



The Standard

AIRCRAFT LOG

ASA-SA-7

BOOK #4



The Standard™

AIRCRAFT LOG

ASA-SA-1

YEAR 2022 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty CG	Useful Load	Remarks
2/17	5114.8				

Tail#: N52878 SN#: 177RG1297 A/C Type: Cessna 177RG TACH: 5114.8 Date: 02/17/2022

Removed Pilot Altimeter PN 5934P-1, SN L6616. Installed Previously Removed, Serviceable Midcontinent CDI PN MD200-706, SN E18-11145, interfaced to the existing GNS 430W Comm/Nav/GPS. Updated The GI 275 Dual ADI/HSI Display software to 2.43 per Garmin SB 22002, REV A, Dated Jan 7, 2022. Verified operation per SB. Replaced multiple defective lamps #327 Equivalent in instrument lighting system on pilot panel. Removed Garmin GNS 430W PN 010-00412-45, SN 96305401 for outside repair. Re-installed same after repair and certification. Verified Operation of the Marker Beacon on the Audio Panel per PS Engineering Install Manual 200-780-0005, Rev 12, Apr 2020. Performed leak check of Pitot/Static System with reference to Part 43, App. E as required for the continued airworthiness of the current FAR 91.411 for the aircraft.

Signed: _____

[Signature]

A&P#: _____

4044705

YEAR 2022 DATE	TOTAL TIME IN SERVICE
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N52878

Cessna 177RG

Tach and TTIS: 5135.6

Inspected aircraft using
travels and tensions che
function and signal stren
filter element serviced b
P/N MS29513-138 and M
powerpack for hydraulic
for damage with none fo
downlock forces checke
fuselage gear door hinge
Repaired small crack in f
strobe found to have no
by Don Chatham. Opera
72-03-03R3 by inspectio
ignition switch by meter
I CERTIFY THAT THIS AIR
HAS BEEN DETERMINED
[Signature]
Darrell R. Noble IA35130

leable Midcontinent
GPS. Updated The
7, 2022. Verified
ghting system on
repair. Re-installed
Audio Panel per PS
F Pitot/Static System
current FAR 91.411

47705

YEAR 2022 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty CG	Useful Load	Remarks
					05/06/2022
					05/06/2022
					S/N 177RG1297
N52878					
Cessna 177RG					
Tach and TTIS: 5135.6					
<p>Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. Control surface travels and tensions checked. Ailerons adjusted to book specs for travel and neutral. ELT checked for corrosion, "G" switch function and signal strength. ELT battery due JAN 2023. Cleaned, inspected and greased all wheel bearings. Induction air filter element serviced by owner/operator. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings P/N MS29513-138 and MS29513-111. Performed Lift Reserve Indicator ICA inspection with no defects noted. Checked powerpack for hydraulic fluid level. Replaced R/H brake cylinder flexible hose and fittings. Checked all nose gear scissor bolts for damage with none found. Owner operator replaced nose gear linkage eccentric bushing (lock assembly) and bolt. Up and downlock forces checked and found within spec. Bled and serviced R/H side brake system with hydraulic fluid. Replaced L/H fuselage gear door hinge half and hinge pin with new. Landing gear retraction and emergency test performed satisfactorily. Repaired small crack in R/H wingtip and checked L/H wingtip as well as stabilator tips for cracks and integrity of repairs. R/H strobe found to have no power to the power supply. Wires under radio stack found to have chafed. Chafed wires repaired by Don Chatham. Operationally checked electrical system and no discrepancies noted. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 seat rails/roller bracket by inspection and measurement; 76-07-12 R1 ignition switch by meter check. A.D. biweeklies checked thru this date.</p> <p>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><i>Darrell R. Noble</i> Darrell R. Noble IA3513071</p>					

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H: 5135.6

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/RG Service

YEAR
20 22
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.)

☒ **ALTIMETER MODEL** GE275
S/N 5M2200437 **CERTIFIED TO** 20,000
FT. PER FAR PART 43 APPENDIX E
THIS DATE: 10/28/22

☒ **ENCODER MODEL** AK350
S/N 3514232 **MATCHED TO**
ALTIMETER S/N 5M2200437 **TO**
20,000 **FT THIS DATE:** 10/28/22

☒ **AIRCRAFT STATIC SYSTEM HAS BEEN TESTED**
AND FOUND TO COMPLY WITH PAR (a) APPENDIX
E FAR PART 43 THIS DATE 10/28/22

☒ **TRANSPONDER MODEL:** GTX330ES
S/N 84100161 **MEETS OR EXCEEDS**
REQUIREMENTS OF FAR PART 43 APPENDIX F.
THIS DATE 10/28/22

SIGNED:  **FOR**
SONORA AVIONICS INC. FAA C.R.S. NYRR723K

TACH: 5227.5 ALTIMETER SCALE ERROR

W/O# 10175 **Customer:** N52878
Part# GE-275 ADE **Serial#** 5M2200437

Altimeter Pressure

Test PT (FT)	Indicator readings at + 25 c	Test PT (FT)	Indicator readings at + 25 c	Test PT (FT)	Indicator readings at + 25 c
-1,000	-980	8,000	7990	30,000	
0	-20	10,000	7980	35,000	
500	480	12,000	12,000	40,000	
1,000	980	14,000	14,000	45,000	
1,500	1475	16,000	16,020	50,000	
2,000	1980	18,000	17,980	55,000	
3,000	2980	20,000	19,970	60,000	
4,000	3980	22,000		70,000	
6,000	5990	25,000		80,000	

SONORA AVIONICS INC.

FAA C.R.S. NYRR723K

S
r of Technician or

YEAR 20 <u>22</u> DATE <u>23</u>	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.)
12/11	5233.5		5233.6	Garmin GI 275 backup battery test completed with both installed units passing the Rundown Test. AOI rundown time: 82 min; HSI/Backup AOI rundown time: 88 min. Test performed per GI275 installation manual instructions Angelo A. Petropolis owner/pilot #3204074 Angelo A. Petropolis {ELT DUE JAN 2025}
1/31	5237.0		5237.0	ELT battery replaced with MERL P/N BP-102A ELT checked for corrosion + operation signal. Test satisfactory next battery replacement due JAN 2025 Angelo A. Petropolis owner/pilot #3204074

YEAR 2023 DATE	RECORDING TACH TIME 5257.8	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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N52878

Cessna 177RG

Tach and TTIS: 5357.8

05/22/2023

S/N 177RG1297

Inspected aircraft using the Cessna Service Manual checklist as a guide. Lubed all pulleys and bellcranks. Control surface travels and tensions checked. ELT checked for corrosion, "G" switch function and signal strength. ELT battery due JAN 2025. Cleaned, inspected and greased all wheel bearings. Induction air filter element serviced. Fuel strainer bowl removed, cleaned, inspected and reinstalled using new o-rings P/N MS29513-138 and MS29513-111. Performed Lift Reserve Indicator ICA inspection with no defects noted. Replaced smoking rivets on upper cowl with screws and nuts. Installed CIES fuel quantity transmitters in accordance with STC #SA02825NY. Transmitter wiring accomplished using AC 43.13 as a guide. Wiring schematic created and located with STC documentation. Aerospace Logic indicator was installed in accordance with STC #SA02511SE and located on R/H instrument panel. Wiring accomplished using AC43.13 as a guide with schematic created and located with STC documentation. Owner/operator replaced cabin door vent window weatherstrip. Checked powerpack for hydraulic fluid level. Replaced bolt, AN174-26A, on main gear actuator brace. Landing gear retraction and emergency test performed satisfactorily. Replaced alternator brushes with new. Complied with the following A.D.s: 72-03-03R3 by inspection and lube; 2011-10-09 seat rails/roller bracket by inspection and measurement; 76-07-12 R1 ignition switch by meter check. A.D. 23-02-17 Spar Carry Thru structure by visual inspection using 10X magnifying glass and eddy current inspection. Work performed in accordance with A.D. and SEL-57-09R1. Report supplied to owner and Cessna. A.D. biweeklies checked thru this date.

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

Darrell R. Noble
 Darrell R. Noble IA3513071

YEAR 2023 DATE	RECORDING TACH TIME
10/01	5336
11/17	5357

of Technician or

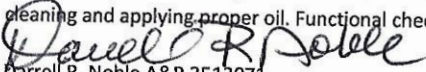
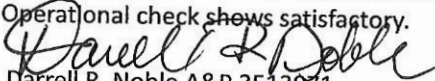
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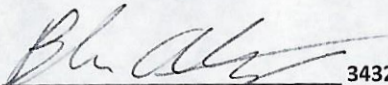
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YEAR 20 <u>23</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/01	5336.7		5336.7	10/01/2023 Tach: 5336.7 Replaced engine starter Hartzell P/N 149 NL/EC, S/N H-X071389. Induction airbox and L/H forward engine baffles reinstalled. Serviced induction air filter by cleaning and applying proper oil. Functional check shows satisfactory.  Darrell R. Noble A&P 3513071
11/17	5357.6		5357.6	11/17/2023 Replaced all brake linings with APS 66-109. Resealed L/H brake cylinder with MS28775-224 o-ring. Serviced and bled system with 5606 hydraulic fluid. Operational check shows satisfactory.  Darrell R. Noble A&P 3513071

YEAR 2024 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
1/11				<p>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</p> <p>DATE: 1/11/2024 N52878 CESSNA CARDINAL 177RG S/N: 177RG1297 TACH: 5361.2 TT:5361.2</p> <p>PERFORMED TROUBLESHOOTING OF CIES FUEL SENDERS IN RH AND LH FUEL TANKS. DRAINED LH AND RH FUEL TANKS. ADJUSTED FLOAT ARMS ON RH AND LH FUEL SENDERS. VERIFIED FLOAT MECHANICAL AND SENDER ELECTRICAL OPERATION FROM EMPTY TO FULL. REINSTALLED LH AND RH FUEL LEVEL SENDERS. REFILLED LH AND RH FUEL TANKS AND RECALIBRATED FUEL SENDERS. SEE CALIBRATION RECORD FOR 2 GALLON INTERVAL FREQUENCIES. CHECKED FUEL SENDERS FOR LEAKS. NO DISCREPANCIES FOUND. VERIFIED LH AND RH FUEL SENDER ZERO READING AT EMPTY. PERFORMED ALL LABOR IAW CIES DOCUMENT CC-TR-2840-031, AEROSPACE LOGIC DOCUMENT S200-FL20X-001, S200-HID AND S200-FL20X-004, CESSNA CARDINAL 177RG MM AND AC43.13-1B.</p> <p>HANGAR X AVIATION, LLC SIERRA VISTA, AZ 85635 HANGARXAVIATIONLLC@GMAIL.COM 520-940-1903</p> <p style="text-align: right;">  3432382 A&P Brandon Armstrong </p>

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