



**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](http://www.westernskyways.com)

**WESTERN SKYWAYS, INC.**  
**Gold Seal Three Year Engine Warranty**

ENGINE IO-520-K

Date 08 JUL 2021

SERIAL NUMBER 557266

WORK ORDER # W057740

WARRANTY NUMBER G21078

**ENGINE WARRANTY**

Western Skyways, Inc. warrants the GOLD SEAL aircraft engine to be free from defects in material and workmanship under normal use for THREE (3) YEARS or TBO "whichever occurs first" from date of installation or beginning THIRTY (30) days after shipment, whichever comes first.

**ACCESSORY WARRANTY**

Western Skyways, Inc. warrants all Accessories to include Fuel Systems, Magnetos, Starter, Alternator and Turbo Charger where applicable for ONE (1) YEAR from the date the engine is placed in service.

**TERMS AND CONDITIONS**

1. This warranty covers 100% parts and labor under normal use and in accordance with current engine manufactures maintenance schedules or the warranty is void. Oil leaks after six months and pilot caused detonations are not covered.
2. Warranty service may be accomplished at facilities other than WESTERN SKYWAYS but ONLY AFTER PRIOR WRITTEN APPROVAL from WESTERN SKYWAYS and provided all work is performed at prevailing rates. WESTERN SKYWAYS retains the option to furnish any parts or accessories required for warranty service.
3. This warranty does not include shipping expense, mileage and subsistence charges such as hotels, airlines and food.
4. This warranty is VOID on any engine or accessory repaired or altered outside the WESTERN SKYWAYS facilities without prior written approval from WESTERN SKYWAYS. This warranty is also VOID on any engine which has been operated contrary to the manufacturer's operating instructions or which, in WESTERN SKYWAYS sole opinion, has been subject to misuse, neglect, accident or use of improper fuel.
5. Warranty repair or replacement of any part shall not extend this warranty beyond the original warranty time or hour limitation "but any repairs or replacement" will be warranted for the remainder of the original warranty period.
6. **DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY** WESTERN SKYWAYS' EXPRESS WARRANTIES AND THE REMEDIES THEREUNDER ARE EXCLUSIVE AND GIVEN IN PLACE OF (a) ALL OTHER WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY, FITNESS OR PARTICULAR PURPOSE, OR IMPLIED WARRANTY ARISING FROM PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE AND (b) ALL OTHER OBLIGATIONS, LIABILITIES, RIGHTS, CLAIMS OR REMEDIES, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY RIGHT OR REMEDIES IN CONTRACT, TORT, STRICT LIABILITY OR ARISING FROM WESTERN SKYWAYS' NEGLIGENCE, ACTUAL OR IMPUTED.
7. WESTERN SKYWAYS OBLIGATIONS AND PURCHASER'S REMEDIES UNDER WESTERN SKYWAYS EXPRESS WARRANTIES ARE LIMITED TO WESTERN SKYWAYS' CHOICE OF REFUND, REPAIR OR REPLACEMENT ON AN EXCHANGE BASIS AND INCLUDING LIABILITY FOR INCIDENTAL, SPECIAL, CONSEQUENTIAL OR ANY OTHER DAMAGES, INCLUDING WITHOUT LIMITATION, ANY LIABILITY OF CUSTOMER TO A THIRD PARTY OR FOR ECONOMIC LOSS, REPLACEMENT COST, COST OF CAPITAL, LOST REVENUE, LOST PROFITS, OR LOSS OF USE OR DAMAGE TO AN AIRCRAFT, ENGINE, COMPONENT OR OTHER PROPERTY IN NO EVENT WILL WESTERN SKYWAYS' LIABILITY EXCEED THE ORIGINAL COST OF THE ENGINE.
8. Unless modified by a written agreement signed by Western Skyways, Inc., this warranty represents the complete and exclusive agreement between purchaser and Western Skyways, with respect to this engine, superseding all prior agreements between the parties relating to the subject of this warranty other than Western Skyways, and you should not rely on any such representation.
9. Written notice of any warranty claim must be submitted to Western Skyways within thirty (30) days of a suspected defect in material or workmanship and the engine must be made available for inspection within thirty (30) days after the claim has been made.

# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. N4038B

Engine Manufacturer CONTINENTAL

Model TIO-520-K

Serial No. 557266

Date installed on aircraft 7 FEB 2022

Time Between Overhauls (TBO) 1700 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) 675-9929  
(970) 248-0232  
FAX: (970) 248-4155

Engine Make: CONTINENTAL

Model: IO-520-K

Serial Number: 557266

W/O No: W057740

Date: 08 JUL 2021

Warranty Number: G21078 3 YR WARR

Warranty Start Date: JUL 2021

Crankshaft Serial No: J159810N

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: UNKNOWN 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-500556-1	D21DA263R	Prop Gov:	N/A	N/A
R/H Mag:	BL-500556-1	D21DA264R	Wastegate:	N/A	N/A
Fuel Pump:	646212-23A1	B04FA217R	Alt/Gen:	N/A	N/A
Inj/Carb:	629703-2A3	J247506A	VAPC:	N/A	N/A
Man Valve:	631351-17A1	C04FA166R	Relief Val.:	N/A	N/A
Starter:	C12ST5 NEW	H-V041175	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. 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: 526000005269	#5: 526000005275
#2: 526000005270	#6: 526000005280
#3: 526000005273	#7: N/A
#4: 526000005274	#8: N/A

## AD NOTES COMPLIANCE RECORD

07/08/2021

Engine - Continental Motors - IO-520-K

557266

Western Skyways, Inc  
CRS WS9R575J  
W/O: W057740

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

D21DA263R  
D21DA264RBL-500556-1  
BL-500556-1  
Model: S6RSC-25

Appliance - Cylinder assembly - Superior Air Parts

526000005269  
526000005270  
526000005273  
526000005274  
526000005275  
526000005280

SA52006-A20P

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
70-14-07 R2	Fuel injection pump needle	8 July 2021 Unknown TTE	Verified new style bypass needle installed.	X			Ryan Dickerson WS9R575J <i>PD</i>
74-26-09	Bendix magnetos	8 July 2021 Unknown TTE	Not applicable by magneto part number.	X			Ryan Dickerson WS9R575J <i>PD</i>
77-13-22 R1	Crankcase cracks	8 July 2021 Unknown TTE	Not Applicable, new Style "logo" case installed.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
79-05-09	Oil pressure relief valve	8 July 2021 Unknown TTE	Verified current design relief valve and plunger installed.	X			Ryan Dickerson WS9R575J <i>PD</i>
80-01-04	Cylinder holddown flanges	8 July 2021 Unknown TTE	Installed new Superior cylinders.	X			Ryan Dickerson WS9R575J <i>PD</i>
81-24-06	Fuel pump	8 July 2021 Unknown TTE	Not applicable by fuel pump serial number.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
82-20-01	Bendix magnetos	8 July 2021 Unknown TTE	Not applicable by magneto serial number.	X			Ryan Dickerson WS9R575J <i>PD</i>
86-13-04 R3	Cylinder assemblies	8 July 2021 Unknown TTE	Installed new Superior cylinders.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
88-03-06	Oil filter	8 July 2021 Unknown TTE	No oil filter installed or supplied at this time.	X			Ryan Dickerson WS9R575J <i>PD</i>
91-19-03	Champion oil filter	8 July 2021 Unknown TTE	No oil filter installed or supplied at this time.	X			Ryan Dickerson WS9R575J <i>PD</i>
93-08-17	Incorrect oil pick-up tube	8 July 2021 Unknown TTE	Not applicable by engine serial number.	X			Ryan Dickerson WS9R575J <i>PD</i>
93-10-02	Cylinder valve retainer	8 July 2021 Unknown TTE	Installed new Superior cylinders.	X			Ryan Dickerson WS9R575J <i>PD</i>
94-01-03 R2	Teledyne/Bendix magnetos	8 July 2021 Unknown TTE	Not applicable by magneto serial number.	X			Ryan Dickerson WS9R575J <i>PD</i>
94-06-09	Teledyne/Bendix magnetos	8 July 2021 Unknown TTE	Not applicable by magneto part number and serial number.	X			Ryan Dickerson WS9R575J <i>PD</i>

07/08/2021

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
95-21-15	Engine teardown and analytical inspect.	8 July 2021 Unknown TTE	Engine inspected during overhaul.	X			Ryan Dickerson WS9R575J <i>PD</i>
97-26-17	CORRECTION - Crankshaft fatigue cracks	8 July 2021 Unknown TTE	VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.		X	Crankshaft removal.	Ryan Dickerson WS9R575J <i>PD</i>
PL98-01-08	Exhaust roller rocker arms	8 July 2021 Unknown TTE	N/A, roller rockers not installed.	X			Ryan Dickerson WS9R575J <i>PD</i>
98-17-11	Crankshafts	8 July 2021 Unknown TTE	Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.	X			Ryan Dickerson WS9R575J <i>PD</i>
99-19-01	Crankshaft failure	8 July 2021 Unknown TTE	Not applicable by engine and crankshaft serial number.	X			Ryan Dickerson WS9R575J <i>PD</i>
2000-23-21	Fracture of the crankshaft connecting rod journal	8 July 2021 Unknown TTE	Not applicable by crankshaft serial number.	X			Ryan Dickerson WS9R575J <i>PD</i>
2004-08-10	Prevent loss of engine power	8 July 2021 Unknown TTE	Installed new Superior cylinders.	X			Ryan Dickerson WS9R575J <i>PD</i>
2007-04-19	To prevent cylinder separation that can lead to engine failure	8 July 2021 Unknown TTE	Not applicable by cylinder part number.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
2007-04-19R1	To prevent cylinder separation that can lead to engine failure	8 July 2021 Unknown TTE	Not applicable by cylinder part number.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
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	8 July 2021 Unknown TTE	Installed new Superior cylinders.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
2010-11-04	To prevent excessive hydraulic lifter wear	8 July 2021 Unknown TTE	Installed overhauled lifters part numbers 653877 and 653888.		X	Lifter replacement	Ryan Dickerson WS9R575J <i>PD</i>
2012-03-06	To prevent an in-flight shutdown due to a failed fuel servo diaphragm	8 July 2021 Unknown TTE	N/A, fuel servo not used on this engine.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
2014-05-29	Superior Air Parts Investment Cast Cylinder Assemblies	8 July 2021 Unknown TTE	Not applicable by cylinder part number.		X	NA	Ryan Dickerson WS9R575J <i>PD</i>
2016-16-12	ECI Class 71 or Class 76 Cylinder Assembly Failures	8 July 2021 Unknown TTE	N/A, No affected cylinders installed.	X			Ryan Dickerson WS9R575J <i>PD</i>



DATE

TACH OR  
RECORDING

## DESCRIPTION OF WORK PERFORMED –

SIGNATURE &amp; CERTIFICATION OF PERSON PERFORMING WORK

**WESTERN**  
*Skyways*  
INC.**GOLD SEAL AIRCRAFT ENGINES**

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: IO-520-K

Serial Number: 557266

Time: Unknown TTE

Work Order: W057740

Date: 8 July 2021

Removed Continental fuel nozzles and installed General Aviation Modifications Inc GAMInjectors Kit No GAD13B S/N 30090 STC No. SE9217SC per GAMInjectors Installation Procedure IP-96-001 (Rev 005) dated 11 Oct 2002. No change in Weight or Balance. Filed 337 form.

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

# Engine Logbook

Page No. \_\_\_\_\_

Year _____	Date _____	Tach/Hour Time	Total Time in Service	Registration No. _____	Serial No. _____	Authorized Signature Certificate Number
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Reg. No. N4038B

## ENGINE

19-Aug-2022

I certify this engine has been inspected IAW a **100 HOUR** inspection per 14 CFR Part 43 Appendix D, and is determined to be airworthy at this time.

TTAF	2,953.8
Tach	1,162.8
ETSN	2,444.7
ETSO	0.0

All Engine AD's Complied with at this time, see overhaul records.

Re-installed Engine, Cont IO-520-K, S/N 557266, IAW Bellanca Maint Manual & IPC using Lord Engine mounts J-12453-1&2 and serviced with 12 quarts of Phillips X/C 20W50. Ops check good.

INSTALLED ENGINE IN  
AIRFRAME 7 FEB 22 RML

Authorized Signature

A/P 2717986