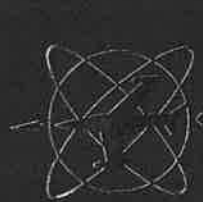


#4



The Standard

AIRCRAFT LOG

ASA-SL-2

YEAR
20 20
DATE 8/8/20

TOTAL
TIME IN
SERVICE

Current Weight and Balance Information

Empty Weight

Empty CG

Useful Load

Remarks

N45193 05/08/2019 Tach: 4954.6 TT: 4954.6

- Aircraft cleaned, controls checked and lubed. Check landing gear, performed retract tests, All operational checks, OK. ELT checked I/A/W 91-207 (d).
- Cleaned, inspected and repacked wheel bearings. Replaced Left main tire concord 15x6.00-6 Right main with Air Hawk 15x6.00-6 and nose tire
- AirHawk 5.00-5. Replaced brake pads PN:06-16955. Repaired skin cracking on right aileron with small patch. Service shimmy damper. Removed spinner and checked and lubricated prop. Replaced right and left bottom most cowl mount receivers with Lord PN: J7444-14. Complied with AD 2011-10-09 see aircraft permanent records for full ad list. All work done in accordance with Cessna service manual. I certify this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.
- Charles R. Ciambra A&P 4134494

Charles R. Ciambra

N45193 05/29/2020 Tach: 4954.6 ATT: 4954.6

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition
Michael J. Ricard A&P 20424191A

Michael J. Ricard

YEAR
20
DATE

TOTAL
TIME IN
SERVICE

Current Weight and Balance

Empty Weight

Empty CG

N45193 08/18/2020 Tach: 4969.6 ATT: 49
Replaced both panel light transistors PN: ;
and resecured connections to box. Operat
Marcy A. Capps Airframe 3933372

Marcy A. Capps

N45193 08/18/2020 Tach: 4969.6
Installed new left magneto gasket PN: SA534750. Timed
Performed run up, all operational checks, OK.
Charles R. Ciambra 4134494

Charles R. Ciambra

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.)



Date: 10/15/2020; Aircraft: N45193; Type: 177RG; S/N: 177RG1096; Hobbs: 2260.20; Tach: 4979.20; Total Time:
 Performed Model 177 Carry-Thru Spar One-Time Corrosion Inspection IAW Cessna SEL-57-09 Accomplishment Instruction 1-6(1-4).
 Found carry-thru spar had severe ex-foliation through the center duct hole and right duct hole and corrosion pitting through out spar. The
 corrosion exfoliating from the center duct hole spar web, and lower cap to the web radius was at the blend limit per Table 1 Repair Criteria
 on the spar web of .050. Per Figure 2 Process Flow chart, and Table 1 the corrosion is at the blend limits and the spar is deemed
 unairworthy and needs replacement. No further action taken. Customer notified.

Signature: Glenn Ducharme

Date: 10/15/2020, W/O: A17448

Infinity Aviation Services LLC

FAA Certified Repair Station

#I6FR992Y

Date: 6/25/2021; Aircraft: N4
 *Removed the left and right wing carry-thru spar p/n 1710
 SEL-57-09. Installed service
 Services Repair Station N3DF
 spar and cabin top IAW SEL-
 control surface angles, cable
 SEL57-09. FAA Form 337 wa
 *Cleaned upper cabin area an
 from affected areas. Applied
 Reassemble plenums and rei
 *Fabricated new fuel tank ven
 Replaced all air ducting in cab
 *Replaced induction bracket a
 *Performed fiberglass repair t

Signature: Glenn Ducharme,
 Date: 06/25/2021, W/O: 175
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #I6FR992Y

ertificate Number of
ther specific entries.)



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063

* Removed the left and right wings. Removed cabin top stiffeners, stringers, fuselage root ribs and cabin top aft skin. Removed main wing carry-thru spar p/n 17107032-8 due to excessive inter-granular corrosion and failing inspection criteria layed out by Cessna SEL-57-09. Installed servicable carry-thru spar p/n 17107032-5 (see 8130-3 and eddy current inspection) from Aircraft Inspection Services Repair Station N3DR341N. Assembled removed components and torqued spar attach bolts to specification. Applied CIC to spar and cabin top IAW SEL-57-09 Sec. 9 step 10. Installed left and right wings and connected aileron and flap cables. Checked control surface angles, cable tensions and safetied. Work accomplished IAW AC43.13-1B, Cessna 177RG Service Manual, and SEL57-09. FAA Form 337 was submitted.

*Cleaned upper cabin area and associated components. Removed sound deadening material. Removed surface corrosion as required from affected areas. Applied epoxy primer to upper cabin area. Removed cabin air plenums, cleaned and applied epoxy primer. Reassemble plenums and reinstalled.

*Fabricated new fuel tank vent lines using same size and type material. Epoxy primed fuel vent lines and installed sleeving as original.

*Replaced induction bracket air filter p/n BA-5705.

*Performed fiberglass repair to cabin heat plenums on firewall and installed aluminum support rings.

Signature: Glenn Ducharme

Date: 06/25/2021, W/O: 17541

Infinity Aviation Services LLC

FAA Certified Repair Station

#16FR992Y

[illegible]

I certify that the altimeter, static system, and altitude reporter test required by FAR's 91.411, 91.413, & 91.217 have been performed and found within the limits of FAR 43, appendices E & F and AC 43-6A.

TESTED TO 20,000 FEET ON 9/20/2021

Transponder: Mfg King p/n _____
Model KT-76A s/n 66738

Encoder: Model SACS-35 p/n _____ s/n 4610

Altimeter: (1) Mfg UNITED p/n 5934P3 s/n 04174

(2) Mfg _____ p/n _____ s/n _____

W/O A17623 Tach/Hobbs 4975.2

Date 9/20/2021 Sign RF

Infinity Aviation Services LLC, NH 03063, FAA Repair Station #16FR992Y



Date: 10/01/2021; Aircraft: N45193; Type: 177RG; S/N: 177RG1096; Hobbs: 226.10; Tach: 4975.20; Total Time: 4975.20
 *Removed the King KX155, tray, and associated wiring, and installed a Garmin GNS530W GPS Nav/ Com with rack. Installed Garmin GNS530W Nav/Com using space provided from original installs, mounted the GNS530 rack, and wiring. Installed and mounted circuit protection devices to avionics buss and labeled NAV1 and COM1. The GNS530W GPS Nav/Com was installed in the #1 position of the radio stack utilizing AN hardware, factory installation kit and mil spec wire. The GNS530W was interfaced to the installed audio panel, CDI & transponder. The full electrical load does not exceed 80% of the full electrical capacity using calculated method I/A/W AC43.13-1B. Work was done I/A/W STC # SA01933LA-D, AML, and Installation manual pn# 190-00357-02 rev M dated 06/30/2017. Performed operational check of GNS530W and integrated systems with no discrepancies found. Wired RG 400 Coax to Gps port of Garmin GNS530W to installed Garmin GA 35 WAAS antenna meeting the criteria specified in the Garmin GNS530W installation manual. Updated the Weight and balance & equipment list to reflect the install of the GNS530W, and associated wiring for the aircraft. Placed a copy in the aircraft records. Installed the FAA approved GNS530W flight manual supplement pn# 190-00357-03 Rev G dated 02/29/2020 in the POH. Placed the Instructions for Continued Airworthiness document #190-00357-65 Rev D dated 10/31/2014 in the aircraft records. Filled and submitted FAA form 337.
 *Removed the EDO-AIRE DG P/N:G-502A S/N:59719F sent out for overhaul. Received overhauled unit same P/N, same S/N, installed unit IAW AMM. Ops/ leak check good.

Signature: Rafael Tomei
 Date: 10/01/2021, W/O: A17623
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

Actions, Tests, Repairs and Alterations

ed with Name, Rating and Certificate Number of
 cility. (See back pages for other specific entries.)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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Date: 10/05/2021; Aircraft: N45193; Type: 177RG; S
 Performed a 100-hour/Annual Inspection on the airfr
 Mainten

*Opened and closed the aircraft to perform inspection
 *Complied with Airworthiness Directive research to 2
 *Completed aircraft lubrication per manufacturers rec
 *Completed the wheel bearing cleaning, inspection, a
 *Completed airframe fuel strainer or fuel bowl filter cl
 *Removed and replaced the fuel cap seals.

*Cleaned the landing gear for inspection.
 *Complied with FAR 91.207 (d) Inspection and operat
 Removed and replaced the ELT battery(ies), p/n MN1
 The battery expiration date is on 07/2022

*Inspected the aircraft battery, serviced electrolyte usi
 Touched up battery area as required. Reinstalled batt
 results.

*Removed and replaced the vacuum regulator filter p/n
 *Removed and replaced the nose wheel bearings p/n :
 p/n 05430

*Complied with AD 11-10-09, Seat and rail inspection
 *Secured pilot's seat loose roll pins and saftied, retorqu
 *Removed left and right main gear legs, bevel gear sup
 gear support. Replaced seals on landing gear plug, ge
 and brakes. Checked rigging on down latch and gear s

I certify that the altimeter, static system, and associated equipment are required by FAR's 91.411, 91.413, & the limits of FAR 43, appendices E & F, and are in compliance with the limits of FAR 43, appendices E & F.

TESTED TO 20000
Transponder: Mfg KING
Model 141-7

Encoder: Model 34C5-35

Altimeter: (1) Mfg UNITEC
(2) Mfg

W/O A17623
Date 9/20/2021
Infinity Aviation Services LLC, NH 030

Date: 10/01/2021; Aircraft: N45193; Type: T-44A
*Removed the King KX155, tray, and GNS530W Nav/Com using space protection devices to avionics buss and radio stack utilizing AN hardware, fact CDI & transponder. The full electrical AC43.13-1E. Work was done I/A/W S. Performed operational check of GNS530W to installed Garmin GNS530W to installed Garmin manual. Updated the Weight and balance. Placed a copy in the aircraft records. 02/29/2020 in the POH. Placed the Ins aircraft records. Filled and submitted F *Removed the EDO-AIRE DG P/N: G-5 unit IAW AMM, Ops/ leak check good.

Signature: Rafael Tomei
Date: 10/01/2021, W/O: A17623
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y

Altimeter/Encoder Calibration Sheet Infinity Aviation Services LLC FAA Certified Repair Station # 16FR992Y Form # 10

Date: 9/20/2021

Initial Indications
At 29.92 in hg

Altimeter: -10 Feet
Calibrator: -80 Feet

A/C Tag # 141-7
Work Order # 017623

Model Number: 34C5-35
Serial Number: 11610

In hg scale	Feet Calibration	Feet Reading	Altitude Error	± Feet Tolerance
28.10	-17.27	11.63	13	± 25
28.50	-13.80	16.10	10	± 25
29.00	-8.63	21.27	7	± 25
29.50	-3.46	26.44	4	± 25
29.92	0	29.92	0	± 25
30.50	5.14	35.06	11	± 25
30.90	8.63	38.53	13	± 25
31.00	9.77	39.67	9	± 25

Scale Error (reference pressure is 29.92 in hg)

Test Altitude	Test Ind. Alt	Encoder Reading	Altitude Error	± Feet Tolerance
1000	1000	1000	-20	± 5
2000	2000	2000	-10	± 5
3000	3000	3000	-20	± 5
4000	4000	4000	-10	± 5
5000	5000	5000	-5	± 5
6000	6000	6000	-5	± 5
7000	7000	7000	-5	± 5
8000	8000	8000	-5	± 5
9000	9000	9000	-5	± 5
10000	10000	10000	-5	± 5
11000	11000	11000	-5	± 5
12000	12000	12000	-5	± 5
13000	13000	13000	-5	± 5
14000	14000	14000	-5	± 5
15000	15000	15000	-5	± 5
16000	16000	16000	-5	± 5
17000	17000	17000	-5	± 5
18000	18000	18000	-5	± 5
19000	19000	19000	-5	± 5
20000	20000	20000	-5	± 5

Test Altitude	Test Ind. Alt	Encoder Reading	Altitude Error	± Feet Tolerance
1000	1000	1000	-50	± 50
2000	2000	2000	-50	± 50
3000	3000	3000	-50	± 50
4000	4000	4000	-50	± 50
5000	5000	5000	-50	± 50
6000	6000	6000	-50	± 50
7000	7000	7000	-50	± 50
8000	8000	8000	-50	± 50
9000	9000	9000	-50	± 50
10000	10000	10000	-50	± 50
11000	11000	11000	-50	± 50
12000	12000	12000	-50	± 50
13000	13000	13000	-50	± 50
14000	14000	14000	-50	± 50
15000	15000	15000	-50	± 50
16000	16000	16000	-50	± 50
17000	17000	17000	-50	± 50
18000	18000	18000	-50	± 50
19000	19000	19000	-50	± 50
20000	20000	20000	-50	± 50

Test Altitude	Reference Reading	Test Reading	Test Change	± Feet Tolerance
3000	3000	3000	30	± 75
4000	4000	4000	5	± 75

Test Altitude	Test Ind. Alt	Test Reading	Test Change	± Feet Tolerance
3000	3000	3000	5	± 75
4000	4000	4000	5	± 75

Revisions and Alterations Certificate Number of other specific entries.)

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE

Date: 10/05/2021; Aircraft: N45193; Type: 17
Performed a 100-hour/Annual Inspection on 1
Mainten
*Opened and closed the aircraft to perform in
*Complied with Airworthiness Directive resea
*Completed aircraft lubrication per manufactu
*Completed the wheel bearing cleaning, inspe
*Completed airframe fuel strainer or fuel bowl
*Removed and replaced the fuel cap seals.
*Cleaned the landing gear for inspection.
*Complied with FAR 91.207 (d) Inspection and
Removed and replaced the ELT battery(ies), p
The battery expiration date is on 07/2022
*Inspected the aircraft battery, serviced electri
Touched up battery area as required. Reinstal
results.
*Removed and replaced the vacuum regulator
*Removed and replaced the nose wheel bearin
p/n 05430
*Complied with AD 11-10-09, Seat and rail ins
*Secured pilot's seat loose roll pins and salfied
*Removed left and right main gear legs, bevel
gear support. Replaced seals on landing gear
and brakes. Checked rigging on down latch ar

Repairs and Alterations

Certificate Number of
other specific entries.)

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.)



Date: 10/05/2021; Aircraft: N45193; Type: 177RG; S/N: 177RG1096; Hobbs: 226.10; Tach: 4975.20; Total Time: 4975.20
Performed a 100-hour/Annual Inspection on the airframe and propeller in accordance with the inspection checklist contained in the C182
Mainten

- *Opened and closed the aircraft to perform inspection.
- *Complied with Airworthiness Directive research to 2021/12 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.
Removed and replaced the ELT battery(ies), p/n MN1300
The battery expiration date is on 07/2022
- *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 and gyro suction filter p/n D9-14-5.
- *Removed and replaced the nose wheel bearings p/n 214-00300 and cones p/n 214-00400. Replaced both spacers which were worn
p/n 05430
- *Complied with AD 11-10-09, Seat and rail inspection IAW AD Actions (g) with no discrepancies noted next due 100hrs/annual.
- *Secured pilot's seat loose roll pins and saftied, retorqued loose hardware and seat side panels.
- *Removed left and right main gear legs, bevel gear support and right strut support. Cleaned area and parts of grease, shimmed bevel
gear support. Replaced seals on landing gear plug, gear leg bolt, brake swivel. Assembled components and bleed hydraulic system
and brakes. Checked rigging on down latch and gear switch lights. Operationally checked satisfactory.

Infinity Aviation Services LLC PAGE 1 OF 3

: 4975.20

rack. Installed Garmin
ed and mounted circuit
n the #1 position of the
installed audio panel,
ethod I/A/W
M dated 06/30/2017.
Coax to Gps port of
530W installation
d wiring for the aircraft.
00357-03 Rev G dated
ated 10/31/2014 in the

P/N, same S/N, installed

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.)



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063

- *Removed the stabilator and hinge root ribs. Cleaned primed and painted the ribs. Removed and replaced the bearings p/n MS20201KP6A and reinstalled the ribs. Installed the stabilator with new attach bolts and nuts p/n NAS 6606D17, AN4-6A.
- *Removed and replaced the flap drive coupling p/n C301001-0211. Operationally checked good.
- *Replaced broken static wicks on the right aileron, rudder and left aileron p/n 592001-0201.
- *Replaced the left and right aileron inspection covers p/n 1221091-4.
- *Removed deteriorated fuel placards and cleaned surfaces. Installed new placards p/n 1200740-8.
- *Checked the fuel transmitter hardware and found them loose. Retorqued all fasteners IAW Cessna 177RG MM. leak checked with satisfac
- *Removed and replaced six cowl mounts p/n J7444-14.
- *Removed and replaced the two clevis pins p/n MS20392-3C17 on the nose gear steering. Operationally checked good.
- *Removed and replaced the aft nose gear door hinge pins p/n 2043022-1. Operationally checked good.
- *Removed and replaced the beacon and landing light switches p/n S2160-1, S2160-4. Operationally checked good.
- *Removed the left and right main gear axles and installed new p/n 0541124. Torqued hardware to specification IAW Cessna 177RG MM.
- *Replace the left wing tip vent line tywraps at the end rib.
- *Replaced all bad hardware and stripped nut plates as required on exterior panels.
- *Replaced the interior floor nutplate hardware as required.
- *Remove the trim control rod. Cleaned corrosion from the trim rod and rod end, primed and painted. Reinstalled the trim control rod and operationally checked with satisfactory results.
- *Cleaned primed and painted the spot corrosion on the stabilator as required.
- *Repaired cracks in the rudder cap and verticle fin covers IAW Cessna SRM for plastic repair.
- *Torqued the left and right wheel cylinder fittings. Leaked checked satisfactory.
- *Replace the nose gear lock bumper and adjusted as required. Performed gear operation with no discrepancies noted.
- *Flushed the belly and wing drains, pulled the servo inlet hose and flushed system. Cleaned the main fuel screen and replaced the o'rings p/n MS29513-111, MS29513-138. Leak checked system with no leaks noted.

Infinity Aviation Services LLC PAGE 2 OF 3

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME
SERVI

- *Tighten the nose gear actuator rod end jam
- *Vacuumed and cleaned the belly area under
- *Removed the stabilator trim actuator, cleaned
- Operationally checked good.
- *Repaired the left and right forward plastic air
- *Removed the old door seal on copilot's side.
- *Installed new seal p/n S1817-1. Installed seal to door f
- *Operationally checked the belly drains and fo
- *Removed the right down lock and replaced th
- *Removed and replaced the right leg upper sa
- *Removed the landing gear actuator, disassemb
- Installed to aircraft and operationally checked g
- *Removed and replaced the forward and aft rig
- *Trouble shot the navigational lights and found
- check was good. Trouble shot the strobe lights
- check was good. Repaired the overhead light a
- by replacing the NPN transistor p/n 2N6576 whi
- *Installed a new speaker p/n A52FC-I with new l
- I certify that this aircraft has been inspected in a
- condition and is approved for return to service. F
- work order listed.

Signature: Glenn Ducharme
Date: 10/05/2021, W/O: I17690
Infinity Aviation Services LLC
FAA Certified Repair Station
#I6FR992Y

Alterations
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na 177RG

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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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*Tighten the nose gear actuator rod end jam nut. Checked the torque on various nose retract hardware.
*Vacuumed and cleaned the belly area under the floor with stodard solvent to remove fod, dirt and oil.
*Removed the stabilator trim actuator, cleaned, inspected and lubricated. Reinstalled trim actuator and tensioned cable to 15 +/- 5 lbs.
Operationally checked good.
*Repaired the left and right forward plastic air ducts IAW Cessna SRM for plastic repair.
*Removed the old door seal on copilot's side. Removed the old adheasive from the door frame. Applied 1300L to the door frame and
new seal p/n S1817-1. Installed seal to door frame.
*Operationally checked the belly drains and found no leaks with proper flow.
*Removed the right down lock and replaced the oring's. Reinstalled the down lock rigged and operationally checked good.
*Removed and replaced the right leg upper saddle shell p/n 201030-6. Rigged and operationally checked good.
*Removed the landing gear actuator, disassembled, cleaned, and inspected. Replaced all the seals and reassembled the actuator.
Installed to aircraft and operationally checked good with no leaks note.
*Removed and replaced the forward and aft right inboard gear pivot support fasteners with oversized p/n HL62PB8-13.
*Trouble shot the navigational lights and found a cross short to the panel lights. Repaired the navigational light wire. Operational
check was good. Trouble shot the strobe lights found an open in the wire at the aft terminal block. Repaired open circuit. Operational
check was good. Repaired the overhead light and compass light with new terminals. Repaired the panel lights which had a cross short
by replacing the NPN transistor p/n 2N6576 which was burned out. Operational check was good.
*Installed a new speaker p/n A52FC-I with new harness and connector. Operationally tested good.
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: 10/05/2021, W/O: 117690
Infinity Aviation Services LLC
FAA Certified Repair Station
#16FR992Y

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.)

YEAR
20
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE



INFINITY AVIATION

117 Perimeter Road / Nashua, NH 03063

Date: 11/02/2021; Aircraft: N45193; Type: 177RG; S/N: 177RG1096; Hobbs: 226.10; Tach: 4975.20; Total Time: 4975.20
 *Installed Cessna 177RG hush kit p/n HK-177RG and Fit, trimmed some new interior plastics from Vantage Plane Plastics. Installed serviceable trim panels left p/n 1715052-37, right p/n 1715052-38. Reinstalled carpet, rear seat, front seats and seat belts.
 *Performed weighing of the aircraft after interior reinstalled. A new weight and balance report was created and provided to the customer.

Signature: Glenn Ducharme
 Date: 11/02/2021, W/O: 17709
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

Date: 12/20/2022 Aircraft N45193. Type

Opened up all panels, covers and shields

Performed 100hr/annual inspection in acc

Engine compression check 1)78/80, 2)78

Jacked AC performed all landing gear oper

Repack landing gear bearings.

Inspected all fuel and oil lines and hoses O

Inspected and cleaned battery terminals.

Inspected seat and rails per AD

Complied with Airworthiness Directive rese

The aircraft engine or appliance identified a
 of the Federal Aviation Regulations and is a

I certify that this Aircraft has had an Annual

Signed

[Signature]

Quantity	Units
1.00	Each
1.00	
1.00	Each
1.00	
1.00	Each
1.00	Each
1.00	Each
1.00	
1.00	Each
1.00	Each
1.00	Each
1.00	Each
1.00	Each
2.00	Each
1.00	
1.00	Each
2.00	Each
1.00	
1.00	Each

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.)
Date: 12/20/2022 Aircraft N45193. Type Cessna 177RG SN 177RG1096 Hobbs 246.1 Tach 4996.2 Opened up all panels, covers and shields on AC. Performed 100hr/annual inspection in accordance with manufactures Service Manual Engine compression check 1)78/80, 2)78/80, 3)76/80 4)78/80 Jacked AC performed all landing gear operational checks ok. Repack landing gear bearings. Inspected all fuel and oil lines and hoses OK no leaks. Inspected and cleaned battery terminals. Inspected seat and rails per AD Complied with Airworthiness Directive research. The aircraft engine or appliance identified above was repaired and/or inspected in accordance with current Maintenance rules of the Federal Aviation Regulations and is approved for return for service for the work performed. I certify that this Aircraft has had an Annual Inspection and is airworthy at this time. Signed  CRS#XR5R157Y				

Part Number

0515010

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.)	YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
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11/01/2022

N 45193

1976 CESSNA 177RG

SN 177RG1096 Hobbs 00000.1

The following aircraft Fuselage, wings and control surfaces were striped and painted using aircraft approved paint materials and solvents.

All control surfaces were removed and reinstalled under my supervision

The above aircraft and/or component has been repaired and inspected in accordance with current Federal Air Regulations and was found to be Airworthy condition with respect to the work performed and is approved for return to service.

COLORS:

Las Vegas gold Metallic H10494

Acry Glo

Matterhorn White

CMO570566 Jet Glo

Aztec Black Metallic

H10490

Acry Glo

Burgundy Mist

H00020

Acry Glo

Signed

David W. Irish AP 3996438
David W. Irish A&P #3396438

Exclusive Aircraft

9400 Zia Blvd Suiet A Las Cruces NM (480) 238-2335

EXCLUSIVE AIRCRAFT IN

9400 Zia BLVD Hangar #

LAS CRUCES INTL..AIRP

DATE: 11/18/2022 . N

The above aircraft headlin

and other interior compor

and reinstalled under Excl

Meet or exceed flammabil

Not affected. DAVID W. I

Tests, Repairs and Alterations

Rating and Certificate Number of
back pages for other specific entries.)

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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EXCLUSIVE AIRCRAFT INTERIORS

9400 Zia BLVD Hangar #A

LAS CRUCES INTL..AIRPORT,NEW MEXICO 88007

DATE: 11/18/2022 . N45193 S/N 177RG1096

The above aircraft headliner, side panels, seats ,carpet

and other interior components have been remove, Inspected , reupholstered

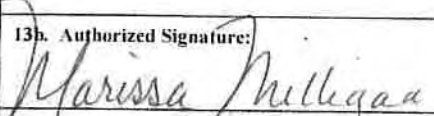
and reinstalled under Exclusive Aircraft Interiors..... All materials

Meet or exceed flammability requirements as per FAR 25.853. Aircraft weight and balance is

Not affected. DAVID W .IRISH A&P 3396438

David W. Irish

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: CSS-0079	
4. Organization Name and Address: Appareo Systems, LLC 1830 NDSU Research Circle N. Fargo, ND 58102 (PT4000CE/PQ4000CE)					5. Work Order/Contract/Invoice Number: Job: 025180	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1.	Transponder, Stratus ESG	153510-000017	23	085319 - 085341	NEW	
2.	Install Rack, Stratus ESG	153540-000027	23	N/A	NEW	
3.	ASSY, Backplate, Stratus ESG	153510-000015	23	N/A	NEW	
12. Remarks: Produced under PT4000CE for TSOs: TSO-C112e, TSO-C145d, and TSO-C166b SW: 501010-000113 R07 AEH: 501010-000109 R06						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☒ 14-CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: ARD-63		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Chris Serani		13e. Date (dd/mm/yyyy): 09 DEC 2022		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 7609	
4. Organization Name and Address: RA Miller Industries, 14500 168th Ave. Grand Haven, MI 49417 PT2530CE					5. Work Order/Contract/Invoice Number: 45315	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	GPS Antenna	AV-801(-A)	99	See box 12 for serial numbers	NEW	
12. Remarks: AIRWORTHINESS APPROVAL TSO-C190 Serial numbers: 220585-thru-220683 220674						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: 999999638		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): Marissa Milligan		13e. Date (dd/mm/yyyy): 27-Oct-2022		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

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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FAR 91.413

THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY
FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO
COMPLY WITH PART 43 APPENDIX F, AND APPENDIX E
PARAGRAPH C.

TRANSPONDER #1	MAKE: STRATUS	MODEL: ESG	S/N C8329
TRANSPONDER #2	MAKE: N/A	MODEL:	S/N
DATE 2-2-2023	W/O 020223	INSPECTOR: REDA	
ED'S FLYING SERVICE, INC. FAA APPROVED REPAIR STATION # GRXR543E			

045193

YEAR 20____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations	EAR 0____	RECORDING TACH TIME	TODAY'S FLIGHT	1 1 S
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)	DATE			

TORNADO ALLEY TURBO INC.
300 AIRPORT

300 AIRPORT RD

ADA, OK 74820

N45193 CESSNA 177RG SN: 177RG1096
INSTALLED "CARDINAL CRUISE"

AIRFRAME LOG BOOK ENTRY

6 MARCH 2024

HOBBS: 2330.9

TORNADO ALLEY TURNO, INC.



INSTALLED "CARDINAL CRUISER" TURBO NORMALIZER SYSTEM. INSTALLATION IS COVERED AND APPROVED UNDER GENERAL AVIATION MODIFICATIONS, INC. STC SE4082NM AND STC SA4081NM. THE INSTALLATION WAS COMPLETED USING TORNADO ALLEY TURBO INSTALLATION INSTRUCTIONS 77-6760001, REV H 14 SEP 2015, MASTER DRAWING LIST D-177RG-100 REV J, 19 NOV 2015 AND CESSNA SERVICE MANUALS. REFER TO AIRPLANE FLIGHT MANUAL SUPPLEMENT AFMS C-177RG SYS III AND 77-6460004 FOR OPERATION AND CONTINUED AIRWORTHINESS. INSTALLED JPI EDM 830 IAW INSTALLATION MANUAL FOR THE EFT-701 REPORT 103 STC SA2586NM. INSTALLED MAPLE LEAF EXHAUST FAIRING EP5001-001 SN W10231322. INSTALLED NEW EXHAUST MANIFOLDS, WASTEGATE MANIFOLD, CABIN HEATER, TAIL PIPE, AND INTERCOOLER. INSTALLED ALL NEW EXHAUST PORT BASE GASKETS, FLANGE NUTS, TURBOCHARGER GASKET, AND V-BAND CLAMP. INSTALLED NEW FLUID CARRYING HOSES. REPLACED FRESH AIR AND HEATER SCAT TUBING. REMOVED LYC FUEL NOZZLES AND INSTALLED TURBOGAMJECTORS KIT # GT15B-177RG S/N 31184. UPDATED W&B AND AFMS. RUN-UP, LEAK CHECK, OP'S, & TEST FLIGHT OK. APPROVED FOR RETURN TO SERVICE. AIRCRAFT WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION REGULATIONS, ADVISORY CIRCULARS, AND APPROPRIATE MANUFACTURER'S MANUALS.

KARL SOBOLIK A&P 003675139 IA



- (1) Performed an Maintenance/Service
- (2) Compression test inspected. No defect complied with JAW F
- (3) Reviewed **Biweel**
- (4) C/W AD 2011-10
C/W AD 2015-19
Next due Tach:51
- (5) I certify that this engine is in an airworthy condition

Name: Wesley M. Ols
A&P 3328069

Inspections, Tests, Repairs and Alterations

Name, Rating and Certificate Number of
(See back pages for other specific entries.)

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.)

TORNADO ALLEY TURBO, INC.



IS COVERED AND APPROVED UNDER
THE INSTALLATION WAS COMPLETED
14 SEP 2015, MASTER DRAWING LIST
AIRPLANE FLIGHT MANUAL
IMPROVED AIRWORTHINESS.
03 STC SA2586NM

TAIL PIPE, AND INTERCOOLER.
RINGER GASKET, AND V-BAND CLAMP.
CAT TUBING.
-177RG S/N 31184

VICE.
FEDERAL AVIATION REGULATIONS, ADVISORY



High Plains KuneKune LLC
D.B.A. Kunes Custom Aircraft Service
Clovis, New Mexico 88101

DATE: 05/16/2024

TACH: 5049.1

TAIL: N45193

TOTAL TIME:

MAKE/MODEL: Cessna 177RG

SER NO. 177RG1096

- (1) Performed an Annual inspection per 14 CFR § Chapter 43, Appendix D, and referencing: Cessna Maintenance/Service Manual, and AC 43.13-1B.
- (2) Compression test complete: #1) 80/80; #2) 78/80; #3) 78/80; #4) 80/80. Serviced engine oil/cut filter and inspected. No defects found. Post inspection engine run complete with no defects found. ELT inspection complied with IAW FAR 91.207(d), ELT battery next due 16 May 2025.
- (3) Reviewed **Biweekly 2024-09** Airworthy Directives (see attached AD Compliance Record).
- (4) C/W AD **2011-10-09** per para (g) steps 1-10. Next due Tach:5149.1 TIS or Next Annual C/W AD **2015-19-07** Inspection c/w no defects noted, ref Lycoming Service Bulletin (MSB) No. 342G. Next due Tach:5159.1 TIS or Next Annual
- (5) I certify that this airframe has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

Name: Wesley M. Olson
A&P 3328069 1A

Signature: 

YEAR 20 <u>24</u> DATE <u>9 Jun</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)	YEAR 20 <u>25</u> DATE <u>5 Jun</u>	RECORDING TACH TIME	TODAY'S FLIGHT
<u>9 Jun</u>				Removed Leaking Elec Fuel Pump PN: 4140-00-77 SN: 19260. Installed New Pump PN: 4140-00-1765 SN: MC00202 Ref Cessna Service Manual D2009-2-13. Leak check & Engine Runup completed. no defects noted. Wesley M. Olson 3328069 A&P IA	<u>5 Jun</u>		
<u>15 SEP</u>	<u>02330.9</u>			Performed oil change. 8 qts Phillips XC 20W-50 & new Filter PN: AA48103-2 Tech 02330.9, Wesley M. Olson 3328069 A&P IA			



- (1) Performed an Maintenance/Service
- (2) Compression tes and inspected. No d complied with IAW
- (3) Reviewed Biwer
- (4) C/W AD 2011-1
C/W AD 2015-1
Next due Tach: 5
- (5) I certify that this be in an airworthy co

Name: Wesley M. O
A&P 332806

ns, Tests, Repairs and Alterations

Name, Rating and Certificate Number of
(See back pages for other specific entries.)

YEAR
20 25
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.)

5 Jun



High Plains KuneKune LLC
D.B.A. Kunes Custom Aircraft Service
Clovis, New Mexico 88101

DATE: 06/05/2025

TACH: 5086.40

TAIL: N45193

TOTAL TIME:

MAKE/MODEL: Cessna 177RG

SER NO. 177RG1096

(1) Performed an Annual inspection per 14 CFR § Chapter 43, Appendix D, and referencing: Cessna Maintenance/Service Manual, and AC 43.13-1B.

(2) Compression test complete: #1) 80/80; #2) 80/80; #3) 76/80; #4) 76/80. Serviced engine oil/cut filter and inspected. No defects found. Post inspection engine run complete with no defects found. ELT inspection complied with IAW FAR 91.207(d), ELT battery next due 5 Jun 2026.

(3) Reviewed Biweekly 2025-11 Airworthy Directives (see attached AD Compliance Record).

(4) C/W AD 2011-10-09 per para (g) steps 1-10. Next due Tach: 5186.40 TIS or Next Annual

C/W AD 2015-19-07 Inspection c/w no defects noted, ref Lycoming Service Bulletin (MSB) No. 342G.
Next due Tach: 5186.40 TIS or Next Annual

(5) I certify that this airframe has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

Name: Wesley M. Olson
A&P 3328669 IA

Signature:

[Handwritten Signature]

2 Elec Fuel Pump
N: 19250. Installed
1-00-170J SN: MC00202
Manual 02009-2-13. Leak
up completed. no defects

Engine. 8 qts Phillips XC
N: AA48103-2 tach
M. Olson

YEAR
20 26
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.)

YEAR
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME
SERV

8 SEPT



High Plains KuneKune LLC
D.B.A. Kunes Custom Aircraft Service
Clovis, New Mexico 88101

DATE: 09/08/2026

TAIL: N45193

MAKE/MODEL: Cessna 177RG

SER NO. 177RG1096

TACH: 5086.40
TOTAL TIME:

- (1) Performed an Annual inspection per 14 CFR § Chapter 43, Appendix D, and referencing: Cessna Maintenance/Service Manual, and AC 43.13-1B.
 - (2) Compression test complete: #1)78/80; #2)77/80; #3)77/80; #4)78/80. Serviced engine oil/cut filter and inspected. No defects found. Post inspection engine run complete with no defects found. ELT inspection complied with IAW FAR 91.207(d).
 - (3) Reviewed **Biweekly 2026-17** Airworthy Directives (see attached AD Compliance Record).
 - (4) C/W AD **2011-10-09** per para (g) steps 1-10. Next due Tach:5186.40 TIS or Next Annual C/W AD **2015-19-07** Inspection c/w no defects noted, ref Lycoming Service Bulletin (MSB) No. 342G. Next due Tach:5186.40 TIS or Next Annual
 - (5) I certify that this airframe has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.
 - (6) **ELT inspection completed with Ref FAR 91.207(d). ELT Battery Due 8 SEP 2027.**
- Name: Wesley M. Olson
A&P 3328069 IA
- Signature: _____

Iterations
Number of
(ic entries)

YEAR
20 24
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.)



High Plains KuneKune LLC
D.B.A. Kunes Custom Aircraft Service
Clovis, New Mexico 88101

DATE: 05/16/2024

TACH: 5049.1

TAIL: N45193

TOTAL TIME:

MAKE/MODEL: Cessna 177RG

SER NO. 177RG1096

- (1) Performed an Annual inspection per 14 CFR § Chapter 43, Appendix D, and referencing Cessna Maintenance/Service Manual, and AC 43.13-1B.
- (2) Compression test complete: #1) 80/80; #2) 78/80; #3) 78/80; #4) 80/80. Serviced engine oil/cut filter and inspected. No defects found. Post inspection engine run complete with no defects found. ELT inspection complied with IAW FAR 91.207(d). ELT battery next due 16 May 2025.
- (3) Reviewed Biweekly 2024-09 Airworthy Directives (see attached AD Compliance Record).
- (4) C/W AD 2011-10-09 per para (g) steps 1-10. Next due Tach: 5149.1 TIS or Next Annual
C/W AD 2015-19-07 inspection c/w no defects noted, ref Lycoming Service Bulletin (MSB) No. 342G. Next due Tach: 5159.1 TIS or Next Annual
- (5) I certify that this airframe has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.

Name: Wesley M. Olson
A&P 3328069 IA

Signature:

5/16/2024 5049.1

AD 2023-02-07 Complied with by Previous action. See sign off dated 6/25/2021 for installation of serviceable spar. WD A&P 3328069