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RECORDKEEPING
SYSTEM

**AIRFRAME
MAINTENANCE
RECORDS**

AIRFRAME MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N1548H

Aircraft Mfg. CESSNA Model 177RG Serial No. 177RG0722

Engine Mfg. LYCOMING Model 10-360 Serial No. _____

Engine Mfg. _____ Model _____ Serial No. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

Propeller Mfg. _____ Model _____ Serial No. _____

Hub Design No. _____ Hub Serial No. _____

Blade Design No. _____ Blade Serial No's. _____

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

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Aviation Plus LLC
262-656-1260
Aviationplusllc.com

06/30/15 N1548H Tach 5813

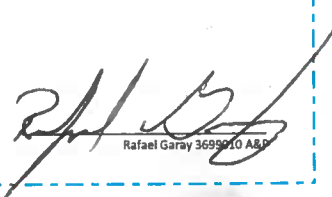
Removed wingtip nav/strobe assemblies. Removed strobe power pack assemblies. Installed RMD Aircraft Lighting wingtips including recognition LED lamps. Replaced nav/strobe assemblies w/Whelen combination nav/strobe assemblies. Aircraft existing wiring, switches and circuit breakers for nav/strobe units used. New wiring for the recognition light system installed by VIP Aero Instruments & Avionics (see 337). 337's filed for light installation. Removed tail beacon lamp assembly & power supply. Installed Whelen LED tail beacon assembly, 337 filed. Installed Aero-Trim aileron trim system, 337 filed. Replaced belly header tank drain system w/flush mount SafeFlight sump drains. This is a minor alteration. Cleaned pilot's seat aft crosstube of paint & corrosion. Shimmed left spoiler worm gear to driven gear.


Robert Russell 3411885IA

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262-656-1260
Aviationplusllc.com

07/01/2015 N1548H Tach 5813

Replaced both main tires.


Rafael Garay 3699910 A&P

VIP Aircraft Maintenance 58 Lindbergh Drive Brainard Airport 860-525-5713/www.vipavionics.com Hartford, CT 06114
LOG ID# 1351 22-July-2015 WO# 841/1 HOBBS 850.9
N1548H S/N 177RG0722 CESSNA 177RG

Pg 1 / 1

Replaced right hand main landing gear tire tube with new 15 X 600-6 Michelin Air Stop p/n: 097-500-0, date of manufacture JUILLET-2014.

 A+P 2777906
A&P 2777906 Eric Santerre

VIP Aircraft Maintenance 58 Lindbergh Drive Brainard Airport 860-525-5713/www.vipavionics.com Hartford, CT 06114
LOG ID# 1375 07-August-2015 WO# 858 HOBBS 851.8
N1548H S/N 177RG0722 CESSNA 177RG

Pg 1 / 1


- Removed old Gill G35 main ship battery s/n: G02799543. Activated, charged, and installed a new Gill G35 battery s/n: G02870722. OPS check satisfactory.

 A+P 2777906
A&P 2777906 Eric Santerre


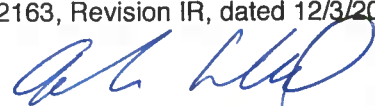
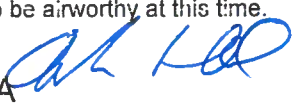
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09/11/2015 N1548H Tach 5838 TTAF 5838

Replaced air filter element. Replaced baggage door seal. Replaced cabin door seals. Replaced taxi & landing light LED bulbs. Added seat rail slide stop to pilot's side. Replaced ELT batteries, due 09/2020. ELT checked per FAR91.207(d). C/W AD11-10-09, seats & rails, visual & dimensional check, due 100 hrs/annually. C/W AD11-26-04, injector lines & supports, visual inspection, due 100 hrs. All routine items checked per inspections sheets. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.


Robert Russell 3411885IA

☐ TOTAL-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
			N.W. Air Repair Inc September 15, 2015
			N1548H Tach Time 5854.5 Hrs
			Replaced inner tube in left main tire with new.
			
			Graham L Goad A&P 2801174
			N.W. Air Repair Inc September 15, 2015
			N1548H Tach Time 5856.1 Hrs
			Installed vortex generators on the wings, horizontal and vertical tail surfaces in accordance with drawing package MA2162, revision IR, dated November 1, 2001 and Installation Manual MA2163, Revision IR, dated 12/3/2001, per STC#SA01033SE.
			
			Graham L Goad A&P 2801174
			N1548H
			NW Air Repair Inc. August 4, 2016
			503-472-4790
			Total Time 5868.3 Hrs
			Tach Time 5868.3 Hrs
			Inspected and tested ELT per FAR 91.207(d), ELT battery good thru Sept 2020. Researched AD notes, c/w 2011-10-09 seat rail and roller inspection, replaced pilots outboard seat rail with new McFarlane part, no other defects noted, next due at next annual or at 5968.3. c/w 2015-19-07, fuel injection line inspection, no defects noted, next due at 5968.3 or when maintenance is done. c/w 2009-02-03 RSA fuel injection servo plug inspection, plug not loose, next due at oil change or 50 hrs. Inspected wing spars per SEL-57-03, no cracks found, report filed with Cessna. Replaced air filter element. Replaced nose gear door grommet and adjusted gear door rigging. Performed gear retraction and extension test in normal and emergency modes, all ops normal. Removed right side fuel drain tee fitting under floor and resealed pipe fittings, installed tee fitting and leak checked, no leaks. Serviced airframe per service manual. This aircraft inspected per annual inspection in accordance with aircraft service manual and FAR 43 Appendix D and found to be airworthy at this time.
			
			Graham L Goad 2801174 IA

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06/30/15 N1548H Tach 5813

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Robert Russell 34118851A

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07/01/2015 N1548H Tach 5813

Replaced both main tires.


Rafael Garay 3699910 A&P

VIP Aircraft Maintenance 58 Lindbergh Drive Brainard Airport 860-525-5713/www.vipavionics.com Hartford, CT 06114
LOG ID# 1351 22-July-2015 WO# 841/1 HOBBS 850.9
N1548H S/N 177RG0722 CESSNA 177RG

Pg 1 / 1


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VIP Aircraft Maintenance 58 Lindbergh Drive Brainard Airport 860-525-5713/www.vipavionics.com Hartford, CT 06114
LOG ID# 1375 07-August-2015 WO# 858 HOBBS 851.8
N1548H S/N 177RG0722 CESSNA 177RG

Pg 1 / 1

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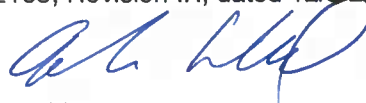
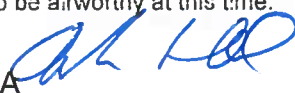
 A+P 2777906
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09/11/2015 N1548H Tach 5838 TTAF 5838

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Robert Russell 34118851A

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			Graham L Goad A&P 2801174
			N1548H
			NW Air Repair Inc. August 4, 2016
			503-472-4790
			Total Time 5868.3 Hrs Tach Time 5868.3 Hrs
			Inspected and tested ELT per FAR 91.207(d), ELT battery good thru Sept 2020. Researched AD notes, c/w 2011-10-09 seat rail and roller inspection, replaced pilots outboard seat rail with new McFarlane part, no other defects noted, next due at next annual or at 5968.3. c/w 2015-19-07, fuel injection line inspection, no defects noted, next due at 5968.3 or when maintenance is done. c/w 2009-02-03 RSA fuel injection servo plug inspection, plug not loose, next due at oil change or 50 hrs. Inspected wing spars per SEL-57-03, no cracks found, report filed with Cessna. Replaced air filter element. Replaced nose gear door grommet and adjusted gear door rigging. Performed gear retraction and extension test in normal and emergency modes, all ops normal. Removed right side fuel drain tee fitting under floor and resealed pipe fittings, installed tee fitting and leak checked, no leaks. Serviced airframe per service manual. This aircraft inspected per annual inspection in accordance with aircraft service manual and FAR 43 Appendix D and found to be airworthy at this time.
			
			Graham L Goad 2801174 IA

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N.W. Air Repair Inc


September 5, 2016

N1548H

Tach Time 5871.1 Hrs

Replaced both fuel level transmitters with repaired units from Instrument Rebuild, adjusted high and low stops and sealed fuel tank access panels. Filled tanks with avgas and re-calibrated JPI EDM 900 fuel gages, no leaks noted. Replaced landing light a taxi light wiring from bulbs to plug on the engine cowling.

Graham L Goad A&P 2801174



N.W. Air Repair Inc

September 22, 2016

N1548H

Tach Time 5877.6 Hrs

Replaced O rings in right brake caliper, replaced right side brake linings.

Graham L Goad A&P 2801174



N.W. Air Repair Inc

March 16, 2017

N1548H

Tach Time 5879.8 Hrs

Replaced battery with new Gill G-35, serviced and charged per Gill manual.



Graham L Goad A&P 2801174

Signature Technicair

Airframe Log

Joe Foss Field
Sioux Falls SD

DATE	MAKE/MODEL	CYCLES	HOBBS	REGISTRATION	SERIAL NUMBER
7-12-17	CESSNA /177RG		936.8	N1548H	0722

- Removed and Replaced Alternator with Overhauled P/N DOFF10300J S/N H72588
- Operational Check Good

MAINTENANCE RELEASE: The aircraft and/or component identified were repaired/inspected in accordance with current Federal Aviation Regulations and are approved for return to service. Details on file at this agency under W.O. #61368

Signed


William James

See Personnel Roster for Return to Service Personnel

CRS# DDNR793K

3501 Aviation Ave. Sioux Falls, SD 57104

Aviation Plus LLC

262-656-1260

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07/18/2017 N1548H Tach 5900 TTAF 5900

Replaced air filter element. Repositioned top cowl shock mounts for better fit. Repaired lower cowl nose door brackets & replaced nylon bushings and clevis pins. Replaced right cowl flap hinge. Moved exhaust fairing 1/2" outboard for clearance. Patched lower cowl @ exhaust exit opening. Replaced worn hardware in aft nose doors. Shimmed nose strut. Replaced baggage door seal. Replaced carpet w/PlanePlastics carpet, P/N KVIC-177RG-392, see Skandia W/O 308627-16 flame retardancy tests. Installed 15 amp circuit breaker & 14 gauge wire for aux power port for use of a portable onboard oxygen generator. Rigged worm drive in left wing spoiler. ELT batteries replaced, due 7/2021. ELT checked per FAR91.207(d). C/W AD11-10-09, seats & rails, visual & dimensional check, due 100 hrs/annually. C/W AD15-19-07, injector lines & supports, visual inspection, due 100 hrs. All routine items checked as per inspection sheets. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Robert Russell 34118851A

N 1548H

Date 2-22-18

I certify this aircraft's altimeter(s), static system(s), altitude reporting equipment and transponder(s) have been tested and inspected in accordance with 14CFR part 43 Appendix E and F to comply with 14CFR part 91.411 & 91.413. Pertinent details are on file at this Repair Station under work order 18-003.

Authorized signature

Repair Station No. U9VR976X

N1548H

NW Air Repair Inc.

503-472-4790

Total Time

5929.0

Hrs



Tach Time

5929.0

Hrs

July 26, 2018

Removed Sandel HSI, removed HSI gyro and power convertor from radio rack behind baggage area, removed magnetometer from right wing. Installed Garmin G5 electronic flight instrument s/n 4JQ013909 as an attitude indicator, this unit wired to existing GTN 750 for GPS track. Installed Garmin G5 electronic flight instrument s/n 4JQ01243 as an HSI, installed GAD 29 nav convertor on shelf forward of instrument panel on right side, installed GMU magnetometer in right wing, wired heading output from GAD 29 to existing S-Tec 40 autopilot. Wired L/R nav output from GTN 750 and GTN 650 to existing S-Tec 40 autopilot through 3 pole switch, labeled switch "NAV 1, NAV 2". Re-wired existing CDI through 16 pole relay p/n RS16-012 to GTN 650 and GTN 750, relay is controlled by 3 pole switch installed below CDI and labeled "NAV 1, NAV 2". Installed required circuit breakers for G5 units, GAD 29 and RS16-012 relay. G5 units installed per STC SA01818WI and installation manual 170-01112-10 Rev 11. Aircraft was weighed and weight and balance data revised.

Graham L Goad 2801174 IA

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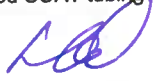

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Pacific Coast Avionics		CRS OPXR455L			
Registration:	Make:	Model:	S/N:	Aircraft Time:	Tach:
N1548H	CESSNA	177RG	177RG0722	Hobbs: 1073.9	N/A
<p>Installed Garmin GA 55 XM Antenna s/n 87504909 using STC SA020185E-D. Installed and tested IAW GA 55 installation manual 190-01284-00 Rev D, dated Feb 2012. Post installation ground checks good. NDN. Installed Garmin GDL 69 Remote Datalink Receiver s/n 4770391 using STC SA014875E-D. Installed, configured and tested IAW GDL 69 installation manual 190-00355-02 Rev N, dated Jan 2020. Post installation ground checks good. NDN. Installed Garmin GAD 13 OAT Interface s/n 5YG001467 and Davtron C307PS OAT Probe, and interfaced to dual Garmin G5 Electronic Flight Instrument System IAW G5 installation manual 190-01112-10 Rev 21, dated Nov 2019. Post installation ground checks good. NDN.</p> <p>The installation of the Garmin GA 55 XM Antenna; Garmin GAD 13 OAT Interface; and Garmin GDL 69 Remote Datalink Receiver have been analyzed in accordance with 14 CFR 43 Appendix A and found to meet the requirements of a Major Alteration as defined by 14 CFR 1.1. An FAA Form 337, dated 4/03/2020 has been completed and filed with the Federal Aviation Administration. All other repairs or alterations noted in this maintenance entry have been analyzed in the same manner and found to be Minor.</p> <p>This aircraft has been inspected in accordance with current federal aviation regulations and found to be airworthy with respect to the work performed. Details will be on file at Pacific Coast Avionics under Paul Orsini, work order 20-85.</p>					
Signature: Jason Wallace			Date: 4/3/2020		

		N.W. Air Repair Inc	July 1, 2020	
		N1548H	Tach Time 6020.9 Hrs	
		Removed headliner and inspected spar carry through per SEL-57-09, started process of removing corrosion in web to lower cap radius and on the web, corrosion is exfoliation type, removed .020" to .033" from radius between 10.0 and 14.5" BL on right-side of the forward side of the carry through. Due to the extent of the corrosion this work was suspended. Replaced SCAT tubing on forward air vents.		
		Graham L Goad A&P 2801174		
9-3-2020				
N1548H	Cessna 177RG	S/N: 177RG0722		
Work performed: Completed SEL-57-09, the corrosion that was previously removed was found to be within limits, no further corrosion removal was required. The eddy current inspection IAW SEL-57-09m was performed by Tailwind Inspections Inc., reference work order No. 13791R1. Reinstalled previously removed headliner and interior trim pieces. Replaced the STEC 0111 pressure transducer with a serviceable transducer P/N: 0111 S/N: 4717A. Installed missing scat tubing for rear vents above headliner. Researched and complied with all applicable AD's. Complied with AD2011-10-09. Complied with AD2015-19-07. Complied with AD2009-02-03. Complied with FAR91.207(d), Battery due 06-29-2023. This aircraft has been inspected IAW an annual inspection as per Cessna 177RG maintenance manual and FAR 43 Appendix D.				
		Justin Frunk AP3685162IA		

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