

Billings, MT 59105 1691 Aviation Place Certificated Repair Station HSRR811E

59W

Date: 1/03/2019; Aircraft: N736YU; Type: 182T; S/N: 0792; Hobbs: 1968.90; Tach: 3093.00; Total Time: 3093.00

3101.6

3101.6

### AIRFRAME LOG

1. Completed 100 Hour Inspection of Airframe per EJC 100 Hour/Annual Inspection Checklist, Form 1015.

2. Installed new LH elevator outboard hinge bonding strap, PN 1570102-1.

3. Lubricated elevator trim pulleys under cockpit floor. Elevator trim pulleys now functioning properly.

4. Lubricated and freed up 1 rudder pulley and 1 elevator pulley forward of rear spar as needed.

5. Removed LH brake caliper and installed new O-rings, PN MS28775-222, on brake pucks. Reinstalled LH brake caliper as required.

6. Checked all actuators for internal leakage. Seal in power pack. Resealed gear selector. Serviced reservoir.

7. Complied with AD2011-10-09 (Amendment 39-16690) by visually inspecting the seat rails for dirt, debris, and cracks, the locking pin engagement holes for excessive wear, the seat rollers for flat spots, the roller washers for binding, the tang thickness, the lock pin springs, and the pin engagement depth per AD instructions. No defects noted. Recurring every 100 hours or 12 months. Next due: 2068.9

8. Installed new rudder cap, RH elevator, RH horizontal stabilizer, both lower wing strut pieces, and LH horizontal stabilizer.

9. Brakes bled from the bottom up using a pressure pot.

10. Leveled aircraft. Completed fuel calibration and AHARS alignment.

11. Hung and fit doors with new hardware.

12. Performed installation of door stewards in accordance with drawing MVA471-90, Revision IR, dated 29-April-2008 listed on Approved Model List SA01120SE, dated 09-September-2002 under STC Number SA01120SF

13. Weight and Balance was ammended. Did not nerform wait-

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Date: 8/22/2 AIRFRAME

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For Edward

Signed:



## Billings, MT 59105 1691 Aviation Place Certificated Repair Station HSRR811E

Date: 8/22/2019; Aircraft: N736YU; Type: CESSNA 182; S/N: 0792; Tach: 38.3; Total Time: 3139.9

AIRFRAME LOG

Removed worn O-rings from the LH and RH brake master cylinders. Installed new O-rings, PN MS28775-110. Bled brakes.

Complete details of work accomplished on this aircraft are on file at this agency under Work Order 22526. A copy has been provided to the owner.

The maintenance identified above has been inspected and the aircraft is approved for Return To Service.

For Edwards Jet Center:

Signed:			



GOLD SEAL AIRCRAFT ENGINES

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

(970) 575-9929 (970) 249-0232 FAX: (970) 249-4155

Engine Make: LYCOMING Model: O-540-J3C5D

Serial Number: L-22080-40AC W/O No: W053732 Date: 11 DEC 2017

Warranty Number: L17353 3 YR WARR Warranty Start Date: 12/17

Crankshaft Serial No: 85139 Cylinder Part Number: LYC 05K21231 NEW

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-14 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: 3903.7 Hrs.

This engine meets requirements of LYCOMING SI 1009AY for 2000.0 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.
Mag:	10-682560-11	L070009G	Hyd Pump	N/A	N/A
Mag:	DUAL	DUAL	Wastegate:	N/A	N/A
Fuel Pump:	AF-15473 NEW	ODEA29	Alt/Gen:	N/A	N/A
Inj/Carb:	10-6001	MSD91903	Relief Valve:	N/A	N/A
Man Valve:	N/A	N/A	Prop Governor:	the state of the s	N/A
Starter:	149NL	H-R110327	Controller:	N/A	N/A
Turbo:	N/A	N/A	Controller:	N/A	N/A
			Pop-Off:	N/A	N/A

## MAINTENANCE RELEASE

Signature:

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

Cylinder S/N	Cylinder S/N		
# 1: 125969-11	# 5: 125810-4		
2: 125969-19	# 6: 125969-3		
3: 125969-17	# 7: N/A		
4: 125969-10	# 8: N/A		

TACH OR DESCRIPTION OF WORK PERFORMED -RECORDING DATE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK TIME WESTERN Engine Model: O-540-J3C5D conv O-540-L3C5D Serial Number: L-22080-40AC GOLD SEAL AIRCRAFT ENGINES Time: 3903.7 TTE 21 Creative Place Montrose, CO 81401 CRS # WS9R575J Work Order: W053732 Date: 11 DEC 2017 Converted engine during overhaul from an O-540-J3C5D to an O-540-L3C5D utilizing Lycoming Parts Catalog PC-415-1 dated MARCH 1994. Added "C" suffix to the engine serial number in accordance with Lycoming SI 1304J. Form 201E Northern Skies Aviation, INC Date: 03/08/18 Reg # N736YU S/N: R18200792 AFTT: 3093.0 Hobbs: 1968.9 ESMOH: 0.000 RESMOH: PSOH: 0.000 RPSOH: Removed engine from aircraft, S/N 22018-40. Installed overhauled engine by Western Skyways model number O-540-L3C5D S/N L-22080-40AC. Engine was converted at overhaul by Western Skyways, FAA Form 337 dated December 11,2017 R&R all fuel and oil hoses in engine area with new hoses supplied by Specialty hose Aerospace. R&R fuel boost pump with a new boost pump P/N 4140-00-15CJ. R&R bottom check valve on turbocharger P/N 1250929-2. Installed new oil quick drain valve P/N P5000 R&R prop governor rod end with new rod end. Installed new Airwolf air oil separator with STC# SA02268CH dated March, 30, 2006. See FAA form 337 dated this day. Removed turbocharger, Wastegate, pressure relief valve, overhauled by Main turbo systems. Reinstalled original turbocharger, Wastegate and pressure relief valve after overhaul. R&R alternator with a new alternator. Hartzell P/N ALU-8521 S/N H-R112468. R&R aircraft battery with a new Concorde battery P/N RG24-11M S/N 40918119 Removed oil cooler and was overhauled by Skyline Accessories and reinstalled. Removed propeller governor. Overhauled by Precision Propellers and reinstalled. R&R vacuum pump with new vacuum pump P/N RAP215CC Scott A. Faulkner

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1691 Aviation Place Billings, MT 59105 Certificated Repair Station HSRR811E

3101.6

3101.6

Date: 1/03/2019; Aircraft: N736YU; Type: 182T; S/N: 0792; Hobbs: 1968.90; Tach: 3093.00; Total Time: 3093.00 Engine: Lycoming O-540-L3C5D, S/N L-22080-40AC, TSN: 3903.7, TSO: Zero

#### ENGINE LOG

- 1. Completed 100 Hour Inspection of Engine per EJC 100 Hour/Annual Inspection Checklist, Form 1015. Differential Compression Test results: 1:74, 2:73, 3:72, 4:75, 5:73 6:73/80 PSI.
- 2. Cleaned area. Performed leak check after engine runs. Leak check bad. Removed dipstick tube and adapter. Reinstalled with new gasket, PN MS35769-11, and safetied.
- 3. Installed air oil separator with new breather hose to allow better fit. Installed new hose to fitting on engine rear baffle for positive pressure air. Reconnected other hoses and ducting as required.

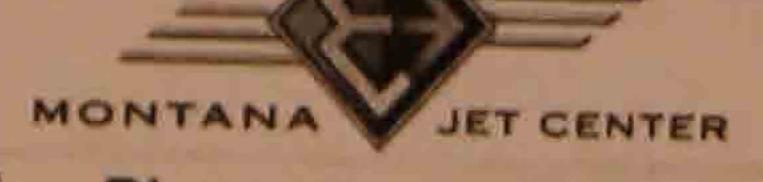
Complete details of work accomplished on this aircraft are on file at this agency under Work Order 21780. A copy has been provided to the owner.

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in airworthy condition.

For Edwards Jet Center:

Signed: \_\_\_\_\_

# EDWARDS



1691 Aviation Place Billings, MT 59105 Certificated Repair Station HSRR811E

Date: 6/06/2019; Aircraft: N736YU; Type: CESSNA 182; S/N: 0792; Tach: 24.7; Total Time: 3126.3 Engine: Lycoming O-540-L3C5D, S/N L-22080-40AC, TSN: 3937.0, TSO: 33.3

## ENGINE LOG

Drained oil and removed filter from engine. Collected oil sample and sent for analysis. Inspected oil filter for contamination. None noted. Installed new oil filter and safetied. Serviced engine with 8 quarts Aero 100 oil. Secured oil filler cap. Washed down engine. Run-up/leak check satisfactory.

Complete details of work accomplished on this aircraft are on file at this agency under Work Order 22335. A copy has been

or Edwards Jet Center:	the aircraft is approved for Return To Service.
igned: _/	