

*The Standard*

# AIRCRAFT LOG

ASA 88-2

**Aircraft Record** General Information

Manufacturer Cessna Model R182

Serial R18200345 Registration Number 104240C

Date of Manufacture \_\_\_\_\_

**Engine(s) currently installed:**

Manufacturer Lycoming Model O-540 Serial \_\_\_\_\_

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

**Propeller(s) currently installed:**

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_

HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

YEAR 20 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information		
		Empty Weight	Empty CG	Useful Load

AC LOG ENTRY

AIRTRONICS, INC.      PHONE 715-823-2161      P. O. BOX 297  
 FAA CRS JM5R977M      FAX 715-823-2163      CLINTONVILLE, WI 54929

Re-installed upgraded GNS 430W, S/N 96307521 and replaced GA-56 to GA035 WAAS Antenna. Removed RT-359A Transponder and installed Garmin GTX-327 per manufacturers instructions and AC 43.13 - 1B & 2A. Revised weight and balance reflects this installation and entered into aircraft records. Performed transponder test required by FAR 91.413(a)(c) and 91.217(b) in accordance with FAR 43 app. F. Garmin GTX, S/N 83740385.

-----END-----

The aircraft and/or component identified hereon was repaired and inspected in accordance with current federal aviation regulations and was found airworthy for return to service

Date 12/16/10 W.O. 21480 Signed \_\_\_\_\_


YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

8/17/2012

N4248C

Cessna R18200345

Aircraft

- Tach 847.4 4304.8 A/C TT

- Completed Annual Inspection &amp; Servicing IAW 100 Hr/Annual Inspection Requirements.

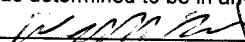
- All wheel bearings repacked; performed landing gear retraction/extension checks. Charged &amp; service battery.

- Replace battery contactor diode. ELT inspected IAW FAR 91.207(d) &amp; found satisfactory.

- CW AD87-20-03 by Insp seats, tracks, rollers, stops &amp; hdwre.

- I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy condition.

Signed



William Birch A&amp;P 22129881A

8/17/12	Tach 847.4	4304.8	M/IT	AD 2011-10-09 after by Inspection of Seats, tracks, rollers, hardware & measurement of components per AD.
				William Birch A&P 22129881A

YEAR  
20  
DATE

RECORDING  
TACH  
TIME

SYSTEM TESTED TO 20 KFT. TACH 872.9

### QUALITY AVIONICS INC. QU8R488X

I certify that the transponder/ altimeter/ encoder/ static system tests  
14 CFR Parts 91.411 and 91.413 have been complied with. 14 CFR Pt. 43  
Appendix E, Paragraph (C) test has been complied with.

Make:	Model:	S/N
Altimeter <u>UNITED</u>	<u>5934P-A56</u>	<u>E4987</u>
Encoder <u>ACK</u>	<u>A-30</u>	<u>27820</u>
Transponder <u>GAMA</u>	<u>GTX 327</u>	<u>83740385</u>

W/O No. 1306181 By: GARY HUTCHINSON Date 06-18-2013  
Next Test Due: 06-XX-2015 Tail No. N4248C

Approved By: [Signature] FORM 13A (04-29-04)

Iterations  
(number of  
ic entries.)

TACH  
HODI  
REPLAC  
IMPERI  
SEE FO

Mercer, Pa. 16137 Repair Station No. QU8R488X

Approved By: [Signature]  
Tail No. N4248C

3  
ERT

QUALITY AVIONICS, INC. C.R.S. QU8R488X  
GROVE CITY REGIONAL AIRPORT  
40 OAKLEY KELLY DRIVE  
MERCER, PA 16137  
(724)748-5750



WO # 1306181 GARY LEE HUTCHINSON JR

[Signature]



YEAR 20 <u>13</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
				<p><b>July 14, 2013</b> <span style="float: right;"><b>Moore Aviation, Inc.</b></span> <span style="float: right;"><b>N4248C</b></span></p> <p>(Tach. Reads: 873.1 hrs.)</p> <p>Drained oil and removed oil sample to forward to AvLabs for a base line oil sample. Added 8 qts. of Aeroshell W100 to capacity. Test operated engine for leak check and correct pressure. Replaced customer supplied aircraft position light within tail rudder. Inspected engine fuel injector system by visual inspection at fuel lines, clamps and connections I.A.W. AD 2011-26-04. Removed cracked static button, nipple and elbow and installed new on right side of fuselage as prior work to secure plumbing for P-SAT test and certification. Installed customer supplied center console black plastic molding at pedestal position cutting to size for fit around elevator and rudder trim dials and cowl flap door handle.</p> <p>AD 2011-26-04, effective date 1/25/2012; Tach. Reads 873.1 hrs., next due by 973.1 hrs. (recurring every 100 hours.)</p> <p>Signed <i>Jason Schiestle</i> , Certificate # <i>A7P 2856661</i></p>

N4248C  
 9-19-13 Tach 877.9 TTAF 4335.3 SLA 30.5  
 A/C cleaned, lubed, and inspected iaw the appropriate service manual and FAR 43 app.D. All AD's checked thru 2013-18. C/W AD 11-10-00. ELT checked iaw FAR 91:207 d, found serviceable. Battery due 9-2015. Replaced right exhaust manifold with new from The parts exchange. Replaced vac pump with o/h'ed Rapco 215CC s/n 146152 vac pump supplied by the owner. Jacked a/c and performed gear retraction and extension 4 times normal operation and twice emergency extension, all ops normal. Serviced brakes with 5606 fluid. Serviced a/c battery. Dressed prop. A/C run, taxied, systems checked and found airworthy. A/C returned to service. I certify that this aircraft has been inspected in accordance with an annual inspection and found to be in airworthy condition. Jason Schiestle IA 2819327 *Jason Schiestle*







YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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Premier Aviation Services, LLC - dba **Flying Moose Aviation** (HGR 1A4 KPJC)

10/21/2014    N4248C    Cessna R182    s/n R18200345    Tach: 924.4    Acft TT: ~~3099.9~~ **4387.8**

Performed 100 hour inspection of airframe in accordance with Cessna R182 service manual manual section 2, inspection checklist. Inspected ELT IAW FAR 91.207 (d), operational check good. ELT battery due Aug 2015. Pitot static system check due June 2015. Wheel bearings inspected and greased. Battery was inspected. Airframe was lubed per manufactures inspection lubrication chart. Tire pressure's checked. Serviced master brake cylinders. Inspected control cables and tensions. Serviced hydraulic gear pump with hydraulic fluid 5606. Performed gear retraction and inspection. ( 4 cycles) Performed emergency gear down extension system. Complied with AD-83-13-01 by visual inspection, placard Fuel Cap sealing installed. Complied with AD 2011-10-09 by visual and dimensional inspection of seat tracks, rollers, washers, locking pins and seats per Para G. Next due at 1024.4 Installed new instrumennt filter Complied with ICA on standby vacuum system with report 08072 Precise Flight SVS V instructions. All AD's complied with per Zook aviation, The AD Tool Box 10-2014. I certify that this airframe has been Inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.

*Steven C. Hurd*  
 Steven C. Hurd, A&P2685696


YEAR  
20  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

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

Lynn W. Ford  
LYNN W. FORD

OCT 21 2014 DATE  
A&P 459511A

N4248C Dec-4-2014 Cessna R182 SER#R18200345 Tach: 932.9  
Bun Air W/O 11261

Removed the pilot's seat to C/W SEB07-5 R5 Pilots side secondary seat. Installed Kit SK210-174B  
per the (J) instruction of the kit. Reinstalled the seat. Op's good

Kirk Knepper

Kirk Knepper  
A&P522199032



YEAR  
20 /  
DATE

N4248C

**Inspections, Tests, Repairs and Alterations**  
 endorsed with Name, Rating and Certificate Number of  
 Air Facility. (See back pages for other specific entries.)

SCALE CORRECTIONS			ALTIMETER NO. 01	
UNTESTED	ADD		5434P	E4987
Altimeter Reads	Algebraically	Room Temp. °C	Altimeter Reads	Room Temp. °C
-1,000	+20	75	18,000	+50
0	-0-		20,000	+30
1,000	-10		25,000	<del>X</del>
2,000	-0-		30,000	
3,000	-0-		35,000	
4,000	-10		40,000	
6,000	+30		45,000	
8,000	+60		50,000	
10,000	+60		60,000	
12,000	+70		70,000	
14,000	+60		80,000	
16,000	+70			

IFR

**5R186J**

imeter/ encoder/static  
 3 have been complied  
 aph (c) test has been

ASG E4987  
 27820  
 7 83740385

S/N.  
 e JULY 09, 2015  
 -2017 FORM 1  
 0 2484880R

N4248C

FORD CO. LW6R186J  
 McVILLE AIRPORT  
 FREEPORT, PA 16229

TESTED BY  
 W/O 150705

APPROVED BY Lynn Ford 2484880R

M 469C

YEAR

20 12

DATE

TIME

SERVICE

Technician or Repair Facility. (See back pages for other specific entries.)

**Inspections, Tests, Repairs and Alterations**

SYG TST TO 20K

IFR

**FORD CO. LW6R186J**

I certify that the transponder/altimeter/encoder/static system tests. FAR Pt. 91.411 and 91.413 have been complied with. FAR Pt. 43 Appendix E, Paragraph (c) test has been complied with.

Altimeter UNITED 5934P-A56 E4987

Encoder ACK A30 27820

Transponder GARMIN GTX327 83740385

Make: Model: S/N.

W/O# 150705 By L.FORD Date JULY 09, 2015

Next Test Due 24 months @ 07-2017 FORM 1

Approved By Lynn Ford 2484880K

N4248C

0392

YEAR  
20 15  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

**Description of Inspections, Tests, Repairs and Alterations**  
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



Premier Aviation Services, LLC - dba **Flying Moose Aviation** (HGR 1A4 KPJC)

11/18/2015    N4248C    Cessna R182    s/n R18200345    Tach: 967.4    AFTT: ~~324.4~~ 4424.8 *John*

Performed Annual inspection of airframe IAW Cessna R182 service manual section 2, inspection checklist. Inspected ELT IAW FAR 91.207 (d), operational check good. Installed new ELT battery, ELT battery due JAN 2018. Pitot static system check due July 2017. Serviced battery. Jacked acft and inspected landing gear system. Relay tested good. Inspected nose gear squat switch. Cycled gear 3 times and tested emergency down function. Complied with AD 2011-10-09R1 by visual inspection, next due at tach 1067.4. Complied with ICA Garmin 430 WAAS and Standby vacumm system Precise Flight SVS V Instructions. All ADs complied with per Zook AD Tool Box 11-2015. Removed #2 radioo for repair. Repaired connection of EDM 800 MP switch to MP guage. I certify that this airframe has been Inspected in accordance with Annual Inspection and was deterimed to be in Airworthy Condition. /---END---/

Steven Hurd, A&P26856961A

JOH

YEAR 20 <i>16</i> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



**Cessna**  
A Textron Company

Premier Aviation Services, LLC dba **Flying Moose Aviation** (HGR 1A4 KPJC)

09/02/2016 N4248C C-R182 / Lycoming O-540 TACH: 1008.0

Replaced Right main tire with Goodyear Flight Custom III sn 61652005. 15X6.00x6. Pressure set to 60 psi.  
Acft returned to service this date.

*[Signature]* A&P2685696

<i>N/A</i>				
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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Premier Aviation Services, LLC - dba **Flying Moose Aviation** (HGR 1A4 KPJC)

12/01/2016    N4248C    Cessna R182    s/n R18200345    Tach: 1018.7    AFTT: 4476.1

Performed Annual inspection of airframe IAW Cessna R182 service manual section 2, inspection checklist. Inspected ELT IAW FAR 91.207 (d), operational check good. ELT battery due JAN 2018. Pitot static system check due July 2017. Serviced battery. Jacked acft and inspected landing gear system. Relay tested good. Inspected nose gear squat switch. Cycled gear 3 times and tested emergency down function. Greased all wheel bearings and set tire pressure. Replaced induction filter BA-2505. Complied with AD 2011-10-09R1 by visual inspection, next due at tach 1118.1. Complied with ICA Garmin 430 WAAS and Standby vacumm system Precise Flight SVS V Instructions. Cleaned belly of oil and dirt. All ADs complied with per Zook AD Tool Box 11-2016. I certify that this airframe has been Inspected in accordance with Annual Inspection and was deterimed to be in Airworthy Condition. /—END—/

Steven Hurd, A&P2685696IA


YEAR

20

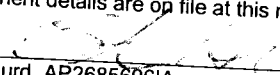
DATE

MODEL	R182	<b>FLYING MOOSE AVIATION</b>	DATE	3/3/17
SERIAL #	R18200345	470 TASA DRIVE	TACH;	1045.1
REG #	N4248C	ZELIENOPLE PA 16063	HOBBS;	2640.9
<b>AIRFRAME LOGBOOK INSERT</b>				

Removed seat belts from acft. Installed BAS inertia reel shoulder harness system. See FAA form 337 dated 3/3/17. Removed prop control cable and installed new prop cable p/n MC345-085-5 and rod end p/n MC5S1104-3. Installed MaxPulse light controller p/n 9200-000-B, see FAA form 337 dated 3/3/17. Aircraft returned to service.

The aircraft, and/or component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this maintenance facility.

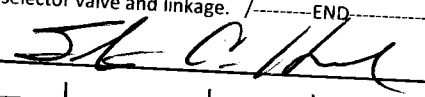
DATE 3-3-17

SIGNED   
Steven Hurd AP2685696IA

Premier Aviation Services, LLC - dba *Flying Moose Aviation (HGR 470 KPJC)*

05/13/2017 N4248C Cessna R182 Tach: 1081.6 Hobbs: 681.5

Removed nose wheel and balanced, serviced nose strut and shimmy damper with hydraulic fluid 5206. Corrected pilot seat belts, inspected fuel selector valve and linkage. /-----END-----/

 Steven C. Hurd, A&P2685696

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Flying Moose Aviation** (HGR 470 KPJC)

06/09/2017 N4248C C182RG sn R18200345 Hobbs: 2706.4 Tach: 1104.3

Electric fuel pump intermittent, removed fuel pump and installed new electric fuel pump from Cessna, p/n C291506-0102, see 8130 dated 02Jun2017 from Textron aviation Inc. Right side strobe flash tube inoperative, installed new Whelen strobe flash tube, p/n AM427, 28volt. Operational check of electric fuel pump and flash tube, check normal. All work done in accordance with Cessna R182 maintenance service manual. Aircraft returned to service. /-----END-----/



Ben Kristophel, AP2833711

**AirQuest Aviation**

485 Airport Road  
Butler, PA 16002

**AIRQUEST**



Date: 6/06/2017; Aircraft: N4248C; Type: 182R; S/N: R18200345  
Shop Order #: 17-2810

**AIRFRAME:**

1.) Replaced deteriorated baffling with new P/N: VSR3 as required. Work done as per Cessna R182 maintenance manual section 17.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in Accordance with Current FAA Regulations and is Approved for Return to Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station.  
Hobbs time: 2704.0 Tach time: 1102.1

Authorized Signature 

Matt Steele, AirQuest Aviation CRS # Q3ER924K

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**AirQuest Aviation**  
 485 Airport Road  
 Butler, PA 16002



Date: 5/26/2017; Aircraft: N4248C; Type: 182R; S/N: R18200345  
 Shop Order # 17-2796

**AIRFRAME:**

- 1.) Removed and replaced gear up light bulb with new p/n 327. Work done in accordance with Cessna R182 Maintenance Manual section 16
- 2.) Adjusted pilots door linkage. Ops check good. Work done in accordance with Cessna R182 Maintenance Manual section 3.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in Accordance with Current FAA Regulations and is Approved for Return to Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station.  
 Hobbs time: 2694.7 Tach time: 1093.6

Authorized Signature  Matt Steele. AirQuest Aviation CRS # Q3ER924K



**Premier Aviation Services, LLC - dba Flying Moose Aviation (HGR 1D1- KPJC)**

09/16/17 N4248C C-R182 Lycoming IO-540-J3C5D sn L-19692-40A Tach: 1132.6

Complied with Lycoming SB 632 and FAA AD 17-16-11. No further action required due to serial number of engine and manufacture date. Engine returned to service. /-----END-----/

 Steven Hurd, AP26856961A

SCALE CORRECTIONS

MAKE	MODEL	ALTIMETER NO.
United	5934P	E4987
Altimeter Reads	Altimeter Reads	Room Temp. °C
-1,000	-980	14,000
0	+10	16,000
500	520	18,000
1,000	1010	20,000
1,500	1515	25,000
2,000	2015	30,000
3,000	3020	
4,000	4020	
6,000	6035	
8,000	8060	
10,000	10080	
12,000	12090	

QUALITY AVIONICS Inc. Tested by: Kevin  
 Grove City Airport W/O No. 1709211  
 Mercer, Pa. 16137 Repair Station No. QU8R488X  
 Approved By: Kevin  
 Tail No. N4248C

Form No. 12A 02-11-2009

SYSTEM TESTED TO 18 K FT.  
 Tach: 1136.1  
 QUALITY AVIONICS INC. QU8R488X

I certify that the transponder/ altimeter/ encoder/ static system tests required by 14 CFR Parts 91.411 and 91.413 have been done in accordance with 14CFR Part 43 appendices E and F.

Make: United Model: 5934P S/N: E4987  
 Encoder: ACK A30 27820  
 Transponder: Garmin GTX-327 83740385  
 W/O No. 1709211 By: Kevin Date: 9/21/17  
 Next Test Due: 9/21/19 Tail No. N4248C  
 Approved By: Kevin FORM 13A rev2 (01-14-14)



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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TACH TIME: 1194.5 HR

N4248C

DATE 02/23/2018

**Removed:**

1. GARMIN GTX 327 TRANSPONDER P/N: 011-00490-00, S/N: 83740385.

**Installed:**

1. INSTALLED GARMIN GTX345 MODE S AND ADS-B IN AND OUT TRANSPONDER PN: 011-03302-00 SN: 3EG020034 ACCOMPLISHED IN ACCORDANCE WITH STC# SA01714W1. CIRCUIT PROTECTION PROVIDED BY NEWLY INSTALLED 3 AMP KLIXON PUSH-PULL TYPE CIRCUIT BREAKER INSTALLED ON THE AVIONICS BUSS. SEE 337 DATED 06-02-2017 FOR DETAILS AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.
2. INSTALLED APPAREO STARTUS POWER P/N: 153010-000040 S/N: 057143 INTO THE TOP RIGHT OF THE CENTER PEDISTOL. CIRCUIT PROTECTION PROVIDED BY NEWLY INSTALLED 5 AMP KLIXON PUSH-PULL TYPE CIRCUIT BREAKER INSTALLED ON THE AVIONICS BUSS.
3. UPDATED GARMIN GNS430W TO MAIN SOFTWARE VER. 5.40 1AW GARMIN STC SERVICE BULLETIN NO 1766 REV A DATED DEC 7, 2017. INSTALLED FAA APPROVED FLIGHT MANUAL SUPPLEMENT P/N: 190-00356-03 REV F DATED 11-30-2017. SEE 337 DATED 02-23-2018 FOR DETAILS AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS.

COMPLETED COMPASS SWING 1AW AC 43.13-1B CH 12 SEC 3 PAR 37.  
 AIRCRAFT EQUIPMENT LIST/ WEIGHT BALANCE AMENDED. REFERENCE AC 43.13-1B REV 1, CH 10.  
 EMI/RFI CHECKS HAVE BEEN PERFORMED WITH NO ADVERSE EFFECTS ON NEW OR EXISTING EQUIPMENT DETECTED.  
 ELECTRICAL LOAD HAS BEEN CHECKED. LOAD DOES NOT EXCEED 80% OF THE GENERATING SYSTEM CAPACITY REF AC 43.13-1B REV 1 CH 11 PAR 37.

QUALITY AVIONICS, INC. C.R.S. QU8R488X

GROVE CITY REGIONAL AIRPORT  
 41 OAKLEY KELLY DRIVE  
 MERCER, PA 16137

(724)748-5750

WO #1802061

MICHAEL W BAKER












Date: 6/14/2023; Aircraft: N4248C; Type: R182; S/N: R18200345; Hobbs: 3091.70; Tach: 1445.60; Total Time: 4926.60  
Performed a 100-hour/Annual Inspection on the airframe and propeller in accordance with the inspection checklist contained in the R182 Maintenance Manual.

- \*Opened and closed the aircraft to perform inspection.
- \*Complied with Airworthiness Directive research to 2023/09 Biweekly issuance.
- \*Completed aircraft lubrication per manufacturers recommendations.
- \*Completed the wheel bearing cleaning, inspection, and re-greasing.
- \*Completed airframe fuel strainer or fuel bowl filter cleaning.
- \*Removed and replaced the fuel cap seals.
- \*Cleaned the landing gear for inspection.
- \*Complied with FAR 91.207 (d) Inspection and operational check of ELT.
- Remove, inspected and reinstalled the ELT battery(ies).  
The battery expiration date is on 06/2024.
- \*Inspected the aircraft battery, serviced electrolyte using distilled water and charged the battery. Inspected and cleaned the battery area. Touched up battery area as required. Reinstalled battery and electrical connections. Operationally tested the battery with satisfactory results.
- \*Removed and replaced the vacuum regulator filter p/n ARB3-5-1
- \*Removed the foam filter and cleaned the filter housing as required. Installed a new filter p/n BA-2505 to the housing and secured.
- \*Inspected the landing gear retraction system, switches, wiring and terminals. Found the nose squat switch mounting block to be impacted with dirt and grease. Deflated the nose strut to gain access to the squat switch and cleaned grease and dirt from the cavity of the squat switch. Applied LPS 1 to the switch and actuated the switch by moving the strut up and down by hand and electrically retracting, extending the landing gear with no faults noted. Service the the strut with nitrogen and performed several gear extensions and retractions. Added spiral wrap to the switch wires through the lower engine bay. Operational check was satisfactory. Work performed per Cessna R182 MM.

Infinity Aviation Services LLC PAGE 1 OF 2



- \*Removed the stripped screw and replaced the rivets for the two nut plates. Installed three new screws.
  - \*Removed the propeller and de-sludged the crankshaft. Cleaned the propeller hub and installed a new o-ring p/n A1633-11. Cleaned corrosion from the crankshaft mounting flange, treated, primed the face. Installed a new alternator mounting bolt p/n AN7-42A. Installed a new alternator belt p/n S1597-1-37.5 and set belt tension. Reinstalled propeller and torqued and safetied. Ground run performed satisfactory with no leaks noted. Work accomplished per
  - \*Complied with AD11-10-09, seat rail wear and seat pin engagement inspection and found the inboard pilot seat rail to have a crack. The crack is currently within limits. Next due in 12 months.
  - \*Removed and replaced the electric fuel pump p/n C291506-0102. Operational check was good with no leaks noted.
  - \*Removed the light corrosion that was present on the propeller dome weight ring and the governor control shaft. Applied AV8 corrosion inhibitor to prevent further corrosion.
  - \*Trouble shot the lighting system for the post, glare shield, over-head, and map lighting. Traced wires in harness found pulled wires not connected. Removed the transistor dimming assembly. Inspection of the connector revealed the female terminals were damaged. Replaced all female terminals in the connector and reinstalled dimming assembly. Repaired the wires that were not connected. Replaced multiple burned out bulbs from all three lighting circuits. Reinstalled all instrument lighting panels. Operational test was good. Owner advised.
- I certify that this aircraft has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at Infinity Aviation Services LLC under the work order listed.

Signature: Glenn Ducharme  
Date: 06/14/2023; W/O: 118242  
Infinity Aviation Services LLC  
FAA Certified Repair Station  
#16FR992Y