

ENGINE MAINTENANCE RECORDS



Engines Are Our **ONLY** Business

21 CREATIVE PL. • MONTROSE, CO 81401
(970) 249-0232 • 800-575-9929 • FAX (970) 249-4155

The subject aircraft was involved in an incident /
accident on 7/4/2024 rendering it a Constructive Total
Loss as not repairable within its insured value. For
further details refer to insurance claim: .

Signed: ***Underwriters Salvage Company***

Date: **10/4/2024**

ALG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100
Atlanta, GA 30326

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5-8-2020	6842.3	
SMOH	378.2	05-08-2020 N669CB Tach 6842.3 SMOH 378.2 Performed ground run up of engine to check for proper operation. Removed cowl- ing and completed a visual inspection for wear condition of all items forward of the fire- wall. Drained engine oil and replaced oil filter p/n AA48109-1. Cut open old filter to in- spect for metal particles—none found. Serviced engine with 9qts Ph X/C 20w50 and 1pt Camguard. Removed top spark plugs and performed compression test with warm cylinders - 1) 70/80 2) 74/80 3) 74/80 4) 69/80 5) 72/80 6) 68/80. Cleaned all spark plugs and installed with new copper gaskets. Moved oil pressure sensor from engine mount location to firewall location and rerouted oil hose and wire harness. Installed engine cowling and performed ground run-up test. All items checked OK. I certify this engine has been inspected in accordance with an <u>annual</u> inspection and was found to be in airworthy condition. <u>Arthur G. Ray</u> Arthur G. Ray A&P/IA 2592860
8-28-20	6864.2	
SMOH	410.1	SMOH-400.1 New Donaldson Air Filter installed by owner p/n # P10-6150
4-26-21	6892.7	
SMOH	433.6	04-26-2021 N669CB Tach 6897.7 SMOH 434.3 Performed ground run up of engine to check for proper operation. Removed cowl- ing and completed a visual inspection for wear condition of all items forward of the fire- wall. Did not drain oil at this time. Removed bottom spark plugs and performed com- pression test with warm cylinders - 1) 75/80 2) 69/80 3) 74/80 4) 74/80 5) 74/80 6) 73/80. Cleaned all spark plugs and re-installed. Replaced breather tube hold-down clamp with new clamp. Adjusted carb heat cable away from carb heat box to correct chafing. Installed engine cowling and performed ground run-up test. All items checked OK. I certify this engine has been inspected in accordance with an <u>annual</u> inspection and was found to be in airworthy condition. <u>Arthur G. Ray</u> Arthur G. Ray A&P/IA 2592860
5-30-21	6903.6	
SMOH	439.5	Engine oil & filter change. Installed new Tempst oil filter p/n AA48109-1 w/ safety wire. 9 Qts Phillips XC 20w50 plus 1pt Cam Guard
11-1-21	6934.5	Owner: Kerry McAlister Oil sample sent to Blackstone
SMOH	470.4	Engine oil & filter change & all same as above performed by owner, Kerry McAlister and sons, Hudson and Samuel

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3-5-22	6946.8	
SMOH	482.7	Reinstalled exhaust components after having them recoated w/ 1800° Silver Satin Cerakote - Removed exhaust Feb 6 th , 2022 Original 1500° coating lasted 4 yrs before cerakote chips occurred.
7-8-22	6963.0	
SMOH	479.6	Engine oil & filter change. Installed new Tempst filter p/n AA48109-1 w/ safety wire 9 Qts Phillips XC 20w50 + 1pt Cam Guard Owner: Kerry McAlister
5-21-22	6955.2	
SMOH	491.8	05-21-2022 N669CB Tach 6955.2 SMOH 491.8 Performed ground run up of engine to check for proper operation. Removed cowl- ing and completed a visual inspection for wear condition of all items forward of the fire- wall. Did not drain oil at this time. Removed bottom spark plugs and performed com- pression test with warm cylinders - 1) 71/80 2) 67/80 3) 77/80 4) 71/80 5) 75/80 6) 72/80. Cleaned all spark plugs and re-installed. Borescope cylinder valves and saved images. Installed engine cowling and performed ground run-up test. All items checked OK. I certify this engine has been inspected in accordance with an <u>annual</u> inspection and was found to be in airworthy condition. <u>Arthur G. Ray</u> Arthur G. Ray A&P/IA 2592860
4-8-23	6988.0	
SMOH	493.5	Engine oil & filter change. Installed new Tempst filter p/n AA48109-1 w/ safety wire. 9 Qts Phillips XC 20w50 + 1pt Cam Guard Owner: Kerry McAlister
04-22-2023	N669CB	Tach 6992.3 SMOH 528.9
		Performed ground run up of engine to check for proper operation. Removed cowl- ing and completed a visual inspection for wear condition of all items forward of the fire- wall. Did not drain oil at this time. Removed bottom spark plugs and performed com- pression test with warm cylinders - 1) 71/80 2) 65/80 3) 75/80 4) 70/80 5) 70/80 6) 68/80. Cleaned and inspected all spark plugs and installed with annealed copper gas- kets. Installed engine cowling and performed ground run-up test. All items checked OK. I certify this engine has been inspected in accordance with an <u>annual</u> inspection and was found to be in airworthy condition. <u>T. Kerry McAlister</u> T. Kerry McAlister Pilot/Owner <u>Arthur G. Ray</u> Arthur G. Ray A&P/IA 2592860

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
6-2-18	6732.0	06-02-2018 N669CB Tach 6732.0 SMOH 268.6 Removed cowling and completed a visual inspection for wear and condition of all items forward of the firewall. Due to recent oil change we did not drain the oil. New oil filter kit installed with new CH 48108 filter. Cleaned and tested all spark plugs and performed compression test - 1) 68/80 2) 64/80 3) 62/80 4) 62/80 5) 64/80 6) 64/80. Installed engine cowling and performed ground run-up test. All items checked OK.
		I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition.
		Arthur G. Ray A&P/IA 2592860
7-13-18	6741.2	Time on O-520 at MOH at Western Airways: 4925.0 T-Tach time 6743.4 at time of MOH (May 23 rd , 2012) So at this oil & filter change there are 6741.2 - 6463.4 = 277.8 hrs on O-520 engine. Average of 46.3 hrs/yr. Filter was a Tempst AA 48109, P/N 08-01269-Safety tied 9 qts of Phillips X/C 20W50 plus 1 pt Cam Guard 1st oil change w/ new remote oil filter (Air Wolf) installed Worked much better!

07-13-18 N669CB Tach 6741.2

Engine run-up and systems checked. Removed cowling and drained engine oil. Removed lower spark plugs and performed compression test. 1) 67/80 3) 74/80 5) 74/80

Inspect and installed spark plugs.

Replaced oil filter with new 48109 Oil Filter.

Serviced engine with 11 qts Phillips X/C 20W50.

Re-installed cowling. Engine run-up leak checked ok.

Arthur G. Ray
Arthur G. Ray A&P/IA 2592860

11-2-18	6767.0	Engine oil & filter change
SMOH	303.6	Installed new Tempst AA 48109 oil filter safety tied
avg/yr	50.6	Filled w/ 9 qts Phillips X/C 20W50 oil & 1 pt Cam Guard Remote oil filter working very well! Kerry McAlister - Owner

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
4-6-19		04-06-2019 N669CB Tach 6778.9 SMOH 315.5 Performed ground run up of engine to check for proper operation. Removed cowling and completed a visual inspection for wear condition of all items forward of the firewall. Due to recent oil change we did not drain the oil. Removed bottom spark plugs and performed compression test - 1) 64/80 2) 62/80 3) 76/80 4) 62/80 5) 72/80 6) 68/80. Replaced alternator fan plate p/n ES 4102. Installed alternator with new mount bolt AN 5-52A, two each J9534-20 rubber bushings, one each 1250214-1 bushing, new S1450-5H14-063 washers and locking nut. Installed engine cowling and performed ground run-up test. All items checked OK.
		I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition.
		Arthur G. Ray A&P/IA 2592860
6-19-19	6789.4	Engine oil & filter change. Installed new Tempst oil filter
SMOH	326.0	AA 48109 w/ safety wire. Filled w/ 9 qts Phillips X/C 20W50 & 1 pt Cam Guard. Remote oil filter very nice. Kerry McAlister - Owner

06-19-19 N669CB Tach 6789.4

Engine run-up and systems checked. Removed cowling and drained engine oil. Removed upper spark plugs and performed compression test. 1) 71/80 3) 73/80 5) 68/80 2) 72/80 4) 63/80 6) 65/80

No. 5 cylinder had slight amount of blow-by around the piston rings. Compression at BDC was higher than TDC.

Inspect and installed spark plugs.

Replaced oil filter with new AA48109-1 Oil Filter.

Serviced engine with 9 qts Phillips X/C 20W50 and 1 pint Cam Guard.

Re-installed cowling. Engine run-up leak checked ok.

Kerry McAlister - Owner
Pilot Certificate # 3377876

Arthur G. Ray
Arthur G. Ray A&P/IA 2592860
A&P supervision

9-8-19		New Concord G35 AXC battery installed - owner - Kerry McAlister
11-3-19	6816.6	Engine and oil change. Installed new Tempst oil filter
SMOH	353.2	P/N AA 48109 w/ safety wire. Filled w/ 9 qts Phillips X/C 20W50 & 1 pt Cam Guard. Loving the remote oil filter. Easy access w/ no mess! Kerry McAlister - Owner
11-14-19	6817.2	Installed rebuilt Ford Alternator 0077103003 SIN 1734 - Kerry McAlister - Owner
SMOH	353.8	Under supervision of A&P IA Art Ray See Aircraft Log book for more details.

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
04-24-2015		COMPLETED A VISUAL INSPECTION OF
TACH 6615.1		ENGINE COMPARTMENT FOR WEAR AND
SMOH 151.7		CONDITION OF ALL ITEMS FORWARD OF THE
		FIREWALL. CLEANED & ROTATED SPARK PLUGS
		AND CHECKED MAGNETO TIMING. CYLINDER
		COMPRESSION CHECK: #1 70/80 #2 71/80 #3 73/80
		#4 67/80 #5 71/80 #6 70/80
		REPLACED HEATER OUTPUT HOSE WITH
		30 INCH SECTION OF SCAT 12. REPLACED
		ALTERNATOR WITH OVH'd UNIT
		P/N DOFF10300T S/N A41084. AERO TECH OF LOUISVILLE.
		INSTALLED ENGINE COWLING 502-263-7090
		AND PERFORMED RUN-UP TEST. W.O. #114193
		I CERTIFY THIS ENGINE HAS BEEN
		INSPECTED IN ACCORDANCE WITH AN ANNUAL
		INSPECTION AND WAS FOUND TO BE AIRWORTHY.
		Arthur S. Ray A&P/IA 2592860.
07-10-15		
TACH 6624.0		ENGINE OIL & FILTER CHANGE. INSTALLED
SMOH 160.6		9 QTS PH.XC 20W50 + 1 PINT CAM GUARD.
		INSTALLED NEW 48108-1 FILTER. ADJUSTED
		PROP CONTROL CABLE FOR PROPER CLEARANCE.
		Arthur S. Ray
		A&P 2592860
10-30-15		
6644.1		Engine oil & filter change. Filled w/ 9 qts PHXC 20W50 + 1 pt Camguard
SMOH 180.7		Installed new 48108-1 filter w/ the aid of Arthur G. Ray
		T. R. McWhorter (owner) private (#3377876)
		A&P 2592860

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
05-01-16		ANNUAL INSPECTION COMPLETED -
TACH 6656.0		COMPRESSION TEST: #1 72/80 #2 70/80 #3 68/80
SMOH 192.6		#4 71/80 #5 71/80 #6 68/80
		INSTALLED NEW SPARK PLUGS P/N URHB32E.
		I CERTIFY THIS ENGINE HAS BEEN INSPECTED
		IAW AN ANNUAL INSPECTION AND WAS FOUND TO
		BE AIRWORTHY. Arthur S. Ray
		A&P 2592860 IA
7-8-16	6668.0	Engine and oil change. Filled w/ 9 qts PHXC-20W50
SMOH 204.6		+ 1 pt Camguard. Installed new 48108 Tempst filter
		T. Ray McWhorter (owner) private (#3377876)
1-20-17	6695.0	Engine and oil change. Filled w/ 9 qts PHXC-20W50
SMOH 231.6		+ 1 pt. Camguard. Installed new 48108 Tempst filter
		w/ safety wire.
		T. Ray McWhorter (owner) private (#3377876)
5-12-17		
05-12-2017 N669CB Tach 6700.9 SMOH 237.5 Removed cowling and completed a visual inspection for wear and condition of all items forward of the firewall. Due to recent oil change we did not drain the oil. Removed all spark plugs and performed compression test - 1) 72/80 2) 73/80 3) 72/80 4) 70/80 5) 74/80 6) 70/80. Installed engine cowling and performed ground run-up test. All items checked OK. I certify this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. Arthur S. Ray Arthur G. Ray A&P/IA 2592860		
9-1-17	6720.1	Engine oil & filter changed. Filled w/ 9 qts Phillips 66 XC-20W50
SMOH 256.7		plus 1 pt Camguard. Installed new Tempst oil filter (AA48108-1)
		w/ safety wire. T. Ray McWhorter (owner) private (#3377876)

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
 21 Creative Pl. Montrose, CO 81401 (970) 249-0232 800-575-9929 Fax: (970) 249-4155 www.westernskyways.com Date: 23 May 2012 Tach time: 6463.4 Total time: 6463.4 Aircraft Model: Cessna 180J #1 Engine Model: Continental O-520-F/TS Engine total time: 4925.0 #1 Prop Model: Hartzell HC-C3YF-1RF/F8068 Prop Total time: 0 Reg. Number: N669CB Work Order Number: H002996 Serial Number: 18052725 Serial Number: 900394 Engine TSO: 0 Serial Number: PY70B ENGINE LOG Removed engine and propeller. Installed overhauled engine O-520-F/TS serial number 900394 and new Hartzell propeller HC-C3YF-1RF/F8068 serial number PY70B in accordance with Texas Skyways STC SA09018SC. Serviced engine with 12 quarts Phillips 20W50 X/C oil. Ground run, leak and operational checks good. Installed overhauled alternator DOFF10300J serial number AO18093. Installed new alternator shock mounts. Installed overhauled propeller governor C290D3K/T1 serial number 950180. Installed new vacuum pump AA3216CW serial number 909109. Installed new engine shock mounts J6545-1. Installed new fluid carrying hoses in engine compartment. Cleaned, painted and resealed engine baffles. Removed tachometer and manifold pressure gauge for remarking and calibration. Reinstalled tachometer R-1-6GR260 serial number 35574 and Manifold pressure gauge M-1-G80R320 serial number 35575. Installed new exhaust collectors A0750238-20 serial number 22119 and 22230, new muffler A0750161-28 serial number 21897 and overhauled muffler shroud 0750161-58. Installed Texas Skyways exhaust pipe extension in accordance with STC SA09352SC. Installed fiberglass fairing in accordance with Texas Skyways STC SA10351SC. Painted fairing to match. Removed engine mount frame. Stripped paint. Dye-penetrant inspected. No defects noted. Painted mount white and reinstalled to firewall with new hardware. Installed new throttle control MCC299505-0201S, new mixture control MC600-72 and new propeller control MCC299506-0103. Painted inside of cowling white. Removed oil cooler and installed overhauled oil cooler 654595 serial number K00-2752-1667. The aircraft, airframe, engine, propeller, and/or appliance identified above was repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and is hereby returned to service. Pertinent details are on file at this Repair Station on above work order. Repair Station Number WS9R575J <i>Ray</i>		

Form 201

06-11-12	TACH	6469.8	COMPLETED 100HR/ANNUAL INSPECTION. DRAIN OIL + CHECKED OIL FILTER FOR CONTAMINATION. NONE FOUND.
	TSO	6.4 HRS	INSTALLED NEW CH48108-1 FILTER + 11 QTS PHILLIPS X-C. CHECKED MAG TIMING + REINSTALLED COWLING. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION + WAS FOUND AIRWORTHY.
			<i>Arthur S. Ray A&P/IA 2592860</i>
10-29-12		6505.2	ENGINE OIL + FILTER CHANGE. SERVICED ENGINE W/ 9 QTS PH. X/C II OIL + NEW CH48108-1 FILTER. <i>Arthur S. Ray</i>
02-13-13	TACH	6538.8	ENGINE OIL + FILTER CHANGE. SERVICED ENGINE W/ NEW CH48108 FILTER + 9 QTS PHILLIPS X/C II. <i>Art Ray A&P 2592860</i>

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED -- SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
04-12-2013	N669CB	Tach 6543.5 SMOH 0080.1 Removed cowling and completed a visual inspection for wear and condition of all items forward of firewall. Cleaned spark plugs and checked magneto-to-engine timing. Cylinder compressions: 1) 74/80 2) 78/80 3) 80/80 4) 76/80 5) 74/80 6) 74/80. Installed engine cowling and performed run-up test. I certify this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition. <i>Arthur S. Ray</i> Arthur G. Ray A&P/IA 2592860
08-29-13	TACH	6563.2 750 998 ENGINE OIL + FILTER CHANGE. SERVICED WITH NEW CH48108 FILTER + 9 QTS 20W50 XC. <i>Arthur S. Ray A&P 2592860</i>
04-25-2014	N669CB	Tach 6579.2 SMOH 0115.8 Removed cowling and completed a visual inspection for wear and condition of all items forward of firewall. Drained engine oil and collected oil sample for analysis. Replaced oil filter with new CH48108-1. Installed 9qts Phillips X/C 20W50. Cleaned spark plugs and checked magneto-to-engine timing. Cylinder compressions: 1) 71/80 2) 72/80 3) 76/80 4) 74/80 5) 72/80 6) 74/80. Installed engine cowling and performed run-up test. I certify this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition. <i>Arthur S. Ray</i> Arthur G. Ray A&P/IA 2592860
10-11-14	TACH	6605.3 750 141.9 ENGINE OIL + FILTER CHANGE. SERVICED W/ NEW OIL FILTER + 9 QTS 20W50 XCII. <i>Arthur S. Ray A&P 2592859</i>

DATE

TACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED --
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
WESTERN
Skyways
 INC.

GOLD SEAL AIRCRAFT ENGINES

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

 (800) 575-9929
 (970) 249-0222
 FAX: (970) 249-4155

Engine Make: CONTINENTAL SIL98-9A Model: O-520-F/TS MODIFIED STC SE09017SC
 Serial Number: 900394 W/O No: 0028520 Date: 03/09/12
 Warranty Number: C12042 Warranty Start Date: 03/12
 Crankshaft Serial No: N09JA021 Cylinder Part Number: T1ST71.4ACA/AEC631397

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: X30039 See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: 4925.0 Hrs.

This engine meets requirements of STC SE09017SC for 2500.0 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:	10-349350-4	F06GA072R	Vac Pump:	N/A	N/A
R/H Mag:	10-349350-5	F06GA057R	Wastegate:	N/A	N/A
Fuel Pump:	N/A	N/A	Alt/Gen:	N/A	N/A
Inj/Carb:	10-4893-1	MS445308	Pop Off:	N/A	N/A
Man Valve:	N/A	N/A	Controller:	N/A	N/A
Starter:	646238	A111122	VAPC:	N/A	N/A
Turbo:	N/A	N/A	Fuel Limiter:	N/A	N/A
			Tach Gen:	N/A	N/A
			Hyd Pump:	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
#1-79421-11	#5-81213-03
#2-79421-15	#6-82043-24
#3-79421-24	#7-N/A
#4-79504-17	#8-N/A

ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N669CB

Engine Manufacturer Continental

Model O-520-F/TS

Serial No. 900394

Date installed on aircraft MARCH 2012

Time Between Overhauls (TBO) 2500 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: _____