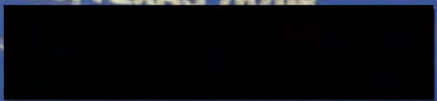


N622QT

RAM



WACO REGIONAL AIRPORT
P. O. BOX 5219
WACO, TEXAS 76708





AIRFRAME MAINTENANCE RECORDS

Registration No. N622QT
Serial No. 310R828



AIRFRAME MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. NG22QT

Model 310R

Serial No. 310R828

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708

LOGBOOK FORMAT REPRINTED WITH THE PERMISSION OF AEROTECH PUBLICATIONS, INC.
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N622QT

TIME: 3357.5

W/O# 001326-001

11/15/2019

AIRFRAME:

Completed Heavy 50HR inspection under CRF part 91.
Checked tire pressure and inspected brake linings. Inspected landing gear torque tube, no leaks found.
Complied with A.D. 2016-17-08 bolts and nut inspection of elevator trim.
This aircraft has been inspected in accordance with a 50HR inspection and this aircraft is approved for return to service.

Signed: _____

A&P-IA: _____

DOUBLE M AVIATION

3482 Airfield Drive West, Lakeland, FL 33811

www.doublemaviation.com

Date: 12/5/2019

Hobbs 3397.2

Work Order: 1960

N-Number: N622QT

A&T 5878.3

Make: Cessna

Model: 310R

Serial Number: 310R0828

Airframe Logbook Entry

- 1 Installed new taxi light p/n 01-0771833-10
- 2 Installed new heater p/n CD14073-1 s/n HA19090019, Ops check good.

end

I certify that this aircraft and/or component has been repaired in accordance with current Federal Aviation Agency Regulations and has been determined to be safe to fly in regard to the work performed.

Michael M Naab _____

IA _____ A&P

98-04-28
03-13-1998

TO MINIMIZE THE POTENTIAL
HAZARDS ASSOCIATED WITH
OPERATING THE AIRPLANE IN
SEVERE ICING CONDITIONS, CONTD.

01-06-2020
Hrs: 3414.2
C: --

PCW BY AFM
LIMITATIONS
SECTION

TOM'S AIRCRAFT LLC
VTMR569K/REPAIR STATION

SUB-TOTALS this page

TOTALS—Carry forward to next page

N622QT

Tom's Aircraft
LLC

Phone [REDACTED]

DATE 01/10/2020

310R

LLC

FAX [REDACTED]

HOBBS 3414.2

310R 0828

2721 E Spring Street * Long Beach Int'l Airport * Long Beach, CA 90806

T TIME 5861.3

WO# 19-454

AIRFRAME LOG ENTRY

- 1.2 Completed an annual using the T310R Service manual ML-C-310, R2, D2514: REV 15, Dated 06/17/2005 Chapter 5-10-01 as a reference.
- 1.3 Completed the ELT inspection and functional test as per CFR 91.207 (d). Next inspection due 01/01/2021 ELT battery next replacement due 01/01/2021
- 1.5 CW AD 84-26-02, Installed new engine filter P/N P12-6138 Per 310 manual P/N D2514: Revision-15, Date Jun 17, 2005, Chapter 71 Power Plant, next due 01/01/2025
- 1.6 Install the Vortex generators on the wings and vertical surfaces strakes on the fuselage and nacelles in accordance with drawing list DL-310R, REV ir, dated 09,12,1990, and the installation manual MA2193, REV c, Dated 07/27/2009, per stc # sa4980NM. Increase the max takeoff weight to 5680 lbs. Maximum zero fuel weight to 5300 lbs., and maximum ramp weight to 5725 lbs., maximum landing weight is not affected per STC # SA5668NM, Option #2. NOTE: Per the limitation section of the POH / AFMS, 84 vortex generators constitute the minimum requirement. The micro vg system consists of 88 vortex generators, if 5 or more are missing or damaged, the aircraft must be operated in accordance with the original pilots operating handbook and the faa approved airplane flight manual. Missing or damaged vgs must be replaced by the installation of a new replacement part. Installation is accomplished with Loctite depend adhesive # 330 No other maintenance or inspections are necessary. Negligible weight change.
- 1.7 Disassembled the lower LH main. Installed all new seals. Serviced with hydro and N2. Using Section 32 as a reference.
- 1.8 Installed all new RH and LH new brake pads P/N 066-03300 Per 310 Manual D2514: Revision-15, Date June 17, 2005, Chapter 32 Landing Gear
- 1.9 Remove Brake Calipers & installed new O-rings on Piston Assy P/N MS28775-222, Service brake system with 5606 hydraulic fluids, Per 310 Manual P/N D2514: Revision-15, Date Jun 17, 2005, Per chapter 32 Landing Gear
- 1.10 Drained the LH AUX Tank, Installed New LH inboard fuel sender gaskets. Serviced the fuel tank, No leaks
- 1.11 Drained the RH AUX Tank, Installed New LH inboard fuel sender gaskets. Serviced the fuel tank, No leaks
- 1.12 Installed new gasket P/N B3-11-1 on the LH fuel Stainer bowl.
- 1.13 Installed new LH and RH bell crank, down lock pin bushing, pn# s1004-11b QTY 4. Adjusted the landing gear free fall and down lock tensions using chapter 32 as a reference.
- 1.14 Installed a new RH main tire, PN#650c86-3
- 1.15 Installed new strut valve & serviced the RH strut, PN# MS28889-2
- 1.16 Installed an overhauled VAC pump, PN# AA3226CW
- 1.17 Installed new gasket P/N B3-11-1 on the RH fuel Stainer bowl.
- 1.18 Removed and replaced the RH landing light for repair. See aero accessories 8130 dated 12/30/2019.
- 1.19 Drained the fuel tanks, Adjusted the fuel qty indicators for the AUX tanks and the main tanks to zero. Topped of the main tanks and adjusted the fuel qty indicators to full.
- 1.20 Adjusted the tempture control limits switch. Test flew aircraft system ops checked good
- 1.21 Installed a new landing light switch. PN# MS24524.
- 1.22 Repair door trim plate and install.
- 1.23 Adjusted the fuel flow for the RH and LH engines using the TCM MO manual chapter 6.4 as a reference.
- 1.26 Removed and replaced the Emergency exit. Adjusted the controls. System ops checked good
- 1.27 Fabricated and installed a new LH Glare shields flange.

This AIRFRAME has been inspected in accordance with a 100HR/annual inspection as per FAR PART 43 APPENDIX D. This inspection used the CESSNA service manual as a reference. [REDACTED] to be in an airworthy condition. Opened all the inspection plates. Removed the interior. Lubed all the cables, pulleys, [REDACTED] inspected and repacked the wheel bearings. Ran the aircraft. All systems ops check good. This aircraft is a [REDACTED] aircraft.

FRANCIS SALISBURY _____

FAA REPAIR STATION VTMR569K

N622QT

Tom's Aircraft
LLC

Phone [REDACTED]

DATE 01/10/2020

310R

LLC

FAX [REDACTED]

HOBBS 3414.2

310R 0828

2721 E Spring Street * Long Beach Int'l Airport * Long Beach, CA 90806

T TIME 5861.3

WO# 19-454

AIRFRAME LOG ENTRY

CW AD 2016-17-08 AS PER PARTS F 2, [REDACTED]

OR 02/01/2021

FRANCIS SALISBURY _____

FAA REPAIR STATION VTMR569K

DATE		TACH	DESCRIPTION OF WORK	SIGNATURE
23 Jan 20			Removed (1) propeller m/n 3AF32C504-C s/n 912327 and installed new mounting o-ring. Reinstalled on aircraft N622QT Cessna 310R. H & H PROPELLER SERVICE, INC. 3439 S. AVIATION DR. BURLINGTON, NC 27215 FAA REPAIR STATION PS4R451M	

1/28/2020

[Print Logbook Entry](#)

Superior Aero Services LLC

1673 Aviation Way suite 100

Lexington, NC 27292

Make: CESSNA

Model: 310R

Reg. No.: N622QT

Order No.: 2017

Completed: 01/28/20

S/N: 310R0828

Hobbs Time: 3433.40

5880.5 TTAF:

- Removed LT and RT 50amp alternators and installed 100 amp alternators on LH and RH sides SN:(H-U010832), (H-U010829), PN:(ALV-9610), IAW 310R maint manual and 310R WD
- Installed 100 AMP circuit breakers PN(160-012-100)
- Installed 100 AMP bus PN: (0813672-6)
- Operational check good.

I certify this airframe is in airworthy condition and is approved for return to service with respect to the work performed.

~~A&F~~

Marion C. Dworshak

[illegible]

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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10601 Observation Road
Manassas, VA 20110
(703) 368-8100

Airframe

N622QT

Hobbs: 3450.2

CESSNA 310R SN310R0828

Feb 20, 2020

Diagnose Hartzell heater inop.

Installed a new 24 Volt fuel solenoid P/N 21701, S/N HFT0697, supplied by Hartzell Engine Technologies, Work Order M879970.

Heater Ops. checked satisfactory.

David Carter A&P [REDACTED] A



FAA Certified Repair Station # OF1R372K

P.O. Box 1245

Phone [REDACTED]

Toms River, NJ 08754

Reg. Number: N622QT

Make: Cessna

Model: 310R

Serial # 310R0828

OLD Hobbss 3458.8 New Hobbs 00.0 A & T 5905.9

Removed heater fuel solenoid valve P/N 21701 S/N HET0697 and installed new P/N 21701 valve s/n HET 0673.
Heater tested OK. Removed ACK A30 encoder S/N 03430 and installed new Trans-Cal encoder P/N 55D120-30N
S/N N26906. Performed static test as per FAR 91.411. Encoder tested within spec. Installed new Datcon Hr meter
P/N DAT100690-D Reading 00.0 Balanced nose wheel Assy and installed new tail strobe powerpack.

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED
ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT
REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR
RETURN TO SERVICE AND IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER
WORK ORDER

NO. 20-5241 DATE 2/28/2020 SIGNED [REDACTED]

CRS-OF1R372K, OCEANAIRE, TOMS RIVER, NJ

Emerald Tech Ops., 9800 Ashton Rd, Philadelphia PA 19114

Date: 03-05-2020 Logbook: Airframe Tail Number: N622QT

Tach: 8.4 Total Time:

Model: 310R Serial: 310R0828

Repairs / Maintenance

- C/W AD 2016-17-08 Inspection No Defects noted at this time
- Inspected found hobbs wire to be loose re-secured and performed operational check. operation checked good.
- Inspected internal door latch found to be loose re secured as req.
- C/W Light 50HR

I certify that the work above was performed and inspected per Cessna 310R m/m, and is found to be in airworthy condition, and is RETURNED to service.

Julio Angel Ayala A&P [REDACTED] A Signature: [REDACTED]

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TOTALS—Carry forward to next page

Page No.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

16APR2020 N622QT C310R-0828 Aircraft Total time 6044.2
Replace heater system thermostat with new p/n G715996 unit.
Remove heater fuel valve s/n HET0673 and install s/n HET0041.
Replaced 2.5 in. SCAT duct in vent system. Heater operational
check satisfactory per Cessna Maintenance Manual and Hartzell
heater manual, heater hobbs 542.0 Installed used serviceable
breaker-switch for aircraft beacon, p/n112-205-101

Removed Rt MLG outer wheel half due to loose bearing
race, installed used serviceable wheel half, packed bearings,
and reinstalled per Parker/Cleveland manual. Installed new
terminal end of positive lead on aircraft Hobbs meter,
operational check satisfactory.

Kenneth P. Schlehr A&P [REDACTED]

A/C hobbs - 09.6 hrs.

N622QT 01MAY2020 A/C TT 6060.1 C/W AD 2016-17-08
by visual inspection per para. 'f-2'. Filled tires, greased
landing gear, filled brake reservoirs Heater hobbs reads
554.5 hrs. Kenneth P. Schlehr A&P [REDACTED]

N622QT

Date: 07/01/2020

A/C TT: 6117.2

Hobbs: 3670.1

Airframe

Completed Heavy 50Hr inspection. Checked tire pressure and inspected break
linings. Complied with AD2016-17-08 by visual inspection of bolts and
hardware connecting elevator trim rod to trim tab and actuator. Both look
good. Next inspection due Hobbs 3780.1

I certify that the work above was performed and inspected per Cessna 310R M/M, and is found to be in airworthy condition and is returned to service

A&P [REDACTED]

IA Jesse Bartlett

SUB-TOTALS this page

TOTALS—Carry forward to next page

SWAZaviation Maintenance Entry

Aircraft: N622QT

Date: 07/31/2020

S/N: 310R0828

Hobbs: 57.4

Maintenance Performed:

R&R squat switch on LH MLG, fixed broken ground wire to flight hour recorder from squat switch. Swung gear, checked landing gear, warning horn and flight hour recorder function and all checked good. R&R RH alternator, ops check good. R&R fuel selector interior trim. Calibrated LH and RH main fuel tank gauges. All work done IAW Cessna 310R AMM. -----END-----

Zachary Spisak

AP

Zachary Spisak

AP

SWAZaviation Maintenance Entry

Aircraft: N622QT

Date: 07/13/2020

S/N: 310R0828

Hobbs: 47.8

Maintenance Performed:

Drained LH and RH engine oil, removed oil filters, cut open and checked for contaminants. Oil filters showed no abnormalities. Installed new drain plug crush washers, filled LH and RH engines with 11 qts each with Phillips XC 20W-50 and installed new oil filters. All work done IAW Cessna 310R AMM. This plane is returned to service only for the work described above. -----END-----

END

AP



AVIATION TECHNOLOGIES, INC.

"N" NUMBER	MODEL	SERIAL	WORK ORDER #
N622QT	Cessna 310Q	310R828	MRO-4324
Tach	Hobbs	ACTT	Engine
	3816.3		Propeller

1. Removed Amp Meter P/N CM-2664-1 S/N 20110032-101, Installed Overhauled unit P/N CM-2664-1 S/N 20110032-102.
2. Replaced Davtron Digital clock P/N 811B S/N 21752 with New Mid-Continent True Blue CH 93 Series CHRONOS Digital Clock/USB Charger, P/N 642C093-2 S/N A21-11826.
3. Inspected Lubricated and ops checked Right Engine cowling flap. No defects noted.
4. Replaced several cam lock fasteners and receptacle clips.
5. Installed Static Wick on Left Aileron P/N 11-04154.
6. Trouble shoot, Found and repaired Right Alternator Field wire, OPS checked OK.

The article above was repaired and inspected as required by current AMM and FAA Regulations and is certified to be airworthy with respect to work performed. This article is approved for return to service.

Mechanic	Kris Cerretani	Certificate #	A&P	Date	05/27/2021
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AVIATION REPAIR
ST. SIMONS ISLAND, GA11 SE APRON DRIVE
ST. SIMONS ISLAND,
GEORGIA 31522

DATE: 07/09/2021

N: 622QT

LOG: AIRFRAME

MAKE: CESSNA

MODEL: 310R

S/N 310R0828

TACH:

HOBBS:

COMP. TIME:

REMOVED FUEL FLOW GAUGE (P/N: C662020-0109; S/N: 82323). REMOVED AND CLEANED FITTINGS FROM BACK OF GAUGE. INSTALLED AN OVERHAULED FUEL FLOW GAUGE (P/N: 6060-G55; S/N: 77605). OPS AND LEAK CHECK OK.

A&P IA

Page No. _____

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
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Aircraft: Cessna C310R
Registration #: N622QT
Date: September 21, 2020

Serial #: 310R0828
Hobbs Meter: Unknown

- Adjusted Voltage regulator to customer requested 28.2VDC. Work done IAW the Cessna Citation 310R AMM Chapter 24-30-00.
Removed existing voltage regulators, PN:9910126-3, SN:17750, and PN: B-00286-1 Rev K, SN: 80U13320. Installed new Hartzell Voltage Regulators PN: R1224B SN: H-R052277 and SN: H-R052279 in accordance with Hartzell installation instructions number 12-1001. No defects noted.
- Rang out wiring IAW the Cessna 310R AMM chapter 24-60-04. After verifying wiring, physical manipulation of the switch confirmed proper operation. Upon a close visual inspection, it was noted the "Stop Plate" as described in Chapter 32-00-00 was missing from the switch assembly. Customer will replace stop plate when aircraft is down for further maintenance.
- Rang out wiring IAW the Cessna 310R AMM chapter 24-60-04. After verifying wiring, physical manipulation of the switch confirmed proper operation. Upon a close visual inspection, it was noted the "Stop Plate" as described in Chapter 32-00-00 is worn and a replacement has been ordered. The Hobbs meter which has been previously replaced has also been found to be intermittent, the unit can be heard running by clicking noises however the counter is not always accurately counting the hours operating. Customer will replace stop plate and Hobbs meter when aircraft is down for further maintenance.
- Inspected wiring at all equipment locations for camera system. Tested amp draw with manufacturer provided test equipment and noticed that the power during full load was not significant enough to maintain battery operation of the camera system. Adjusted voltage regulator to 28.5 after consulting with the camera technicians. Adjustments made IAW the Cessna Citation 310R AMM Chapter 24-30-00.
- Removed left spinner, left prop., and left engine crankcase seal Assy. Replaced left engine crankcase seal with new p/n SA641250 IAW TCM OI-520 maintenance manual. Reinstalled prop., and spinner. Ran up engine and no defects noted.
- Garmin GPS/NAV/COM unit interfaced to HSI pulls G/S flag during self-test. Using NAV test set, input valid ILS signals into system. Vertical and Lateral Flags pull and respond to deviations. Could not duplicate squawk.
- Removed left fuel control valve part num.632916-2 s/n L197827A, replaced with overhauled unit p/n 632916-2 s/n 17177RA (see FAA Form 8130-3 dated 17 May 2016). All work IAW TCM OI-520 maintenance manual. Leaked checked and run up with no defects noted.
- Drained left main fuel tank, added 1/2 gallon of fuel, checked fuel gauge checks good at zero, added fuel in 5 gals. increments, check gauge and checks inaccurate at all levels. Same procedures on right fuel tank. All work done IAW Cessna M.M.
- Removed fuel injectors, cleaned and inspected okay. Reinstalled fuel injectors IAW TCM IO-520 maintenance manual. Leaked checked okay, and no defects noted.

MAINTENANCE RELEASE: The aircraft and/or the component identified above was repaired and/or inspected IAW current regulations of the Federal Aviation Administration and found to be airworthy with respect to the work performed and subsequently approved for return to service on September 21, 2020. Pertinent details are on file under shop work order number TAA-3487.

Signature of authorized person: _____

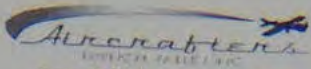
Printed name of authorized person: _____

Kevin Maslanik

FAA Certificate # A&I _____

SUB-TOTALS this page

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	Make: Continental Model: IO-520-M (1) S/N: 270917-R Reg# N622QT W.O.#: 201409			 French Valley Airport F70 37170 Sky Canyon Drive Bldg 2, Suite F Murrieta, CA 92563 Hobbs: 3525.5 Removed propeller installed new crankshaft seal P/N SA641250 installed propeller and torqued, aircraft run-up and leak checked none noted at this time. All above work carried out in accordance with Cessna 310 maintenance manual. Date: Sept 28 th , 2020 Mechanic: [Redacted] Zachary TenBruin A&P [Redacted]
	Make: Cessna Model: 310R S/N: 310R0828 Reg# N622QT W.O.#: 201424			 French Valley Airport F70 37170 Sky Canyon Drive Bldg 2, Suite F Murrieta, CA 92563 Hobbs: 0.0 hrs. TT = 5972.6 Hobbs meter not counting, removed at 66.7 hrs. sticker stating (add 3458.8) removed. Replaced with new P/N 56457-3. L/H fuel transfer pump on main tank intermittent, removed old unit and replaced with new FAA-PMA #PQ1146CE approved pump P/N CA6508092-1A. R/H tach bounces heavily at all RPM's, trouble shot and found tach was bad, replaced with overhauled unit P/N C668016-0107RX. Run-up and ops check good. All above work carried out in accordance with Cessna 310R Maintenance Manual and Illustrated Parts Catalog. Date: October 9 th , 2020 Mechanic: [Redacted] Zachary TenBruin A&P [Redacted]

N622QT

310R

310R 0828

WO# 20-726

OCR Aviation

 Phone [Redacted] FAX [Redacted]
 2721 E Spring Street * Long Beach Int'l Airport * Long Beach, CA 90806

DATE 10/16/2020

HOBBS 14.2

T TIME 6335.5

AIRFRAME LOG ENTRY

- 1.3 Jacked the aircraft, System ops checked good. checked wiring and grounds, no faults found, adjusted squat switch.
- 1.4 Drained the fuel tanks, Adjusted right Aux & both Main tank to empty. topped off the main tanks adjusted Main tank to full, Per 310R Manual P/N D2514: Revision-15, Date June 17, 2005, Chapter 28 Fuel
- 1.5 Inspected the Crankshaft seal, no leaks found. Front oil pan hardware was loose, Retorque as required, Per IO-520-N Continental Manual
- 1.6 Replaced RH/LH missing screws
- 1.8 Installed new #4 EGT Probe P/N M-111 Per 310R Manual P/N D2514: Revision-15, Date June 17, 2005, Chapter 77
- 1.9 Removed the air filter, cleaned and reinstalled.
- 1.10 Stop drilled the L/H tip tank lens

FRANCIS SALISBURY

FAA REPAIR STATION VTMR569K

 Affordable Avionics Inc. 7000 Merrill Ave # 18 Chino, CA 91710 CRS# 8AAR592Y
 LOG ID# 5337 13-January-2021 WO# 5638 AC TT 3627.6
 N622QT S/N 310R0828 CESSNA 310R

Pg 1 / 1

 Removed existing S-Tec Attitude Gyro PN: 504-0027-901, Honeywell IN-831A HSI, and Flux Detector.
 Installed GI 275 Electronics Flight Instrument ADAHRS with GMU11 P.N. 010-02327-10 and Garmin GI 275 Electronic Flight Instrument ADAHRS + AP P.N. 010-02326-20 in accordance with STC SA02658SE. See FAA form 337 for details. Post installation ground check carried out satisfactory. Weight and Balance and Equipment list updated.

Signed

Deepun M. Desai

Date

11/13/2021

OCR Aviation

DATE 01/15/2021
HOBBS 102.2
T TIME 6436.5

N622QT
310R
310R 0828
WO# 20-789

Phone [REDACTED]
2721 E Spring Street * Long Beach Int'l Airport * Long Beach, CA 90806
FAX [REDACTED]

AIRFRAME LOG ENTRY

1.1 Completed an annual using the 310R Service manual ML-C-310, R2, D2514: REV 15, Dated 06/17/2005 Chapter 5-10-01 as a reference.

1.2 Completed the ELT inspection and functional test as per CFR 91.207 (d). Next inspection due 12/13/2021
ELT battery next replacement due 12/13/2021

1.5 Replaced ground wire from the Hobbs meter to the LH gear switch. Installed a new 18-gauge wire from the LH main gear switch to the Hobbs meter. All work done using AC 43.13-1B as a guide.

1.6 Secured the LH wing fuel transfer line away from panel so no chaffing occurs.

1.9 Installed and rigged a new RH Engine cowl flap control cable PN# 9910267, S1106.3. Installed using Chapter 76 as a reference.

1.10 Removed and re-rigged baggage door lock, and both nacelle locks. Nose baggage strike panel cracked due to door slammed shut while in locked position. Fabricated doublers strike plate out of 2024-T3 Aluminum and secured with CR3242-4-2 Cherry rivets.

1.11 Installed new LH engine #4 EGT Probe P/N M-111 Per Cessna 310 Manual Chapter 77 Engine Indicating use as reference

1.17 Installed new SRP411 seal and secured with RTV. All work done using Cessna Chapter 56-00-00 as a guide.

1.19 Removed the RH and LH VAC pumps, VAC Gurge, Vac Manifold and engine compartment hoses.
See new weight and balance dated 01/14/2021

1.21 Serviced LH/RH fuel strainer bowls Used Cessna Model Chapter 28 Fuel as reference.

1.22 Installed and Rigged new RH and LH Prop Cable P/N 1220-65 & 1220-66 Per 310 Cessna Manual Chapter 76 Engine Control.

1.25 Intake drain Aeroquip hose 00624-AE3663161G0172 on LH Engine. Installed new Aeroquip hose 00624-AE3663161E0134 and another 00624-AE3663161G0172 on RH Engine. All work done using Cessna Chapter 71-10-00 as a guide.

1.28 Replaced bad fire extinguisher with new C352TS Fire extinguisher.

1.30 Removed bad upper elevator cable. Removed phenolic block from rib assy. Ground down rib assy around holes for cables to pass through allowing more space before contact with cables. Re-installed Phenolic block on rib assy. Installed new 0860207-2 elevator cable. Secured with safety wire and cotter pins. All work done using Cessna Chapter 27-30-00 as a guide.

1.31 Removed LH AFT Bottom aileron cable. Installed new P/N 0860207-181 Aft Rear aileron cable. Tensioned to 25 ft lbs. and secured. All work done using Cessna AMM D2514: Revision - 15, Revision Date - Jun 17, 2005. Chapter 27-10-00 as a guide.

1.33 Removed RH AFT Bottom aileron cable. Installed new P/N 0860207-181 Aft Rear aileron cable. Tensioned to 25 ft lbs. and secured. All work done using Cessna AMM D2514: Revision - 15, Revision Date - Jun 17, 2005. Chapter 27-10-00 as a guide.

1.34 Drilled hole up to a 1/8 and cleaned edges with file. Cleaned, prepped and primed area. All work done using AC4313-1B, section 4-58 as a guide.

1.36 Removed old main gear torque tubes and replaced them with new, customer supplied torque tubes.

1.37 Installed new nose heater duct, P/N F22024 Per 310 Cessna Manual Chapter 21 Heating & Air Condition System

1.38 Installed new owner supplied torque tubes, PN# 5045012-2 and 5045012-1. Rigged the landing gear using the 310R Service manual ML-C-310, R2, D2514: REV 15, Dated 06/17/2005 Chapter 32 as a reference.

1.39 Removed fuel cap O-rings from both RH/LH tip tanks and LH/RH main fuel tanks. 4 totals. Installed 4 new MS29513-232 o rings on all four fuel caps. All work done using Chapter 28-10-00 as a guide.

1.40 Removed Shimmy Dampener. shimmy dampener with new MS28775-112, MS28775-213, and MS28775-215 "O" Rings. Serviced with new 5606 Hydraulic fluid and re-installed on aircraft. All work done using Chapter 32-20-00 as a guide.

1.41 Removed cabin door. Scraped off old seal, and adhesive. Cleaned areas with M.E.K. Drilled holes for pressure bulb hose and attachment fittings. Installed new Bob Fields Door Seal and secured it with supplied RTV. Re-installed main cabin door and secured hinge pins and cotter pins. All work done using Cessna, Chapter 52-10-00 as a guide.

1.42 Vertical Fin lower bracket / attach Drilled out remaining part of the rivet. Cleaned area. Installed an CR3243-5-4 Cherry Rivet. All work done using AC4313-1B, chapter 4-71 as a guide.

1.43 Bushing for rudder trim tab connecting rod was worn out. removed bad bushing and installed new S1003-9 Bushing. Re-installed connecting rod bolt and secured with cotter pin. All work done using Chapter 27-20-00 as a guide.

1.44 Complied with AD2016-17-08 by visual inspection of bolts and hardware connecting elevator trim rod to trim tab and actuator. Both look good. Next inspection due 01/2022, or at 3725.5 hrs.

1.45 Complied with AD84-26-02 by removing and cleaning paper induction air filters on both RH and LH engines. Next inspection due 01/05/2022.

1.46 Repaired RH engine inboard Nose bowl. Used Cessna 310R D2514: Revision - 15, Revision Date - Jun 17, 2005 Chapter 51 Standard Practices- Structure as reference only.

This AIRFRAME has been inspected in accordance with a 100HR/annual inspection as per FAR PART 43 APPENDIX D. This inspection used the CESSNA service manual as a reference. This aircraft was found to be in an airworthy condition. Opened all the inspection plates. Removed the interior. Lubed all the cables, pulleys, and hinges. Cleaned, inspected and repacked the wheel bearings. Ran the aircraft. All systems ops check good. This aircraft is approved for service.

FRANCIS SALISBURY

FAA REPAIR STATION VTMR569K

SUB-TOTALS this page

TOTALS—Carry forward to next page

IFR Certs.

Affordable Avionics Inc. 7000 Merrill Ave # 18 Chino, CA 91710 CRS# BAAR592Y
 LOG ID# 5349 20-January-2021 WO# 5688 HOBBS 103.6
 N622QT S/N 310R0828 CESSNA 310R

Pg 1/1

1. The Altimeter(s), static system, Transponder(s) and encoder were inspected upto 25,000 Ft. and were found to comply with FAR 91.411 and 91.413 and Appendix E and F of FAR 43. Test Equipment used 1811HA425 SN: 3279 Date of CAL 10/29/2020 IFR 6000 S.N. 1000685871 Date of CAL 02/07/2020
 GI 275 P.N. 011-04489-20 S/N 5M2200926
 GI 275 P.N. 011-04489-10 S/N 5M2102261
 Altimeter # 1 P.N. 5934P-1 S.N. V900
 Transponder GTX 345 P.N. 011-03302-00 S.N. 3EG023745
 2. Upon inspection found Autopilot off by 25 Degrees in the Heading Mode. Start up voltage on the Roll Servo above specs. Removed Autopilot Computer and Roll Servo for repair.
 3. Removed existing GNS 430 and installed loaner Garmin GNS 430 P.N. 011-01060-00 SN: 23402945. Post ground check found satisfactory.

Signed _____

Deepun M. Desai

Date

1/20/2021

02-10-2021 N622QT 310R S/N: 310R0828 Tach: 141.4

Replace left engine left outboard exhaust tail pipe support clamp 2267-262 FAA -PMA Approved clamp, 8130- attached. Removed door panel. Install door seal pump bulb holding clamp with new nut & washer. Install door panel. Removed throttle quadrant R/H side panel, tightened cowl flap cable jam nuts. Cowl flap operation, ops check good. Installed R/H side panel.

Inspector For
 Rick Aviation, Inc.
 Newport News, VA

02-19-2021 N622QT 310R S/N: 310R0828 Tach 146.0

Drained engine oil from L/H & R/H engine. Installed new oil filters P/N # AA48108-2 (Tempest) on L/H & R/H engines (customer supplied). Serviced L/H engine 11 qts Phillips 20W50XC oil. Serviced R/H engine 11qts 20W50XC Phillips oil. Engine run-up c/w, No leaks noted. Found R/H reservoir empty. No noticeable leaks. Filled reservoir, went to bleed brakes 90 degree elbow bottom of brake caliper dripping, removed fitting. Replaced 'o' ring per C310R and Cleveland brake manual. Bleed brakes, No leaks noted. Performed engine run & taxi, Op check good.

Inspector For
 Rick Aviation, Inc.
 Newport News, VA

March 3, 2021 C-310R N622QT A/C Hobbs: 3677.3

1. Removed and reinstalled prop after repair by East Coast Propeller.
2. Operations check satisfactory with no leaks noted at this time.

Aero Services of Winchester, Inc.
 615 Airport Road Suite 107
 Winchester, VA 22602

Levi Jordan A&P

TOTALS—Carry forward to next page

Page No.

04/12/21
N622QT
Hobbs: 254.6
ACTT: 6589.2

Removed GNS 430W 011-01060-00 serial number 23402945, installed
430W 011-01060-40 serial number 97106544. Removed Fuel Flow
0109 serial number 82323, installed Fuel Flow C662020-0109 serial
77605. Ground ran and tested GNS 430W. Both articles performed
satisfactory. Operational check good.

Eric Chase
MHI A&P

HERITAGE
AVIATION

Reg. #: N622QT Make: Cessna 310R S/N: 310R0828
Airframe Hours: Hobbs 254.6 Airframe Logbook

Opened RT wing autopilot roll servo and aileron bell-crank access panels for installation of
repaired roll servo. Worked deferred to later date per customer request. Closed RT wing
autopilot roll servo and aileron bell-crank access panels.

The aircraft and/or component identified above was repaired and inspected in accordance
with current Federal Aviation Regulations and found airworthy for return to service in
respect to the work performed.
Date: 04/23/2021

Sign:

Cert# CRS

WO# A02566

HERITAGE
AVIATION

Reg. #: N622QT Make: Cessna 310R S/N: 310R0828
Airframe Hours: Hobbs 262.6 Airframe Logbook

Reinstalled S-TEC 55X Programmer/Computer P/N 01192-0-8T S/N 01192-1210-
15334 as Repaired. Reference S-TEC Corporation FAA Form 8130-3, Form Tracking
Number 48793 for unit certification. Reinstalled S-TEC Roll Servo P/N 0106-R9 S/N
0606-20951 CEFJ as Repaired. Reference S-TEC FAA Form 8130-3, Form Tracking
Number 48844 for unit certification. Programmer/computer installation and post-
installation testing accomplished in accordance with S-TEC Flight Line Maintenance
Manual 87102. Roll Servo installation accomplished in accordance with S-TEC Drawing
76612 & Bulletin ST-594. No defects noted during installation or ground functional
tests.

The aircraft and/or component identified above was repaired and inspected in
with current Federal Aviation Regulations and found airworthy for return to service in
respect to the work performed.
Date: 04/30/2021

Sign:

nce

e in

WO# A02567

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TOTALS—Carry forward to next page

DATE



AVIATION TECHNOLOGIES, INC.

WORK

"N" NUMBER		MODEL		SERIAL		WORK ORDER #	
N622QT		Cessna 310Q		310R828		MRO-4324	
Tach	Hobbs	ACTT	Engine		Propeller		
	3816.3						

1. Removed Amp Meter P/N CM-2664-1 S/N 20110032-101, Installed Overhauled unit P/N CM-2664-1 S/N 20110032-102.
2. Replaced Davtron Digital clock P/N 811B S/N 21752 with New Mid-Continent True Blue CH 93 Series CHRONOS Digital Clock/USB Charger, P/N 642C093-2 S/N A21-11826.
3. Inspected Lubricated and ops checked Right Engine cowl flap. No defects noted.
4. Replaced several cam lock fasteners and receptacle clips.
5. Installed Static Wick on Left Aileron P/N 1-04154.
6. Trouble shoot, Found and repaired Right Alternator Field wire, OPS checked OK.

The article above was repaired and inspected as required by current AMM and FAA Regulations and is certified to be airworthy with respect to work performed. This article is approved for return to service.

Mechanic Kris Cerretani [REDACTED] Certificate # A&P [REDACTED] Date 05/27/2021



AVIATION TECHNOLOGIES, INC.

"N" NUMBER		MODEL		SERIAL		WORK ORDER #	
N622QT		Cessna 310R		310R0828		MRO-4334	
Tach	Hobbs	ACTT	Engine		Propeller		
	3822						

1. Flushed and bled Right primary Fuel flow indicator lines and fittings, Performed ground run and leak check. No defects noted.
2. Replaced Lamp P/N 1820 on Aux Baggage tank fuel indicator back light, Performed Ops check. No defects noted.
3. Pilot seatback bracket Cracked, Replaced with Co-Pilot seatback bracket and labeled Co-Pilot seat as INOP and Disabled with seatbelt.

The article above was repaired and inspected as required by current AMM and FAA Regulations and is certified to be airworthy with respect to work performed. This article is approved for return to service.

Mechanic Kris Cerretani [REDACTED] Certificate # A/P# [REDACTED] Date 06/09/2021

N622QT 3/25/21 Hobbs: 0211.1 AIRFRAME Bleed RH brake system, fill both brake reservoirs. Remove engine fuel-flow gauge s/n 82323 and install s/n 77605, leak check c/w. Complied With AD 2016-17-08, par'f(2) by visual inspection and lube. Kenneth P Schlehr A&P [REDACTED]

TOTALS—Carry forward to next page

DATE



AVIATION REPAIR
ST. SIMONS ISLAND, GA

11 SE APRON DRIVE
ST. SIMONS ISLAND,
GEORGIA 31522

DATE: 06/23/2021

N: 622QT

LOG: AIRFRAME

MAKE: CESSNA

MODEL: 310R

S/N 310R-0828

TACH:

HOBBS: 0308.3

COMP. TIME:

PERFORMED HEAVY 50HR INSPECTION. SERVICED PORTABLE OXYGEN BOTTLE WITH AVIATORS BREATHING OXYGEN. REMOVED RIGHT BRAKE CALIPER. CLEANED AND INSPECTED. REINSTALLED RIGHT BRAKE CALIPER USING NEW ORINGS (P/N: MS28775-222). BLED RIGHT BRAKES. REMOVED/REPLACED RIGHT BRAKE LININGS WITH NEW LININGS (P/N: RA66-33). SERVICED LEFT AND RIGHT BRAKE RESERVOIRS WITH MIL-5606 HYDRAULIC FLUID. REMOVED/REPLACED LEFT MAIN TIRE WITH NEW TIRE (P/N: 650C86-3) AND REUSED ORIGINAL TUBE. SERVICED TIRE TO 60PSI WITH SHOP AIR. REMOVED/REPLACED NOSE TIRE WITH NEW TIRE (P/N: 606C86-6) AND REUSED ORIGINAL TUBE. SERVICED TIRE TO 40PSI WITH SHOP AIR. OPS AND LEAK CHECKS NORMAL.

KIR [REDACTED] EY
A& [REDACTED] IA

September 20, 2021

Cessna 310R

N622QT

S/N 310R0828

Hobbs: 385.0

Heater Hobbs: 795.1

1. C/W AD2016-17-08 To prevent jamming of the elevator trim tab by visual inspection. This AD is due again by Hobbs: 495.0.
2. Removed and replaced right brake torque plate bolts and locknuts with new DANA [REDACTED]



Legacy Air, Inc
11905 Corporate Way
Broomfield, CO 80021

Curt Lee Power
A&P [REDACTED]

EGA Aviation, Inc.
2642 Airport Drive.
N. Las Vegas, NV

N622QT
Tach: 3931.9

AWC Logbook
WO# 4834

1 Oct 2021

Removed and disassembled RT wheel assy. Replaced and greased both races and bearing. Installed new innertube and tire. (P/N: 078-356-0, S/N: 1078T00454. P/N: 092-344-0), and replaced outboard wheel half with serviceable part. Torqued through bolts IAW wheel assy data markings. Serviced tire, and IAW Cessna 310R MM. Performed MEB89-3 on copilot seat IAW MEB89-3 Instructions no issues ops ok.

I approve this Airframe for return to service.

Jose Valverde A/P [REDACTED]

SUB-TOTALS this page

TOTALS—Carry forward to next page

BK Aircraft Services, LLC
BK Aircraft Services - 503 McKeever Rd - Arcola, TX 77583N622QT
HOBBS: 3972.5

CONTINENTAL, S/N: ENGINE-L SN TBD

October 14, 2021

WORK

1. Removed and replaced #4 EGT Probe. Removed P/N M-111 and replaced with customer supplied probe P/N M-111. Tied up all wiring on probes and function tested unit.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with BK Aircraft Services under work order: WO_230.

Brian Isbell A&P [REDACTED] IA [REDACTED]

wo: WO_230

Airframe - page 1 of 1

BK Aircraft Services, LLC
BK Aircraft Services - 503 McKeever Rd - Arcola, TX 77583N622QT
HOBBS: 3972.5

CESSNA, 310R, S/N: 310R0828

October 14, 2021

1. Removed EDM-760 P/N 760000-6C-F S/N 04678 from aircraft and replace with customer supplied unit P/N 760000-6C-O-A-F S/N 08006. Function tested unit per JPI installation manual.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with BK Aircraft Services under work order: WO_230.

Brian Isbell A&P [REDACTED] A [REDACTED]

MAKE: Cessna
MODEL: 310R
S/N: 310R0828
REG NO: N622QT
WORK ORDER: [REDACTED]

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USADATE: 10/22/2021
A/C TSN: 3993.5
HOBBS: 3993.5

Airframe Entries

Removed entry step leg. Installed serviceable step leg P/n 0811901-2

Maintenance Release

The aircraft and/or component(s) on N622QT was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6210-10-2021.

DATE: 10/22/2021

SIGNED: [REDACTED]
Holden Zigrang, A&P

Work Order: 6210-10-2021

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AIRFRAME LOG BOOK ENTRY

S/N 310R0828
N622QTHOBBS: 474.4
Total Time: 3999.9Date: **OCTOBER 29, 2021**

Installed overhauled Tach Generator on right side engine P/N 22A667 S/n 26538, OH by Accessories, inc (FAA # TM2R192L) under work order 91733R dated Sep 24, 2021

DATE: Oct 29, 2021

SIGNED: [REDACTED]

SUB-TOTALS this page

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AIRFRAME LOG BOOK ENTRY

S/N **310R0828**
N622QT

Date: **November 05, 2021**

3 WORK

HOBBS: **485.7**
Total Time: **4011.2**

heater hobbs hours **0829.8**
Drained engine oil and removed oil filter from left side. Cut and inspected filter. No abnormal contaminants noted. Added 11 Qts Phillips X/C 20W-50 oil and installed new Tempest AA48108-2 oil filter. Engine run up and checked for leaks. None detected.
Drained engine oil and removed oil filter from right side. Cut and inspected filter. No abnormal contaminants noted. Added 11 Qts Phillips X/C 20W-50 oil and installed new Tempest AA48108-2 oil filter. Engine run up and checked for leaks. None detected.
C/W AD 2016-17-08 elevator trim hardware inspection, next due **585.7** hobbs
Clean, gap, and rotate spark plugs on right and left engines
inspected tires and brakes. And found to be within service limits
fix broken cht wire on right engine

DATE: **Nov 05, 2021**

SIGN

N622QT (Aircraft Logs)

Cessna 310R s/n 310R0828

- Inspected aircraft as required by FAR91.409 (a) (1) per inspection checklist meeting requirements of FAR 43.15 (c)(2) and FAR 43 App. D. Performed post inspection operational checks per FAR43.15 (c)
- Removed INOP Ameri-King Model AK-450 ELT with mount (remote switch and External antenna) from aft tail section mounting area
- Installed new Orolia SAS model 1202573 s/n TM0000221499 (Hex Code #2DC86B22FFBFF) 406 Mz unit with mount in same location. mounting bracket installed per Orolia Installation Manual #DOC09081F utilizing AC43.13-2B as a guide.
- Installed remote ELT switch on plate added to left forward side panel at abandoned ash tray location. Connected to ELT with provided 4 wire harness. Installed new required RAMI AV-100 TSO'd external mounted antenna at existing removed ELT Antenna location on upper aft fuselage location. Connected antenna to ELT unit with RG58 coax as required.
- Completed Function tests per Orolia Operational Manual DOC09078F and Inspected and tested ELT as required by FAR 91.207(d) . (see 337 form this date for details and W&B Change) ELT Battery next due **July 2028**
- NOTE: AD2017-16-01** eff. 10/24/2017 Ameri-King Corp. AK-450 & AK451 ELT. No longer applicable unit not installed.
- Removed left and right side Continental IO520M1B engines s/n 901211-H and 270917-R
- Installed ovh. Engines by RAM Aircraft PROJECT # 9966
- LEFT: IO520MB s/n 811588-R. Right: IO520MB S/N 829196-R
- Reinstalled left and right prop McCauley 3AF32C504-C following reseal and flush by H&S Prop
- Left s/n 912327 Right S/N 991362
- Installed left and right cowl mounted recognition lights as per Johnson Aviation Products (STC#SA4222SW). Installed per Drawing list CAL Light (JOAP-002) (1.8 lbs at -21.1") Wired system per installation instructions installed switch/breaker in upper row of circuit breaker panel in unused opening. (See 337 form this date for details.)
- Replaced right side cowl flap control cable with new 9910267-25 unit.
- Repaired pilots seat back bracket by installation of used serviceable part. CW Cessna SB MEB89-3R1 Crew Seat Back Reinforcing Strap #0890017-1 Installation (pilots seat only) Replaced missing seat stop on copilots forward seat track.
- Replaced several loose and working cherry max rivets in weather map processor mount.
- Replaced broken pilot rudder peddle return spring with new 0861711-3. Retorqued elevator bellcrank center attach bolt and saftied. Shimmed right aileron drive rod for clearance reinstalled proper castle nut on forward attach and saftied. . Rerigged flap system cable tensions, panel travels, up and down limit switches and safety switches to specs. Reset elevator cable tension to 35 lb. Reset rudder cable tension to 25 lbs forward spring/43 aft. Resaftied
- Replaced elevator trim horn to trim tab attach screws (4) with new MS35206-256 & MS21042-08 nuts. Secured wire bundle from interference with elevator
- Replaced right engine outboard (right side) exhaust riser new riser assy #K9910295-13 s/n 213582 (Aerospace Welding)
- Cessna SB MEB96-4 Seat Belt And Shoulder Harness Connection Inspection (installation of #S2237-3 bushing) On pilots shoulder harness.
- Replaced left/right side wing locker lock cylinders with Aircraft Security tumblers.
- Cleaned and pressure bled oil pressure gauge lines on left engine.
- Installed used serviceable left wing tip strobe light assy #30-0515 s/n 5414 and function tested OK. Replaced Overhead map light dimming transistor #2N3055 and installed new Rheostat 0870142-3. Repaired various instrument panel post lights, map lights. Reconnected GI275 (ADI/HSI) to Main buss input power from incorrect connection to Avionics Power by moving input connection.
- Repaired chaffed wiring on right sight analog CHT gauge. Replaced left/right wing butt fuse block with new 356004 unit.
- Removed from aircraft unused power converter, wiring CB from buss in aft cabin section. (W&B change minor)
- Cleaned and reapplied windshield out fillet seal.
- Replaced left wing battery box drain vent. Replaced battery box feed wires terminal boots #NO48.
- Replaced fuel cap periphery Orings as required. Reset Fuel quantity gauge signal conditioners by empty/full tank method. Replaced left/ right aux tank fuel drain valve with FAA/PMA Saf-aire CAV-180 drain. Drained and disassembled left/ right tip tank and replaced multiple internal nut plates NAS1473A3. and resealed. Reassembled tank and leak checked. Retorqued right wing outboard aux tank sending attach bolts. Removed upper access cover on left aux tank and tightened internal clamps, reinstalled cover with new gasket. Replaced fitting on left flap well nacelle transfer pump.
- Installed repaired right side fuel selector valve #1H13-14 s/n 8D repaired and inspected by Webcoo w.o. # 5R168.

(1/19/2022 continued next page)

(N622QT continued from previous page)

-CW Cessna CAP31-10-02 (300 series) by replacing left and right main landing gear lock link pivot bolts. SID32-10-02 Main Landing Gear Bell Crank Pivot Bolt. (Repeat each 500 landing or 3 years)

Disassembled 3-piece nose wheel assy and checked hub for cracks (OK) reassembled and returned to service.

Replaced left gear forward wall attach bracket angle gusset by fabricating and installing replacement pieces from same material (2024T3) and reattached.

Retorqued left and right main gear trunnion attach bolts. Weld repaired shimmy damper attach bracket location pin.

Replaced sections of missing gear door seal. Replaced left torque link upper scissor bushing #5241008-1

-CW Cessna SB MEB02-12 And FAA SAIB CE-14-19 dated 5/30/2014

Main Landing Gear Torque Link Inspection left/ right (Install. of AN175-10 bolt & S1450-5H12-063 washers)

-Removed, disassembled, cleaned and resealed with new Orings left/right brake calipers. Reassembled and bled brakes.

-Re-rigged landing gear travels, positions, tensions, lubed & checked emergency gear extensions per Cessna 310R Maintenance Manual

-CW AD2016-07-24 eff. April 26, 2016 Elevator Trim Tab Attach hardware.

Para 1. Initial replacement of hardware per Cessna MEB-27-02 step 2-5. (replaced forward bolt and nut) and rear PCW

CW Para 2 110 hr./annual inspection of hardware (next due at hobbs 650.1 or Jan 2023).

Para 3. Replacement due at any hardware removal per Cessna MEB-27-02 step 3-5.

C&D Heater Required Airworthiness Limitations Inspections. Completed

Per Para B 100 hr./Annual Inspection replaced various heater drain lines with correct aluminum tubing to replaced previously installed plastic (next Due heater 951.9 or Jan 2023)

Per Para C. 250 hr./ 2 year filter replaced (next Due heater 1101.9 or Jan 2024.)

Note: in MM section VII E. 1 hr. of heater time for every 2 hr. flight time.

Heater installed new 12/5/2019 with no heater time given acft TT 5878.3.

Current acft TT is 6512.7 -5878.3 = 634.4 acft Time

Current Heater Time in Service is 317.2 (current heater Hour meter reads 851.9)

DATE 1/19/2022

HOBBS 540.1

AIRCRAFT TOTAL TIME 6512.7

Aircraft heater 851.9 (heater TIS 317.2)

The aircraft identified was repaired and/or serviced in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

"I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."



ANTHONY R. SAXTON

SUB-TOTALS this page

TOTALS—Carry forward to next page

AIRFRAME LOG BOOK ENTRY

S/N 310R0828
N622QT

Date: November 05, 2021

3 WORK

HOBBS: 485.7
Total Time: 4011.2

heater hobbs hours 0829.8

Drained engine oil and removed oil filter from left side. Cut and inspected filter. No abnormal contaminants noted. Added 11 Qts Phillips X/C 20W-50 oil and installed new Tempest AA48108-2 oil filter. Engine run up and checked for leaks. None detected.

Drained engine oil and removed oil filter from right side. Cut and inspected filter. No abnormal contaminants noted. Added 11 Qts Phillips X/C 20W-50 oil and installed new Tempest AA48108-2 oil filter. Engine run up and checked for leaks. None detected.

C/W AD 2016-17-08 elevator trim hardware inspection, next due 585.7 hobbs

Clean, gap, and rotate spark plugs on right and left engines
inspected tires and brakes. And found to be within service limits
fix broken ckt wire on right engine

DATE: Nov 05, 2021

SIGN

N622QT (Aircraft Logs)

Cessna 310R s/n 310R0828

Inspected aircraft as required by FAR91.409 (a) (1) per inspection checklist meeting requirements of FAR 43.15 (c)(2) and FAR 43 App. D. Performed post inspection operational checks per FAR43.15 (c)

-Removed INOP Ameri-King Model AK-450 ELT with mount (remote switch and External antenna) from aft tail section mounting area
Installed new Orolia SAS model 1202573 s/n TM0000221499 (Hex Code #2DC86B22FFBFF) 406 Mz unit with mount in same location.
mounting bracket installed per Orolia Installation Manual #DOC09081F utilizing AC43.13-2B as a guide.

Installed remote ELT switch on plate added to left forward side panel at abandoned ash tray location. Connected to ELT with provided 4 wire harness. Installed new required RAMI AV-100 TSO'd external mounted antenna at existing removed ELT Antenna location on upper aft fuselage location. Connected antenna to ELT unit with RG58 coax as required.
Completed Function tests per Orolia Operational Manual DOC09078F and Inspected and tested ELT as required by FAR 91.207(d) (see 337 form this date for details and W&B Change) ELT Battery next due July 2028

NOTE: AD2017-16-01 eff. 10/24/2017 Ameri-King Corp. AK-450 & AK451 ELT. No longer applicable unit not installed.
-Removed left and right side Continental IO520M1B engines s/n 901211-H and 270917-R
Installed ovh. Engines by RAM Aircraft PROJECT # 9966

LEFT: IO520MB s/n 811588-R.

Right: IO520MB S/N 829196-R

-Reinstalled left and right prop McCauley 3AF32C504-C following reseal and flush by H&S Prop
Left s/n 912327 Right S/N 991362

-Installed left and right cowl mounted recognition lights as per Johnson Aviation Products (STC#SA4222SW). Installed per Drawing list CAL Light (JOAP-002) (1.8 lbs at -21.1") Wired system per installation instructions installed switch/breaker in upper row of circuit breaker panel in unused opening. (See 337 form this date for details.)

-Replaced right side cowl flap control cable with new 9910267-25 unit.
-Repaired pilots seat back bracket by installation of used serviceable part. CW Cessna SB MEB89-3RI Crew Seat Back Reinforcing Strap #0890017-1 Installation (pilots seat only) Replaced missing seat stop on copilots forward seat track.

-Replaced several loose and working cherry max rivets in weather map processor mount.
Shimmed right aileron drive rod for clearance reinstalled proper castle nut on forward attach and saftied. Rerigged flap system cable tensions, panel travels, up and down limit switches and safety switches to specs. Reset elevator cable tension to 35 lb. Reset rudder cable tension to 25 lbs forward spring/43 aft. Resaftied
Replaced elevator trim horn to trim tab attach screws (4) with new MS35206-256 & MS21042-08 nuts. Secured wire bundle from interference with elevator

-Replaced right engine outboard (right side) exhaust riser new riser assy #K9910295-13 s/n 213582 (Aerospace Welding)
-Cessna SB MEB96-4 Seat Belt And Shoulder Harness Connection Inspection (installation of #S2237-3 bushing) On pilots shoulder harness.
-Cleaned and pressure bled oil pressure gauge lines on left engine.

-Installed used serviceable left wing tip strobe light assy #30-0515 s/n 5414 and function tested OK. Replaced Overhead map light dimming transistor #2N3055 and installed new Rheostat 0870142-3. Repaired various instrument panel post lights, map lights. Reconnected GI275 (ADI/HSI) to Main buss input power from incorrect connection to Avionics Power by moving input connection.
Repaired chafed wiring on right sight unused power converter, wiring CB from buss in aft cabin section, (W&B change minor)

-Cleaned and reapplied windshield out fillet seal.
-Replaced left wing battery box drain vent. Replaced battery box feed wires terminal boots #NO48.
-Replaced fuel cap periphery O-rings as required. Reset Fuel quantity gauge signal conditioners by empty/full tank method. Replaced left/right aux tank fuel drain valve with FAA/PMA Saf-aire CAV-180 drain. Drained and disassembled left/ right tip tank and replaced multiple internal nut plates NAS1473A3. and resealed. Reassembled tank and leak checked. Retorqued right wing outboard aux tank sending attach bolts. Removed upper access cover on left aux tank and tightened internal clamps, reinstalled cover with new gasket. Replaced fitting on left flap well nacelle transfer pump.
Installed repaired right side fuel selector valve #1H13-14 s/n 8D repaired and inspected by Webcoo w.o. # 5R168.

(1/19/2022 continued next page)

(N622QT continued from previous page)
-CW Cessna CAP31-10-02 (300 series) by replacing left and right main landing gear lock link pivot bolts. SID32-10-02 Main Landing Gear Bell Crank Pivot Bolt. (Repeat each 500 landing or 3 years)
Disassembled 3-piece nose wheel assy and checked hub for cracks (OK) reassembled and returned to service.
Replaced left gear forward wall attach bracket angle gusset by fabricating and installing replacement pieces from same material (2024T3) and reattached.

Retorqued left and right main gear trunnion attach bolts. Weld repaired shimmy damper attach bracket location pin.
Replaced sections of missing gear door seal. Replaced left torque link upper scissor bushing #5241008-1
-CW Cessna SB MEB02-12 And FAA SAIB CE-14-19 dated 5/30/2014
Main Landing Gear Torque Link Inspection left/ right (Install. of AN175-10 bolt & S1450-5H12-063 washers)

-Removed, disassembled, cleaned and resealed with new Orings left/right brake calipers. Reassembled and bled brakes.
-Re-rigged landing gear travels, positions, tensions, lubed & checked emergency gear extensions per Cessna 310R Maintenance Manual
-CW AD2016-07-24 eff. April 26, 2016 Elevator Trim Tab Attach hardware.
Para 1. Initial replacement of hardware per Cessna MEB-27-02 step 2-5. (replaced forward bolt and nut) and rear PCW

Para 3. Replacement due at any hardware removal per Cessna MEB-27-02 step 3-5.
C&D Heater Required Airworthiness Limitations Inspections. Completed
Per Para B 100 hr./Annual Inspection replaced various heater drain lines with correct aluminum tubing to replaced previously installed plastic (next Due heater 951.9 or Jan 2023)

Per Para C. 250 hr./ 2 year filter replaced (next Due heater 1101.9 or Jan 2024.)
Note: in MM section VII E. 1 hr. of heater time for every 2 hr. flight time.
Heater installed new 12/5/2019 with no heater time given acft TT 5878.3.
Current acft TT is 6512.7 -5878.3 = 634.4 acft Time
Current Heater Time in Service is 317.2 (current heater Hour meter reads 851.9)

DATE 1/19/2022

HOBBS 540.1

AIRCRAFT TOTAL TIME 6512.7

Aircraft heater 851.9 (heater TIS 317.2)

The aircraft identified was repaired and/or serviced in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

"I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."

TAS
VIATION, INC.
Twin Cessna Specialists
WWW.TAS-VIATION.COM

ANTHONY R. SAXTONA

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK

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RAM Aircraft, Limited Partnership • Waco Regional Airport

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
12/13/2021	1244.3	0.0	

CONTINENTAL IO-520-MB Left Engine S/N 811588-R

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/CAT X30039, Continental M-0, Standard Practice Maintenance Manual and I/A/W STC SE7325SW-D. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnetic particle inspected, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. P dated 07/19/2017. Installed new RAM camshaft p/n 1058-20, s/n XJ20196 as direct PMA replacement of Continental camshaft. Installed new lifters p/n SA628488 (int), p/n SA646277 (exh). AD 10-11-04 n/a to lifter p/n installed. AD 97-26-17 c/w per installation of overhauled VAR crankshaft p/n 649898, s/n N04HA320 per CAT CSB96-8. C/W ultrasonic inspection per MSB96-10B, due at next overhaul or when crankshaft removed. AD 99-19-01 c/w and found n/a per crankshaft date of manufacture I/A/W CAT MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W CAT Mandatory Service Bulletin MSB00-5D. Engine assembled with new RAM crankcase p/n 2922-60, s/n 21G0325. Installed new Superior steel cylinders. Installed overhauled oil cooler p/n 635996, s/n 1177. Installed modified connecting rods p/n 1162 as FAA-PMA approved replacement. Engine accessories exchanged for overhauled or new units with exception of prop governor, alternator, vacuum pump, hydraulic pump and tach generator which were not installed per this work order. Slick magnetos p/n 6310 installed. Slick Service Bulletins SB1-12 (Slick Points assy.), SB1-19 (Impulse Coupling Stop Pins) and SB2-19 (Impulse Coupling Rivets) N/A per S/N or the manufacture date. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. P/N 652130 & 652131 rocker arms installed. Engine modified to IO-520-MB per Continental Service Bulletin M-75-6, Rev. 1. Category 1 thru 3 CMI Service Bulletin Compliance Listing in RAM Manual. Installed RAM-FAA-PMA rocker arm cover gaskets p/n 1387-1. Installed RAM/FAA/PMA spring loaded induction clamps p/n 1170-2 and double clamp p/n 1170-5. Engine ground run on test stand per RAM specifications for a minimum of 2.5 hours. Engine run-in with Aeroshell 100 Mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Engine approved for return to service for the work performed. Engine preserved per Continental M-0, Standard Practice Maintenance Manual temp. storage up to 90 days. Pertinent details on file under Project No. 9966.

RAM Aircraft, Limited [REDACTED] P.O. Box 5219, Waco Texas 76708 CRS VA1R551K

Ship, P.O. Box 5219, Waco Texas 76708 CRS VA1R551K

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ELT BATTERY REPLACEMENT DUE 9-81

FCC RADIO STATION LICENSE EXP DUE

4

Date:

357

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1975 Redwood Boath. Many trees with Goodway 6.50x10 6 ply 7/8 light section trees.
trees installed on wheels + wheels installed on aircraft. If 1/2 for Green 3100 series.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

N622QT (Left Engine Logs)

Continental Aerospace 10-520MB S/N 912327

Inspected engine per 100 hr. checklist meeting requirements of FAR 43 App. D. in conjunction with Annual Inspection on Cessna 310R, s/n 310R00828 this date. Performed post inspection operational checks per FAR43.15 (c) Installed this RAM Aircraft OVH engine in left side per Cessna 310R Maintenance Manual/RAM Aircraft Maintenance Tips/ and Continental M-O Manual Chapter 5.

-Serviced with oil (Phillips 20W50 X/C MINERAL) Pre oiled engine per Continental M-O Manual Chapter 5-2.9.

-Installed entire set of new Champion RHB32E Spark plugs

-New engine Mounts J9613-58, Attach bolts AN7-33A and new locking tabs.

-New Flex fuel and oil hoses (Fuel RAM Kit 2228-1 Oil RAM Kit 2228-2.

-Engine came installed with OVH accessories per RAM Log entry dated 12/13/2021.

Reinstalled time continued:

Tach Generator : Globe 22A667 s/n 27004 (TIS unk)

Alternator Hartzell Engine ALV9610 s/n H-U010829 (new 10/28/20 at Acft TT 5880.5 (Current TIS 632.2 hr.)

CW Cessna MEL-24-04 (Hartzell Service Bulletin 081) Alternator Castel Nut Inspection and installed new 8X-4075 nut.

No further inspection required.

Completed Hartzell 500 hr. brush wear inspection and replaced brushes with new ALU-3045BS per Hartzell Service manual ES1031 page 4-1

Installed Alternator front mount Drive Coupling with Overhauled "elastomeric" coupling #646655 s/n QAA048196 returned to service by Quality Aircraft Accessories (CRS#QYIR334Y) w.o. #048196. Installation per Continental M-O Procedures manual 10-4.1 through 10-4.1.5 (torque to 300-450 inch lbs.) and Hartzel Service Information letter A-140.

-Installed OVH Prop Gov McCauley DCFS290D7/T3 s/n 781552 OVH and returned to service by Quality Aircraft Accessories (CRS#QYIR334Y) w.o. 084426

- AD 2020-19-06 eff. 11-3-2020 McCauley prop gov. idler gear. McCauley service bulletin ASB273C (Cessna MEL-61-01) faulty bearing NA due to governor ovh date or s/n.

-CW AD84-26-02 Effective Date - 01/29/85 Paper induction air filters CW by replacement of left/right engine filter due again in 500 hr. at Hobbs time 1040.1

-Set Engine Fuel System, RPM's per Continental Aerospace M-O Manual section 6-4.10.2.1

-Patch repaired right engine outboard exhaust muffler heat shield. Replaced aft muffler hangers isolators with new 62225K2 mount.

-Replaced cannon plug ends for tach generator and oil temp.

DATE 1/19/2022 HOBBS 540.1/AIRCRAFT TOTAL TIME 6512.7

Engine TT 1244.3 Eng. TSMOVH "0"

The engine identified was repaired and/or serviced in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

"I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 Hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."



ANTHONY R. SAXTON

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Page No. _____				DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	
				TOTALS brought forward from previous page

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
12/13/2021	1880.0	0.0	



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL IO-520-MB Right Engine S/N 829196-R

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/CAT X30039, Continental M-0, Standard Practice Maintenance Manual and I/A/W STC SE7325SW-D. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnetic particle inspected, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. P dated 07/19/2017. Installed new RAM camshaft p/n 1058-20, s/n XJ20197 as direct PMA replacement of Continental camshaft. Installed new lifters p/n SA628488 (int), p/n SA646277 (exh). AD 10-11-04 n/a to lifter p/n installed. AD 97-26-17 c/w per installation of overhauled VAR crankshaft p/n 649898, s/n N02EA535 per CAT CSB96-8. C/W ultrasonic inspection per MSB96-10B, due at next overhaul or when crankshaft removed. AD 99-19-01 c/w and found n/a per crankshaft date of manufacture I/A/W CAT MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W CAT Mandatory Service Bulletin MSB00-5D. Engine assembled with new RAM crankcase p/n 2922-60, s/n 21G0341. Installed new Superior steel cylinders. Installed overhauled oil cooler p/n 635996, s/n 0175. Installed modified connecting rods p/n 1162 as FAA-PMA approved replacement. Engine accessories exchanged for overhauled or new units with exception of prop governor, alternator, vacuum pump, hydraulic pump and tach generator which were not installed per this work order. Slick magnetos p/n 6310 installed. Slick Service Bulletins SB1-12 (Slick Points assy.), SB1-19 (Impulse Coupling Stop Pins) and SB2-19 (Impulse Coupling Rivets) N/A per S/N or the manufacture date. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. P/N 652130 & 652131 rocker arms installed. Category 1 thru 3 CMI Service Bulletin Compliance Listing in RAM Manual. Installed RAM-FAA-PMA rocker arm cover gaskets p/n 1387-1. Installed RAM/FAA/PMA spring loaded induction clamps p/n 1170-2 and double clamp p/n 1170-5. Engine ground run on test stand per RAM specifications for a minimum of 2.5 hours. Engine run-in with Aeroshell 100 Mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Engine approved for return to service for the work performed. Engine preserved per Continental M-0, Standard Practice Maintenance Manual temp. storage up to 90 days. Pertinent details on file under Project No. 9966

RAM Aircraft, Limited

P.O. Box 5219, Waco Texas 76708 CRS VA1R551K

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Continental Aerospace IO-520MB S/N 829196-R

Installed this RAM Aircraft OVH engine in right side per Cessna 310R Maintenance Manual/RAM Aircraft Maintenance Tips/ and Continental M-O Manual Chapter 5.

- Reinstalled time continued:

Alternator Hartzell Engine ALV9610 s/n H-U020672 (new 10/28/20 at Acft TT 5880.5 (Current TIS 632.2 hr.)

No further inspection required.

Installed Alternator front mount Drive Coupling with Overhauled "elastomeric" coupling #646655 s returned to service by Quality Aircraft Accessories (CRS#QYIR334Y) w.o. #048196. Installation per Continental M-O Procedures manual 10-4.1 through 10-4.1.5 (torque to 300-450 inch lbs.) and Hartzel Service Information letter A-140.

- **AD 2020-19-06** eff. 11-3-2020 McCauley prop gov. idler gear. McCauley service bulletin ASB273C (Cessna MEL-61-01) faulty bearing NA due to governor ovr date or s/n.

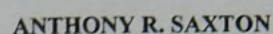
-CW AD84-26-02 Effective Date - 01/29/85 Paper induction air filters CW by replacement of left/right engine filter due again in 500 hr. at Hobbs time 1040.1

- Set Engine Fuel System, RPM's per Continental Aerospace M-O Manual section 6-4.10.2.1
- Replaced right engine outboard (right side) exhaust riser new riser assy #K9910295-13 s/n 213582 (Aerospace Welding)
- Replaced cannon plug ends for tach generator and oil temp.

Engine TT 1880.0 Eng. TSMOVH "0"

The engine identified was repaired and/or serviced in accordance with current Federal Aviation Administration regulations and is hereby approved for return to service with respect to work performed.

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