

**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 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.
- 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.
- 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 USAGEOF 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 INCEDENTAL, 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.
- 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 I	Registration No	14038B
Engine N	Manufacturer <u>Colf</u>	TINENTAL
	o. 557266	
Date ins	talled on aircraft2	FEB 2011
Time Be	tween Overhauls (T	BO) Hours
	If used on multi-	engine aircraft:
	RIGHT	☐ LEFT
	☐ FRONT	REAR
	WESTED.	
$\langle \rangle$	<u> M</u> ESTER	N
	Skyway	<b>Q</b> NC.
_		
AND WIND		ITY TRANSFER REQUEST
	Name:	
Address:		New Owner's Name:
		Phone:Address:
4		
To 2		Date Installed:
Engine Model:		Aircraft Model/year:
Engine Serial:		

Signature of Current Owner:

Numbers of Hours Since Installed:\_

Date of Transfer:



#### GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401

(970) 249-0232 FAX: (970) 249-4155

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
	1		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.

Form 200

Signature: Repair Station No. WS9R575.

Cylinder S/N	Cylinder S/N
#1: 526000005269	#5: 526000005275
#2: 526000005270	#6: 526000005280
#3: 526000005273	#7: N/A
44: 526000005274	#8: N/A

STORE OF THE Part I Par		E	COST IS	AD N	OTES CO	MPLIANCE RECORD	11	CHIMI	07/08/2021	
Williams - Magnetias - TOM (formarly Bendiq) 3-20 series D21DAR259 BL - D20050-1 Bl -	ngine - Cont	tinental Motors	- IO-520-K	557266	We	estern Skyways. Inc		FERIFO	ON BAIMER	K
DOI-DOS-FOR BL-500555-1 Model: \$50555-1 Model: \$50555-1 Model: \$50555-1 Model: \$50555-1 Model: \$50555-1 Model: \$50555-2 Model:	nulla	loonet			W/	O: W057740				
ADM Applicable S.B. # & Subject	ррнапсе - М	agnetos - TCM	(cornerly Bendix)		BL-	-500556-1				
Applicable S.B. # & Subject  Brind's regretor pump recode  3. July 2021  Verified new style typicas needle installed.  X. MA Wilder S.B. # & Subject  Brind's regretor pump recode  3. July 2021  Verified new style typicas needle installed.  X. MA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. MA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. MA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode installed.  X. NA Wilder S.B. # & Subject  Applicable sy regretor pump recode instal	ppliance - C	ylinder assemb	oly - Superior Air Pa		69 SA					
Applicable S.B. # & Sulgect  Applicable S.B. # & Sulgect  Date & Hours & Mathod of Compiliance  ### Applicable S.B. # & Sulgect    Applicable S.B. # & Sulgect   Applicable S.B. # & Sulge				5260000052	73					
### Proof Precision pump received ### April 2017 ##								-		
### Proof Precision pump received ### April 2017 ##	CANADAR				Date &		9	9		
Five Precision pump needle  3	AD#		Applicable S.B.	# & Subject	Hours @	Method of Compliance	e Tim	Next Comp. @ Hrs/Date	Signature &	
Unknown TTE  Applicable S. B. # Applicable S. B. # A Subject  Applicable or superior serial number.  Wissers S. J. # Appl	0-14-07 R2	Fuel injection	pump needle				$\vdash$			
Subj. 2011  Subj.	4-26-09	Bendix magne	etos		8 July 2021	The same of the sa	Н		WS9R575J P	
A particular of the company and a processor present of the company	7-13-22 R1	Crankcase cra	acks		8 July 2021	Ann. IAGO 38 STERVORNOSTRA	Н	Sec.		,
Subject   Subj	9-05-09	Oil pressure n	relief valve		8 July 2021		$\vdash$	C NA		
Unknown TEI  A Bandix magneton  Bendix magneton  Bendix magneton  Cylinder assemblies  Cylind	0-01-04	Cylinder holds	down flanges		8 July 2021	installed.	Н		WS9R575J P	
Company   Comp	1-24-06	Fuel pump			8 July 2021	The same of the sa	$\vdash$		WS9R575J PJ	
Unknown TTE	2-20-01	Bendix magne	etos		Unknown TTE		$\vdash$	K NA		
Unknown TTE    July 2021   Jul	6-13-04 R3	Cylinder asse	emblies		Unknown TTE		H		WS9R575J (2)	# = = = = = = = = = = = = = = = = = = =
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Unknown TTE  8 July 2021 Unknown TTE  8 July 2021 Unknown TTE  9 July 2021 Unknown TTE  10 July	1-19-03	Champion oil	filter		Unknown TTE		×		Ryan Dickerson WS9R575J	
ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  ADB Applicable S.B. 8 & Subject Hurnown TTE Comp.  Applicable S.B.	3-08-17				Unknown TTE		x		Ryan Dickerson	-
Installed new Superior cylinders.   X	3-10-02	1 "			Unknown TTE	The state of the second of the	×		Ryan Dickerson	
AD\$ Applicable S.B. # & Subject Date & Method of Compliance WSR575J Date & Method of Compliance Date & Method Date					Linknown TTE	Installed new Superior cylinders.	x	1	Ryan Dickerson	
AD# Applicable S.B. # & Subject Date & Hours @ Comp.  Applicable S.B. # & Subject Date & Date & Method of Compliance # Subject Date & Method Signature & Subject Date & Method Signature & Method Signature & Subject Date & Method Signature & Method Signature & Subject Date & Su	4-01-03 R2	Teledyne/Ban	ndix mannetos						1100110100	
AD# Applicable S.B. # & Subject    Date & Hours @ Comp.  B-21-15    Engine teardown and analytical inspect.    B-21-15    Engine inspected during overhaul.    B-21-15    Engine inspected during overhaul.    B-2					8 July 2021 Unknown TTE	Not applicable by magneto serial number.	+		Ryan Dickerson	
Engine teardown and analytical inspect.  8 July 2021 Unknown TTE  18 J					8 July 2021 Unknown TTE 8 July 2021	Not applicable by magneto part number and serial	x		Ryan Dickerson WS9R575J Ryan Dickerson	
L98-01-08 Exhaust roller rocker arms  B. July 2021 Unknown TTE  A-17-11 Crankshafts  B. July 2021 Unknown TTE  A-19-01 Crankshaft serial number.  Crankshaft serial number.  D00-23-21 Fracture of the crankshaft connecting rod journal  B. July 2021 Unknown TTE  D00-023-21 Fracture of the crankshaft connecting rod journal  D00-024-01 Drawn TTE  D00-025-04-19 To prevent cylinder separation that can lead to engine failure  D07-04-191 To prevent cylinder separation that can lead to engine engine comparation that can lead to engine	1-06-09	Teledyne/Ben	ndix magnetos	2021-14	8 July 2021 Unknown TTE 8 July 2021 Unknown TTE	Not applicable by magneto part number and serial	x		Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J	
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Work Order 266197 dated 9 June 2021.  Work Order 266197 dated 9 June 2	'age 2 AD#	of 2	Applicable S.B.	# & Subject inspect.	B July 2021 Unknown TTE B July 2021 Unknown TTE  Date & Hours @ Comp.  B July 2021 Unknown TTE	Not applicable by magneto part number and serial number.  Method of Compliance  Engine inspected during overhaul.	× × One Time	Next Comp.	Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J  07/08/2021  Authorized Signature & Number	
Unknown TTE    Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Suly 2021   Unknown TTE   Unknown TTE   Unknown TTE   Suly 2021   Unknown TTE   Unkno	44-05-09  2 age 2  AD#	of 2	Applicable S.B.	# & Subject inspect.	B July 2021 Unknown TTE B July 2021 Unknown TTE  Date & Hours @ Comp. B July 2021 Unknown TTE	Not applicable by magneto part number and serial number.  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services. Inc 8130-3	X X One Time X	Crankshaft	Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J  07/08/2021  Authorized Signature & Number  Ryan Dickerson WS9R576J  Ryan Dickerson	
Section   Crankshaft failure   Supplication   Sup	4-06-09  age 2  AD#  05-21-15	of 2  Engine teardo	Applicable S.B. own and analytical	# & Subject inspect.	B July 2021 Unknown TTE B July 2021 Unknown TTE  Date & Hours @ Comp. B July 2021 Unknown TTE B July 2021 Unknown TTE B July 2021 Unknown TTE B July 2021	Not applicable by magneto part number and serial number.  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, inc 8130-3 Work Order 266197 dated 9 June 2021.	X X One Time X	Crankshaft	Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J  07/08/2021  Authorized Signature & Number  Ryan Dickerson WS9R575J  Ryan Dickerson WS9R575J	
Prevent loss of engine power   B. July 2021   Unknown TTE   Unknown TT	/age 2  AD#  25-21-15 27-28-17	of 2  Engine teards  CORRECTIO	Applicable S.B. own and analytical	# & Subject inspect.	B July 2021 Unknown TTE  B July 2021 Unknown TTE  Date & Hours @ Comp.  8 July 2021 Unknown TTE  8 July 2021 Unknown TTE  8 July 2021 Unknown TTE  B July 2021 Unknown TTE  B July 2021	Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional	X X X One Time X X	Crankshaft	Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J  07/08/2021  Authorized Signature & Number  Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J	
Installed new Superior cylinders.	AD#  AD#  15-21-15  17-26-17	of 2  Engine teardo  CORRECTIO  Exhaust roller  Crankshafts	Applicable S.B. own and analytical DN - Crankshaft fatir	# & Subject inspect.	B July 2021 Unknown TTE B July 2021 Unknown TTE  Date & Hours @ Comp.  8 July 2021 Unknown TTE Unknown TTE B July 2021	Method of Compliance  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle Inspected.	X X X One Time X X X	Crankshaft	Ryan Dickerson WSSR575.J  Ryan Dickerson WSSR575.J  07/08/2021  Authorized Signature & Number  Ryan Dickerson WSSR575.J  Ryan Dickerson	
Unknown TTE    Value	/age 2 AD# 95-21-15 97-28-17 PL98-01-08 98-17-11	of 2  Engine teardo  CORRECTIO  Exhaust roller  Crankshaft fa	Applicable S.B. own and analytical N - Crankshaft fatir	# & Subject inspect. igue cracks	B July 2021 Unknown TTE  B July 2021 Unknown TTE  Date & Hours @ Comp.  B July 2021 Unknown TTE  B July 2021	Method of Compliance  Engine inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number	X X X X X X X X	Crankshaft	Ryan Dickerson WSSR575J  Ryan Dickerson WSSR575J  07/08/2021  Authorized Signature & Number  Ryan Dickerson WSSR575J  Ryan Dickerson	
failure Unknown TTE  1007-04-19R1 To prevent cylinder separation that can lead to engine allure. Unknown TTE Unkno	4-06-09  age 2  AD#  15-21-15  17-26-17  PL98-01-08  18-17-11  190-19-01	of 2  Engine teardo  CORRECTIO  Exhaust roller  Crankshafts  Crankshaft fa	Applicable S.B. own and analytical DN - Crankshaft fati r rocker arms	# & Subject inspect. igue cracks	B July 2021 Unknown TTE  B July 2021 Unknown TTE  Date & Hours @ Comp.  8 July 2021 Unknown TTE  8 July 2021	Method of Compliance  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle Inspected.  Not applicable by engine and crankshaft serial number.	× × × One Time × × × × ×	Crankshaft	Ryan Dickerson WS9R575.J Ryan Dickerson WS9R576J  07/08/2021  Authorized Signature & Number  Ryan Dickerson WS9R575.J Ryan Dickerson	
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in the cylinder head, possible engine failure, and fire in the Unknown TTE engine compartment	AD#  AD#  D5-21-15  07-26-17  PL98-01-08  98-17-11  2000-23-21  2004-08-10  2007-04-19	of 2  Engine teardor  CORRECTIO  Exhaust roller  Crankshaft fa  Fracture of th  Prevent loss of  To prevent cy failure  To prevent cy	Applicable S.B. own and analytical ON - Crankshaft fati r rocker arms	# & Subject  inspect. igue cracks  ecting rod journal  hat can lead to engine	B July 2021 Unknown TTE	Method of Compliance  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnelic particle inspected.  Not applicable by engine and crankshaft serial number.  Not applicable by crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.	X X X X X X X X X X X X X X X X X X X	X Crankshaft removal .	Ryan Dickerson WS9R575.J  Ryan Dickerson WS9R575.J  Authorized Signature & Number  Ryan Dickerson WS9R575.J	
1010-11-04 To prevent excessive hydraulic lifter wear 8 July 2021 Installed overhauled lifters part numbers 653877 and Ulifter Ryan Dickerson	age 2  AD#  15-21-15  17-26-17  PL98-01-08  18-17-11  19-19-01  1004-08-10  1007-04-19R1	of 2  Engine teardo  CORRECTIO  Exhaust roller  Crankshaft fa  Fracture of th  Prevent loss of  To prevent cy failure  To prevent cy failure  Correction - T	Applicable S.B.  own and analytical  IN - Crankshaft fati  r rocker arms  altiture  the crankshaft connection of engine power  Altinder separation to	# & Subject  inspect.  igue cracks  ecting rod journal  hat can lead to engine hat can lead to engine	B July 2021 Unknown TTE  B July 2021 Unknown TTE  B July 2021 Unknown TTE  8 July 2021 Unknown TTE	Method of Compliance  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3Work Order 268197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number.  Not applicable by crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.	X X X X X X X X X X X X X X X X X X X	X Crankshaft removal .	Ryan Dickerson WSSR575.J  Ryan Dickerson WSSR575.J  O7/08/2021  Authorized Signature & Number  Ryan Dickerson WSSR575.J	
	AD# 5-21-15 7-26-17 PL98-01-08 18-17-11 19-19-01 1000-23-21 10004-08-10 1007-04-19 1007-04-19R1	of 2  Engine teardo  CORRECTIO  Exhaust roller  Crankshaft fa  Fracture of th  Prevent loss of the country failure  To prevent cy failure  Correction - T in the cylinder engine compa	Applicable S.B.  Applicable S.B.  Own and analytical  ON - Crankshaft fati  r rocker arms  allure  the crankshaft connection of engine power  Alinder separation to the ad, possible enarment	# & Subject  inspect. inspect. igue cracks  ecting rod journal  that can lead to engine that can lead to engine engine power due to cracks igine failure, and fire in the	B July 2021 Unknown TTE  B July 2021 Unknown TTE  B July 2021 Unknown TTE  8 July 2021	Method of Compliance  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3Work Order 268197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number.  Not applicable by crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.	X X X X X X X X X X X X X X X X X X X	Crankshaft removal .	Ryan Dickerson WS9R575J Ryan Dickerson WS9R575J  O7/08/2021  Authorized Signature & Number  Ryan Dickerson WS9R575J Ryan Dickerson	
1012-03-06 To prevent an in-flight shutdown due to a failed fuel servo 8 July 2021 N/A, fuel servo not used on this engine.	AD#  5-21-15  7-26-17  PL98-01-08  8-17-11  9-19-01  9000-23-21  9007-04-19R1  9007-04-19R1	of 2  Engine teardo CORRECTIO Exhaust roller Crankshafts Crankshaft fa Fracture of th Prevent loss of To prevent cy failure To prevent cy failure Correction - T in the cylinder engine compa	Applicable S.B.  Own and analytical  DN - Crankshaft fati  r rocker arms  fillure  the crankshaft connection of engine power  recording power	# & Subject  Inspect.  igue cracks  ecting rod journal  that can lead to engine that can lead to engine singine power due to cracks agine failure, and fire in the lifter wear	B July 2021 Unknown TTE B July 2021 Unknown TTE  Date & Hours @ Comp.  8 July 2021 Unknown TTE	Method of Compliance  Engine inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number.  Not applicable by crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.  Installed new Superior cylinders.  Installed new Superior cylinders.  Installed new Superior cylinders.	X X X X X X X X X X X X X X X X X X X	X Crankshaft removal .	Ryan Dickerson WS9R575J  Ryan Dickerson WS9R575J  Authorized Signature & Number  Ryan Dickerson WS9R575J  Ryan Dickerson	
2014-05-29 Superior Air Parts Investment Cast Cylinder Assemblies 8 July 2021 Not applicable by cylinder part number.	AD#  AD#  15-21-15  17-26-17  19-19-01  1000-23-21  10007-04-19R1  10009-19-07	of 2  Engine teardor  CORRECTIO  Exhaust roller  Crankshaft fa  Fracture of th  Prevent loss of tailure  To prevent cy failure  Correction - T in the cylinder engine computor of the cylinder engine computor	Applicable S.B.  Own and analytical  DN - Crankshaft fati  r rocker arms  fillure  the crankshaft connection of engine power  recording power	# & Subject  Inspect.  igue cracks  ecting rod journal  that can lead to engine that can lead to engine singine power due to cracks agine failure, and fire in the lifter wear	B July 2021 Unknown TTE	Method of Compliance  Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number.  Not applicable by crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.  Installed new Superior cylinders.  Installed new Superior cylinders.	One Time ×	X Crankshaft removal .  X NA X NA X NA X NA X NA X Lifter replacement	Ryan Dickerson WS9R575J  Ryan Dickerson WS9R575J  Authorized Signature & Number  Ryan Dickerson WS9R575J  Ryan Dickerson	
2016-16-12 ECI Class 71 or Class 76 Cylinder Assembly Failures 8 July 2021 N/A No affected cylinders installed Ryan Dickerson	2*406-09 2*406-29 2*408-2 AD# 95-21-15 97-28-17 PL98-01-08 98-17-11 99-19-01 2007-04-19 2007-04-19 2007-04-19 2007-04-19 2012-03-06	of 2  Engine teardor CORRECTIO  Exhaust roller Crankshafts Crankshaft fa Fracture of th Prevent loss or To prevent cy failure To prevent cy failure To prevent or To preve	Applicable S.B. own and analytical on - Crankshaft fati r rocker arms allure the crankshaft connected arms for engine power dinder separation to for prevent loss of er r head, possible er arment xcessive hydraulic in in-flight shutdown	# & Subject  inspect.  igue cracks  ecting rod journal  hat can lead to engine hat can lead to engine engine power due to cracks agine failure, and fire in the lifter wear in due to a failed fuel servo	B July 2021 Unknown TTE  B July 2021 Unknown TTE	Method of Compliance  Engine inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3 Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number.  Not applicable by crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.  Installed new Superior cylinders.  Installed new Superior cylinders.  Installed overhauled lifters part numbers 653877 and 653888.  N/A, fuel servo not used on this engine.	One Time ×	X Crankshaft removal .  X NA  X NA	Ryan Dickerson WS9R575J  Ryan Dickerson WS9R575J  Authorized Signature & Number  Ryan Dickerson WS9R575J  Ryan Dickerson RS9R575J  Ryan Dickerson	
WOSKING WOSKING W	24-01-03 R2 24-01-03 R2 24-06-09 29-29-2 AD# 29-29-15 29-2-17 29-19-01 2000-23-21 2004-08-10 2007-04-19-1 2009-19-07 2010-11-04 2012-03-06 2014-05-29 2016-16-12	of 2  Engine teardor  CORRECTIO  Exhaust roller  Crankshaft a  Fracture of th  Prevent loss of  To prevent cy failure  Correction - T in the cylinder  angine compa  To prevent extended and the compa  To prevent extended and th	Applicable S.B.  Applicable S.B.  own and analytical DN - Crankshaft fation of engine power willinder separation to the company of the power of engine power willinder separation to the company of the c	# & Subject  inspect.	B July 2021 Unknown TTE  B July 2021 Unknown TTE	Method of Compliance  Engine Inspected during overhaul.  VAR crankshaft S/N: J159810N was Ultrasonic inspected, see Aircraft Specialties Services, Inc 8130-3Work Order 266197 dated 9 June 2021.  N/A, roller rockers not installed.  Crankshaft S/N: J159810N was visual, dimensional and magnetic particle inspected.  Not applicable by engine and crankshaft serial number.  Installed new Superior cylinders.  Not applicable by cylinder part number.  Installed new Superior cylinders.  Installed new Superior cylinders.  Installed new Superior cylinders.  Installed overhauled lifters part numbers 653877 and 653888.  N/A, fuel servo not used on this engine.  Not applicable by cylinder part number.	One Time ×	X Crankshaft removal .  X NA  X NA	Ryan Dickerson WS9R575J  Authorized Signature & Number  Ryan Dickerson WS9R575J  Ryan Dickerson	

TACH OR RECORDING

### DESCRIPTION OF WORK PERFORMED -

0	WEST	FKN
$\gg$	Skyu	rays
	GOLD SEAL AIRCI	RAFT 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 GAMIjectors Kit No GAD13B S/N 30090 STC No. SE9217SC per GAMIjectors 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.

CRS# WS9R575J

FORM 201E

			Engine Logbook		Page No
	Tach/Hou	Total Time	Registration No Serial No		Authorized Signature
te	Time	in Service	Enter a description of the maintenance, repair, alteration	or test performed	Certificate Number
	Reg. No.		ENGINE	19-/	Aug-2022
-		angino has he	en inspected IAW a 100 HOUR inspection per 14 CFR Pained to be airworthy at this time.	TTAF Tach ETSN ETSO	2,953.8 1,162.8 2,444.7 0.0
	All Engine A	D's Complied	with at this time, see overhaul records.	PC using Lord Engi	
	12453-1&2	and serviced v	with 12 quarts of Phillips XIC 20W50. Ops check ground.  Authorized Signature	1/Sam	
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