach time: 156.9

Total time:

Aircraft Model: Beech D55

#1 Engine Model: Cont IO-550-C

#2 Engine Model:

#1 Prop Model: Hart PHC-C3YF-2UF/FC7663B-2R

#2 Prop Model:

Reg Number: N18MD

Hobbs Time: 2196.8

Work Order Number: B001280

Serial Number: TE-455

Serial Number: 684240

Serial Number:

Serial Number: EB8411A

Serial Number:

Total time: 1879.9

Total time:

Total time: Unknown

Total time:

TSO: 167.5

TSO:

TSO: 0

TSO:

Installed repaired engine IO-550-C serial number 684240. Reinstalled original engine shock mounts, engine mount bolts, exhaust and baffles. Serviced engine with Aeroshell 100 mineral oil.

Ground run, leak and operational checks good. Checked idle speed, mixture, magneto drops. Performed full power ground run and checked RPM, MAP and fuel flow.

Ry  
Air

Hillsboro Beechcraft

KHIO Hillsboro Airport



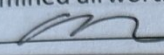
Apr 21, 2023 N18MD Left Engine TCM IO-550C7F 271786R Hobbs 2207.0 180.7 SMOH

Drained mineral oil. Installed 10 qts new Phillips 20/50XC oil. Installed new Tempest AA48108-2 filter. Operation check successful. ~~~ Nothing follows ~~~

J. Michael Brannigan, 2812174 AP



Skinner Aviation Inc.  
403 Dead Indian Memorial Road  
Ashland OR 97520

2-1-2025 N18MD Beech Baron SN: TE-455 TTAF: 5334.6 Hobbs: 2366.9  
Left Engine Continental IO-550-C SN: 684240 TT: 2053.0 TSOH: 340.6  
Maintenance at Annual: Replaced all 12 spark plugs with new. Drained engine oil, changed spin on filter and cut to inspect for debris, none found, serviced with 10 quarts Phillips CX20W-50 and Camguard. Set up idle, idle mixture, unmetered and metered in reference to SID97-3, rev g and IO-550 permold engine operating limitations 6-3.7.1 dated September, 1, 2014. Cylinder compressions as follows: #1 72/80 #2 73/80 #3 72/80 #4 72/80 #5 74/80 #6 74/80. Removed, cleaned, reinstalled and leak checked GAMI injectors, completed form 337 for installation of GAMI injectors on this SN engine. Fabricated and installed new TKS supply tube at the front of the engine. Replaced various engine hoses as needed with new type D hoses. Cleaned, gapped and tested spark plugs. Removed left magneto to verify compliance with AD2022-16-03, verified previous compliance via star stamp and reinstalled. Washed and test ran engine, no leaks. I certify this engine was inspected in accordance with FAR 43 app. D, Annual/100 hr inspection and determined airworthy.  
Andrew Vandenberg  A&P 3737996 IA

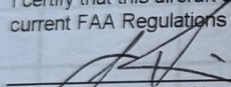
Pacific States Aviation  
CPFR948C  
925-685-4400

Date: 6/19/2025; Aircraft: N18MD; Type: D55; S/N: TE-455; Hobbs: 2441.10; Tach: 367.00; Total Time: 2441.10; Engine 1 Type: , S/N: , Time: , SMOH: ; Prop 1 Type: , S/N: , Time: , SMOH: ; Engine 2, Type: , S/N: , Time: , SMOH: ; Prop 2, Type: , S/N: , Time: , SMOH: ;  
Shop Order #: 25-39063

\*\*\*LH Engine\*\*\*

Pre-run LH engine with TACH 367.0, drained oil, removed oil filter, cut open oil filter and inspected for containments none found. Installed new filter PN : AA48108-2 torqued and safetied, serviced engine with 10 qt of 20W50. Performed operational / leak check. No discrepancies noted at this time.

I certify that this aircraft and/or component has been inspected, repaired, and or overhauled in accordance with current FAA Regulations and was determined to be in airworthy condition and approved for return to service.

  
Juan C. Rivera, Chief Inspector  
Pacific States Aviation, Inc. CPFR948C

N18MD L Eng. IO-550-C  
Engine S/N: 684240  
Date: 04-15-26

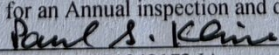


700 Tioga Dr. Hgr #3 Modesto, CA 95354  
(209) 524-1758

Tach/HM: 2483.7  
Total Time: 2169.8  
Time SOH: 457.4  
Work Order: 3507

**LOGBOOK ENTRY:**

Annual inspection this date. Compression check: #1-68, #2-70, #3-68, #4-70, #5-70, #6-70. Spark plugs serviced and reinstalled with new gaskets. Changed oil and filter. Serviced with 10 qts Phillips X/C 20W-50 oil and Camguard. Installed new CH48108 oil filter. Old filter inspected, no visible contamination. I certify that this Engine has been inspected in accordance with the requirements of FAR 43, App. D and Maintenance Manual for an Annual inspection and determined to be in an airworthy condition.

Signature: 

Paul S. Kline A&P 571942173 IA

Bay Area Beech

[www.bayareabeech.com](http://www.bayareabeech.com)



Oct 12, 2026 N18MD Left Engine IO-550-C SN 684240 Hobbs 2535.3 TT 2221.4 SMOH 509.0

---

Drained engine oil. Removed and replaced oil filter with new Champion AA48108. Serviced with 10 qts Phillips X/C 20W-50 and 1 pt CamGuard. Leak check good.

~~~ Nothing follows ~~~

A handwritten signature in blue ink, appearing to read 'J. Michael Brannigan'.

J. Michael Brannigan, 2812174 AP