

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



GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 (800) 575-9829 (970) 249-0232

Engine Make: CONTINENTAL	Model: IO-550-N	
Serial Number: 691442	W/O No: <u>W054016</u> Date:	16 FEB 2018
Warranty Number: B18048	Warranty Start Date: 02/18	
Crankshaft Serial No: N07HA155	_Cylinder Part Number: CMI 658	3595-A2BP NEW
This engine and accessories listed below were overhon: M-16 and Western Skyways, Inc. Rep. Hylomar Sealant" dated 11/10/2010 on all Teledyne applicable. See back section for Airworthiness Direrun in a test cell. Total Previous Time: 1539.7	air Specification WSI-100 "Use and A Continental Motor Engines and Lyco	Application of oming Engines as
This engine meets requirements of CONTINENTA	L M-0 for 2000.0	Hour TBO
The accessories listed below were Nev	v or Overhauled and supplied with thi	is engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	BL-500556-101	D17FA182R	Vac Pump:	N/A	N/A
R/H Mag:	BL-500556-101	D17GA031R	Wastegate:	N/A	N/A
Fuel Pump:	ETI-SR22-2-12	GP5090	Alt/Gen:	N/A	N/A
Inj/Carb:	653353-8A1	A07IA050	Press Rel Val:	N/A	N/A
Man Valve:	646433-9A4	C07IA303	Pop Off::	N/A	N/A
Starter:	C24ST3 NEW	H-R082463	Controller:	N/A	N/A
Turbo:	N/A	N/A	Prop Gov: Slope:	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

Repair Station No. WS9R575J

Cylinder S/N	Cylinder S/N	
#1: AC17HB469	#5: AC17GA618	
#2: AC17HB449	#6: AC17GA662	
#3: AC17IA350	#7: N/A	
#4: AC17HB495	#8: N/A	

DATE	TACH OR RECORDING METER TIME			WORK PERFORME OF PERSON PERFO		KORK	
	Page Engin	1 of 1 e - Continental Motors - IO-550-N	S/N: 691442 V	OMPLIANCE RECORD Western Skyways, Inc. RS # W59R575J WO# W054016			
	Α	Applicable S.B. # & S	Date & Hours @ Comp.	Method of Compliance	On Time	teer Core @ resilies	Signatura Signatura Signatura
	74-26	09 Bendix magnetos	16 FEB 2018 1539.7	N/A per magneto model number.	(a)		Larry/Tebber (290at 900at
	82-20	01 Bendix magnetos	16 FEB 2018 1539.7	N/A per magneto model number.	1		Comprised to the second
	88-03	Oil filter	16 FEB 2018 1539.7	Installed oil filter P/N: CH48108-1	2.		Chor More
	91-19	-03 Champion oil filter	16 FEB 2018 1539.7	Installed oil filter P/N: CH48108-1.	X		CROW NOW
	93-08	-17 Incorrect oil pick-up tube	16 FEB 2018	N/A per engine model.	9 9	-	Lawrence Property



GOLD SEAL AIRCRAFT ENGINES

21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: 10-550-N

Serial Number: 691442

Time: 1539.7 TTE

Work Order: W054016

Date: 14 SSR 7018

x

Installed S539800M30 starter adapter spring in accordance with Aircraft Specialties Inc. STC SE09846SC services Services Service Bulletin No.: S-2008-01, Rev. 0, or later FAA approved revision. Starter Adapter was overselved with Continental Motors Overhaul Manual M-16 and applicable Service Information.

16 FEB 2018 Installed NEW CMI cylinders.

N/A per magneto serial number

N/A per magneto serial number

Installed NEW CMI cylinders.

16 FEB 2018 N/A, fuel injection servo not used on this engine

Installed NEW CMI cylinders.

16 FEB 2018 Installed NEW CMI cylinders.

N/A per crankshaft S/N: N07HA155

N/A per crankshaft S/N: N07HA155.

Installed overhauled lifters P/N: 653838 and 653877

N/A per starter adapter part number 658440A1

16 FEB 2018

16 FEB 2018

1539.7 16 FEB 2018

16 FFB 2018

16 FEB 2018

16 FEB 2018

16 FEB 2018

1530.7

1539.7 16 FEB 2018

1539 7

1530 7

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

GAMI Injector kit, TIGT550-19B, S/N: 17104 reinstalled per GAMI installation procedure IP-2001-02 (rev NC) detailed by the control of the con

The engine and/or component identified above was overhauled and inspected IAW current FAA Regulations and found above was return to service. Pertinent details of this repair are on file at this repair station under above work order.

Larry Flatten
CRS# WS9R575J

FORM 201E

93-10-02

94-06-09

99-19-01

2000-23-21

2004-08-10

2010-11-04

2012-03-06

2012-10-13

2014-05-29

2016-16-12

94-01-03 P2

Cylinder valve retainer

Teledyne/Bendix magnetos

Teledyne/Bendix magnetos

Prevent loss of engine power

Fracture of the crankshaft connecting rod journal

To prevent an in-flight shutdown due to a failed fuel servo diaphragm

Superior Air Parts Investment Cast Cylinder Assemblies

FCI Class 71 or Class 76 Cylinder Assembly Failures

To prevent excessive hydraulic lifter wear

To prevent starter adapter gear shaft failure

Date 3/6/2018 W/O# 16511

Eng TSN

Eng TSO

TTAF



Engine Logbook Entry AIRCRAFT: N 868SR S/N 2860

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK

1539.7 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS. Tach / Flight

REINSTALLED ENGINE MODEL 10-550-N S/N 691442 AFTER REPAIR BY WESTERN SKYWAYS 1539.7 CRS#WS9R575J W/O#W054016. COMPLIED WITH 100-HOUR/ANNUAL, RECURRING LUBRICATION OF REPAIRED RIGHT UPPER INDUCTION TUBE. ENGINE CONTROLS AFTER WASHING ENGINE. 0 INSTALLED NEW WASTEGATE CROSSOVER CABLE AND SET RIGGING. INSTALLED NEW LEFT TURBO

INLET DUCT. INSTALLED NEW PROPELLER TKS NOZZLE. REMOVED HARTZELL #1 ALTERNATOR P/N 1539.7 ES-10024 P/N H-L060593. INSTALLED NEW #1 ALTERNATOR P/N ES-10024-845 S/N H-Q040870.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed_ Jam Markey

Shawn Matthies AWKR298C

Date 4/2/2018

Tach



Engine Logbook Entry

AIRCRAFT: N 868SR

CRS AWKR298C 25170 Aviation Ave., Davis, CA 95616 S/N 2860

W/O# 16774

INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO CHANGED OIL AND FILTER. 1559.2 DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS PHILLIPS 20W50 X/C ENGINE OIL

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:__

Shawn Matthles AWKR298C

Date 5/11/2018 W/O# 16859



AIRCRAFT: N 868SR Engine Logbook Entry

CRS AWKR298C

S/N 2860

25170 Aviation Ave., Davis, CA 95616

INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO CHANGED OIL AND FILTER. 1611.3 DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER Tach AND SERVICED ENGINE WITH PHILLIPS 20W50 X/C ENGINE OIL.

The Aircraft and/or component identified above was repaired and inspected JAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

Date 9/11/2018

W/O# 17132



Engine Logbook Entry

AIRCRAFT: N 868SR

CRS AWKR298C

SIN 2860

25170 Aviation Ave., Davis, CA 95616

INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO 1654.9 DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER

AND SERVICED ENGINE WITH 7 QUARTS 20W50 ENGINE OIL AND 1 PINT OF CAMGUARD. Tach

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertillent

	details of the repair are on file at this agency. Signed.	
-	Shawn Matthles AWKR298C	

Date 3/29/2019 W/O# 17412

Eng TSN



Engine Logbook Entry AIRCRAFT: N 868SR

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D

Tach / Flight

1695.2 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS

1695.2 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL. COMPRESSION TEST RESULTS: #1- 64/80, #2- 64/80, #3- 65/80, #4- 65/80, #5- 62/80, #5-

Eng TSO 155.5 68/80. MASTER ORIFICE: 42/80.

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEERS NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW TTAF FILTER AND SERVICED ENGINE WITH PHILLIPS 20W-50 X/C ENGINE OIL AND 1 PINT OF CAMBULAND. REMOVED LEFT EXHAUST TAIL PIPE, REMOVED DUMP TUBE, CLEANED AND APPLIED ANTI SEZE. REINSTALLED. INSTALLED NEW RIGHT TAILPIPE P/N 22-6150021. INSTALLED NEW LEFT TURBO SUPPORT ROD TEFLON SLEEVE. INSTALLED NEW LEFT WASTEGATE SUPPORT BUSHING. INSTALLED NEW LEFT TAILPIPE INBOARD SPRING. INSTALLED NEW RIGHT WASTEGATE KNUCKLE WITH NEW PINS. INSTALLED NEW LEFT UPPER THROUGH STUD O-RING. REINSTALLED ## CYLINDER EXHAUST

RISER AFTER REPAIR BY DAWLEY AVIATION CRS# J5R069N W.O. 118594.

The Aircraft and/or component identified above was repaired and inspected ### FA# regulations and was found airworthy to return to service only for the work Pertinent details of the repair are on file at this agency: Signed:

I certify that this Aircraft/Engine/Propeller has been inspected IAW applications was determined to be in an airworthy condition. Signed

Shawn Matthies Assault 2000

Date 5/13/2019

W/O# 17648



Engine Logbook Entry

AIRCRAFT: N 868SR

S/N 2860

CRS AWKR298C 25170 Aviation Ave., Davis, CA 95616

Tach

1963.2 REMOVED ALTERNATOR #1 P/N 656802 S/N H-Q040870. INSTALLED NEW ALTERNATOR PINESSESSE SINCE 1704. 6 H-S072395. OPERATIONAL AND LEAK CHECKED GOOD.

The Aircraft and/or component identified above was repaired and inspected LAW FAA regulations and was found airworthy to return to service only for the work details of the repair are on file at this agency: Signed:

Shawn Matthies Apple 2560

Date 3/10/2020

W/O# 18324



Engine Logbook Entry

AIRCRAFT: N 868SR CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

S/N 2860

ALL WORK

Tach / Flight

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. 1,775.90 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

1,775.90 COMPLIED WITH CIRRUS MANDATORY SB2X-71-33 BY COMPLETION OF CMI SB18-08 INSPECTION AND MAINTENANCE MODIFICATION OF CYLINDER ASSEMBLIES. CYLINDER SERIAL NUMBERS. #1 -

Eng TSN Eng TSO

236.2 AC17HB469, #2 - AC17HB449, #3 - AC17IA350, #4 - AC17HB495, #5 - AC17GA618, #6 - AC17GA652 ALL 6

TTAF

1,775.90 CYLINDERS WERE INSPECTED, MODIFIED AND STAMPED WITH AN "S" PER SB18-08.

COMPLIED WITH CIRRUS SA19-18 INSPECTION OF ALTERNATOR CASTELLATED HEX NUT INSPECTION PER HET SB 081. COMPLIED WITH PARAGRAPH 3.B.(4) OF HARTZELL ENGINE TECHNOLOGIES ASS 081.

ALTERNATOR P/N 656802 S/N H-S072395 DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS, NO.

DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH PHILLIPS 20W-50 X/C ENGINE OIL AND1 PINT CAMGUARD COMPLIED WITH DIFFERENTIAL COMPRESSION TEST RESULTS: #1-56/80, #2-70/80, #3-68/80, #4-52/90, #5- 58/80, #6- 60/80, MASTER ORIFICE: 40/80.

INSTALLED NEW RH SLAVE WASTEGATE WITH NEW ACTUATOR ARM HARDWARE AND RIGGED CROSSOVER CABLE. ADJUSTED RIGHT MAGNETO TO ENGINE TIMING.

The Aircraft and/or component identified above was repaired and inspected AW FAA regulations and was found airworthy to return to service only for the work performed Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthles AWKR2980

I certify that this Aircraft/Engine/Propeller has been inspected IAW ar Amual inspection was determined to be in an airworthy condition. Signed

Shawn Matthies AWKR298C

Date 3/16/2021 W/O# 19111



Engine Logbook Entry

AIRCRAFT: N 868SR

CRS AWKR298C 25170 Aviation Ave., Davis, CA 95616 S/N 2860

Tach	/F	liak	1f

1799.2 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS 1799.2 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK

Eng TSN Eng TSO

MANUAL. COMPRESSION TEST RESULTS: #1- 54/80, #2- 70/80, #3- 66/80, #4- 56/80, #5- 63/80, #6- 64/80.

259.5 MASTER ORIFICE: 41/80.

TTAF

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO 1799.2 DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH PHILLIPS 20W50 X/C ENGINE OIL AND 1 PINT CAMGUARD. INSTALLED 12 NEW SPARK PLUGS.

> The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed

Shawn Matthies AWKR298C

Date 3/31/2022

W/O# 19907

WOODI AND AVIATION COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D.

Engine Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 868SR S/N 2860

ALL WORK

Tach / Flight **Eng TSN**

Eng TSO

TTAF

1837.0 COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS 1837 COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE

MANUAL. COMPRESSION TEST RESULTS: #1- 58/80, #2- 64/80, #3- 52/80, #4- 59/80, #5- 60/80, #6- 56/80. 297.3 MASTER ORIFICE 38/80.

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH PHILLIPS 20W50 X/C ENGINE OIL AND 1 PINT CAMGUARD. INSTALLED NEW OIL FILLER GASKET. CLEANED #1 CYLINDER EXHAUST VALVE SEAT. ADJUSTED LEFT MAGNETO TO ENGINE TIMING. INSTALLED NEW LEFT AND RIGHT TURBO SUPPORT ROD TEFLON INSTALLED NEW #1 EXHAUST AND #2 INTAKE ROCKER COVER GASKETS. CHAFE SLEEVES. INSTALLED NEW RIGHT EXHAUST MANIFOLD P/N 22-6850003 S/N 12651. INSTALLED NEW #4 CYLINDER INDUCTION INTAKE FLANGE GASKET. INSTALLED OVERHAULED SLOPE CONTROLLER P/N 470688-0005 S/N MIN00028 FROM MAIN TURBO SYSTEMS INC. CRS# MSMR190K UNDER W/O 62312.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed Pertinent details of the repair are on file at this agency: Signed:

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed

Shawn Matthies AWKR298C

N868SR Hobbs/Tach Performed oil and filt 15W50, CamGuard & checked.	: 2170.2 Date: 4/30/22 er change, serviced w/ X/C AA48109. Ran and leak 2775656	N868SR Hobbs/Frééir 1946. (I Performed oil and filter change, s — 15W50, CamGuard & AA48109. I checked.	Date: 6/7/82 Serviced w/ X/C Ran and leak	
		3	r.	
		11-		

Page	No.	-	_	
Page	No.	-		_

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF SIGNATURE & CERTIFICATE N	WORK PERFORMED — O. OF PERSON PERFORMING WO	RK
I certify that determined 1) 60/80 2) Changed oil T.T T.S.O SIGNATUR CERTIFICA	t this engine has to be in an airwo 68/80 3) 64/80 4 and filter, service 1966.9	(251) 422-8390 N868SR Engine been inspected IAW an annual inspection and was rthy condition. Compression) 59/80 5) 58/80 6) 54/80, Master Orifice 44/80. sed with Phillips 20W-50. Flight Time 1966.9 HOBBS 2350.1		
ENGINE ENGINE		CIRRUS Cirrus Factory Service	DATE 4/19/2023 A/C TSN 1982 9 ENG TT 1982 9	
REG NO WORK C	n N868SR DRDER: ISM10335-0	Repair Station No. 9B0D988C 4134 Aviation Drive Kissimmee, FL 34741 Phone: 689-244-5221	TSMOH FLIGHTTIME 19829	
		engine propeller or appliance identified was repaired/inspected in a sapproved for return to service. Pertinent details of this work order a	accordance with current requirements of the Federal are on file at this Certified Repair Station CRS 9B0D988C	
DATE:	4/19/2023	Israel Lopez Ramos Certified Repair Station No. 9B0D988C	Work Order: ISM10335-04-2023 Printed by EBis 3 (datcomedia.com)	

5168

September 27, 2023 N868SR S/N: 2860 Flight Time: 2,049.7 Hobbs: 2,451.6

- Number 4 cylinder removed and replaced with new Continental (P/N: 658828A2 S/N: AC21IC586).
- Number 4-cylinder Piston Pin removed and replaced with new Superior (P/N: SA630046).
- 3. Left Exhaust removed and reinstalled after repaired by TATI.
- Fuel injectors removed, cleaned and reinstalled with new gasket kit (P/N: ORW-GTIGT).

Ran engine, operational checks performed with no defects at this time. All maintenance was performed in accordance with the manufacturer's maintenance manual and the AC 43.13-1B. I certify this **ENGINE** is approved for return to service for the work performed. **END.**



William Erik Box AP3554514IA

Seprember 27, 2023 N868SR S/N: 2866 Flight Time: 2,049.7 Hobbs: 2,451.6

1. Removed and replaced all mark plugs with new Tempest (P/N: URHB32E).

Operational checks performed with no defects noted at this time. All maintenance was performed accordance with the manufacturer's maintenance manual and the AC 43.13-1B. I certify this ENG approved for return to service for the work performed. END



Adam Rexroad AP3399879