

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING)
			B & C Quality A/C Maintenance 253-278-4832 N34039, 3-10-2024, TACH: 2521.3, T/T: 2521.3 Annual inspection completed this date airframe. All controls checked for security and full travels to stops. Airframe hinges, bellcranks and rod ends and gear zerks lubricated per Cessna service manual. Serviced brake reservoirs. Shimmy dampener serviced. Battery charged and mounting verified. All control cable runs verified for tension, routing and fraying. Rotated all pulleys. Verified control surface travels. Performed ELT functional test per 91.207 requirements, static and inertia, operation normal. Battery due change 1/2026. Removed brake swivel fittings left and right sides. Replaced orings MS28775-010 qty 2 and MS28778-3 (boss oring) qty 2. Installed and leak checked. Replaced right side brake caliper oring MS28775-224. Bleed brake and serviced reservoirs. Performed mains and nose wheel inspection for cracks. No anomalies noted. Verified nose strut servicing. C/W AD 11-10-09 Amdt 39-16690 Eff. date 6/17/2011. Performed seat and rails visual and dim. Insp. per Para (g) (1) thru (10). No anomalies noted. Recurring due 3/25 or tach 2621.3 whichever occurs first. C/W AD 23-02-17 Amdt 39-22324 Eff. date 3-20-23. Fatigue cracking of carry-thru spar. Completed Eddy Current inspection of wing spar per AD 2023-02-17, IAW SEL-57-09 R1. in "Kick Area's" only. Corrosion/pitting noted in 1 small area on right side and 2 smaller area's left side of lower kick area lower caps. Area's were stripped, cleaned, blended and refinished per SEL-57-09 R1. Removed material did not exceed the allowable blend limits of table 1. No cracks or other anomalies noted. Inspection accomplished by MISTRAS Services-591 report 56196/191888/T80763-41281135. NFA required. AD's checked thru issue 2024-03. Cleaned and inspected fuel gascolator and injector screen. Reinstalled and saftied, no leaks noted. Performed gear retraction tests and emergency extension tests. All test conditions acceptable and no leaks noted. Verified gear horn and lights for operation. Serviced gear power pack reservoir. All interior/exterior lights, pitot/stall warning heat and stall warning operation verified. Performed Concorde battery capacity test per Doc. 5-0171 Rev. Q Para 7 pg 106. Capacity = 84%. Battery charged. Installed new McFarlane AD0514030-4HD bellcrank assy's qty 2 for seat back adjusting copilots seat. Installed new copilots hold open door spring. Added additional spring to cargo door latch for positive closing. Installed qty 3 cowl lord mounts J7444-14. Replaced nose gear lower attach hardware with MS20392-1C11 clevis pin washer and cotter pin. Lubricated fuel drain cables internally. This airframe has been annual inspected per Cessna inspection guide for single engine aircraft and FAR 43 App D requirements and is approved for return to service this date. <i>Michael H. Boatz</i> Michael H. Boatz IA 2650791 AP

PERFORMED
PERSON PERFORMING WORK

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Cessna service
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Mistras Services-591
7820 South 210th St., Suite 110
Kent, Washington 98032
Phone 206-764-8123 Fax 206-764-8124

REPORT NUMBER: 56196 / 191888 / T80763-41281135
DATE ISSUED: 3/7/2024
CUSTOMER P.O.: N34039

INSPECTION REPORT

CUSTOMER
B&C QUALITY AIRCRAFT MAINT. LLC Billing Address: 2926 92nd AVE E EDGEWOOD, WA 98371

LOCATION
B&C QUALITY AIRCRAFT MAINT. LLC Billing Address: 2926 92nd AVE E EDGEWOOD, WA 98371

The content of this document may be defense article/service as described and controlled by International Traffic in Arms Regulations (ITAR)(22 CFR 120-130). Distribute only to entities meeting ITAR requirements. Discard by shredding.

MISTRAS SERVICES - 7820 S. 210 TH ST. SUITE 110 - KENT, WA. 98032
FAA REPAIR STATION NO. G2UR307Y
"ALL PARTS ON THIS REPORT ARE ACCEPTABLE (WHEN APPLICABLE AND IF NOTED BELOW) AND HAVE BEEN INSPECTED IN ACCORDANCE WITH INSTRUCTIONS CONTAINED IN APPLICABLE SPECIFICATIONS, CUSTOMER SUPPLIED AIR DIRECTIVES, SERVICE BULLETINS, & MAINTENANCE FILES OF THE FEDERAL AVIATION ADMINISTRATION REGULATIONS UNDER WHICH THE OPERATOR IS CERTIFIED."

PROCEDURE: Cessna Model 177 SEL-57-09 R1, Aug. 3, 2020 and Cessna Model 177 Series SM 2A-13-01 R8, Dec 1/2011
SPECIFICATION: Cessna Model 177 AD 2023-02-17 & SEL-57-09 R1, Aug. 3, 2020
ACCEPTANCE: Cessna Model 177 SEL-57-09 R1, Aug. 3, 2020
ACFT REGISTRATION: N34039
ACFT SERIAL: 177RG0954
ACFT MODEL: Cessna 177RG

CLASS: N/A
QUANTITY: 1

DESCRIPTION OF TEST: Complete ET Inspection of Wing Spar per AD 2023-02-17, IAW SEL-57-09 R1.
COMMENTS: Completed Eddy Current Inspection per SEL-57-09 R1, Accomplishment Instructions, Para E. "Kick Areas" Only. Spar was completely painted/primed. For Paint/Lift-Off compensation, a 0.002" thick shim was used.

INSPECTION RESULTS:

Qty. Inspected	Qty. Accepted	Qty. Rejected	Result Notes
1	1	0	1 small area on the RH side, and 2 smaller areas on the LH side, of the 'Lower Cap - Lower Surface' needed stripping and blending. After blending, no further indications were noted.

Equip: Nortec 600
Equip S/N: 60005161322
Equip Cal Due: 07/31/2024

Probe: MP907-50B, 50-500 KHZ
Probe S/N: 201
Ref. STD S/N: 11011802
Probe: PEN95-5B, 50-500 KHZ
Probe S/N: 028399

Michelle Taylor
Michelle Taylor

PREPARED BY:

NDT Level 3 - ET, FAA #3624873
LEVEL:

3/7/2024

DATE OF INSPECTION:

Michelle Taylor
Michelle Taylor

APPROVED BY:

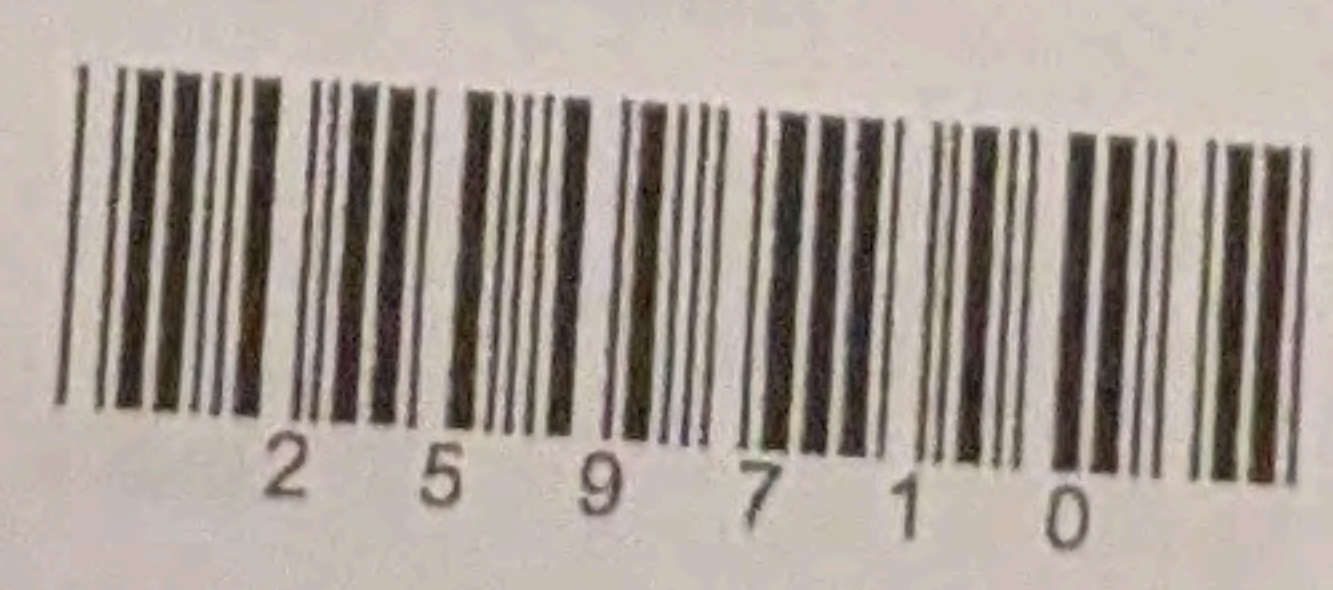
NDT Level 3 - ET, FAA #3624873
LEVEL:

3/7/2024

DATE OF INSPECTION:

CERTIFICATE OF CONFORMANCE: We certify that the above material was inspected in accordance with the stated specifications.

NOTE: This report is unbiased. It is expressly understood that all descriptions, comments and expressions of opinion reflect the opinion or observation of the engineer(s)/technician(s) and are not intended nor can they be construed as a representation or warranty as to the actual circumstances. Mistras Services is not assuming any responsibility of the owner/operator and the owner/operator retains complete responsibility for the engineering, repair and use decisions as a result of the data or other information provided by Mistras Services. In no event shall Mistras Services liability in respect to the services referred to herein exceed the amount paid for such services. No other warranty, expressed or implied is made or intended by Mistras Services.



FORM 0021-4



Maintenance Records

Registration Number: N34039

Title: Airframe

Book No: _____

Aircraft Manufacture Number: Cessna

Model Number: 177RG

Serial Number: 177RG0954

Engine Manufactured by: Lycoming

Model: IO-360-A1B6D

Serial Number: L-15780-51A

Propeller Manufactured by: Hartzell

Model: HC-C34R-1R/F7282

Serial Number: DY7246B

Blade Serial Numbers: _____

AD Compliance

WT & Balance

Form 337

STC

Warranty

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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Seattle

2018-11-18

Cessna 177 RG

N34039

SN 177RG0954

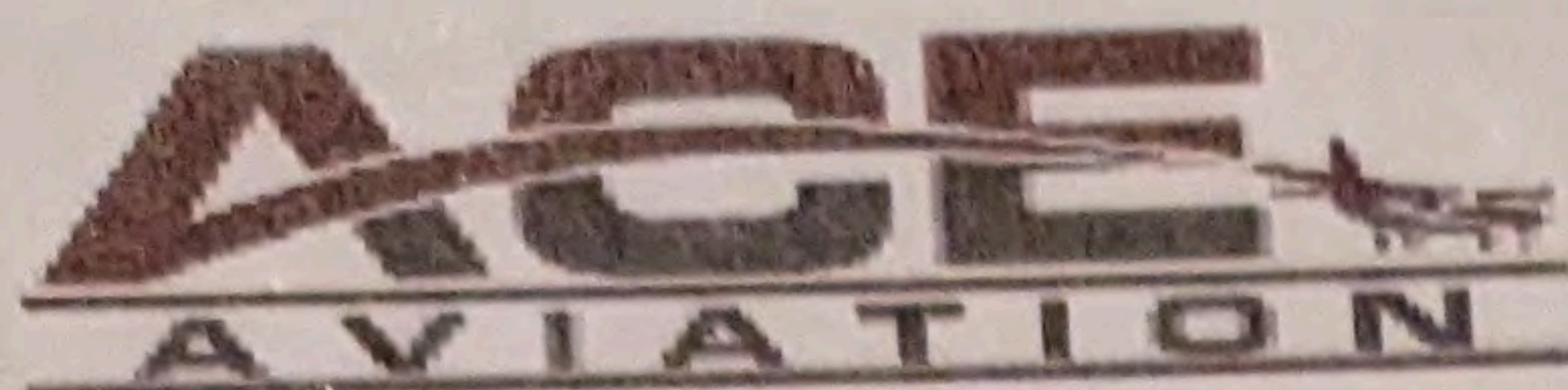
TACH: 19427

Customer needed some minor squaks addressed on his Cessna Cardinal RG 2. Nose Gear Strut was low, serviced strut per Cessna Cardinal 1971-1975 MM Section 2-25 Steps (A)(B)(C)(D)(E)(F)(G)(H), referenced figures 1-1 & 5-26 for proper psi and extension, performed function test, all functions normal, no defects noted. Small crack found on leading edge of RH Wing tip cover, Stop drilled small crack on leading edge of RH wing tip cover per FAR 43 Apx A section 12. Sealant was failing and falling apart on inspection panel on LH wing and re-sealed with new sealant under fuel tank with Pro Seal per FAR 43 Apx A Section 12, no defects noted. I certify the work performed is in accordance with Cessna Cardinal 1971-1975 MM & FAR 43 Apx A and is in Airworthy condition at this time

Garett Ballif A&P: 4021159

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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Log Book Entry



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1,971.0
Hour Meter: 1,971.0

Total A/C Cycles:

Manufacturer: Cessna
Part/Model number: 177RG
Work Order No: 2196

A/C Serial Number: 954
Date: 5/3/2019

Squawk

- 1.1 Completed incoming inspection and operational tests prior to avionic's upgrade on N34039 Serial No. 954.
- 1.2 Disassembled the aircraft: Removed all seats and cabin accessories as required for upgrading instrument panel and equipment.
- 1.3 Installed Garmin GTN750 GPS/SBAS Serial No. 1ZA024618 Navigation systems with GMA35c per S.T.C. SA02019SE-D.
- 1.4 Installed FAA Approved Airplane Flight Manual Supplement dated 08/23/2018.
- 1.5 Installed new Garmin G5 Attitude display Serial No. 4JQ024348 and G5 HSI display Serial No. 4JQ024496.
- 1.6 Installed new Garmin GMA35C Audio system Part No. 011-02299-40 Serial No. 1T6201918.
- 1.7 Installed new Garmin GTX345R Transponder Serial No. 3EH022679 per S.T.C. SA01714WI.
- 1.8 Installed FAA Approved Airplane Flight Manual Supplement dated 12/21/2017.
- 1.9 Installed new GA35 GPS antenna Part No. 013-00235-00 Serial No. 160567v.
- 1.10 Installed new Artex 345 ELT system Kit Serial No. 236-13957. ELT Part No. A3-06-2880 Serial No. 267-13957. Antenna Part No. A3-06-2892-1 Serial No. 379802-00. Buzzer Part No. 452-6505 Serial No. 379747-061. Remote Part No. A3-06-2757 Serial No. 379473-09. HEX Code 2DC88 5ED0A FFBFF
- 1.11 ELT tested per 14 CFR 91.207 (D) battery replacement due next: January 2026.
- 1.12 Installed new FM-TEMP-12B OAT temp. system Serial No. 212527.
- 1.13 Installed MD93 Clock Serial No. K18-11137 and Dual USB Charger Port Serial No. 5485 installed in accordance with the manufacturer installation data and applicable sections of AC43.13-1B and AC43.13-2B.
- 1.14 Installed new FP-5L Fuel Flow display Serial No. 212526 and FT-60 Fuel Flow transmitter Serial No. 211114.
- 1.15 Wired and installed new Avionics master switch and avionics breaker panel. Unit installed in avionic's rack.
- 1.16 Installed NV2C-12V Compass Serial No. 749867-08 in accordance with the manufacturer installation data.
- 1.17 Installed Aircraft Components, Inc. 2040-1-2P Voice Alert system Serial No. 641. AFMS dated 12/19/08 provided. See FAA 337 form this date.
- 1.18 Completed all configuration and avionic's testing per installation and operations manuals. Installed Flight Stream 510 Serial No. 402007153. All final checks tested normal.
- 1.19 Completed all required engineering and certification documents. See ACE Aviation, Inc. drawings C177RG\SN0954\7, 9 sheets 1 and 2, and 11. An electrical load analysis has been conducted. The electrical load of the newly installed equipment is less than that of the removed equipment. The structural mounting of the equipment has been reviewed and found to meet the requirements of AC 43.13-2B Chapter 1. Hardware has been selected in accordance with AC 43.13-1B Chapter 7. The electrical wiring system has been installed in accordance with the equipment manufacturers installation data and AC 43.13-1B Chapter 11. This aircraft was re-weighed. See revised weight and balance sheet and updated aircraft equipment list.
- 1.20 Reassemble aircraft following avionic and instrument panel upgrades. All final inspections completed per function checklist.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2196.

Aleksandr Tabachnyy (ALEX)

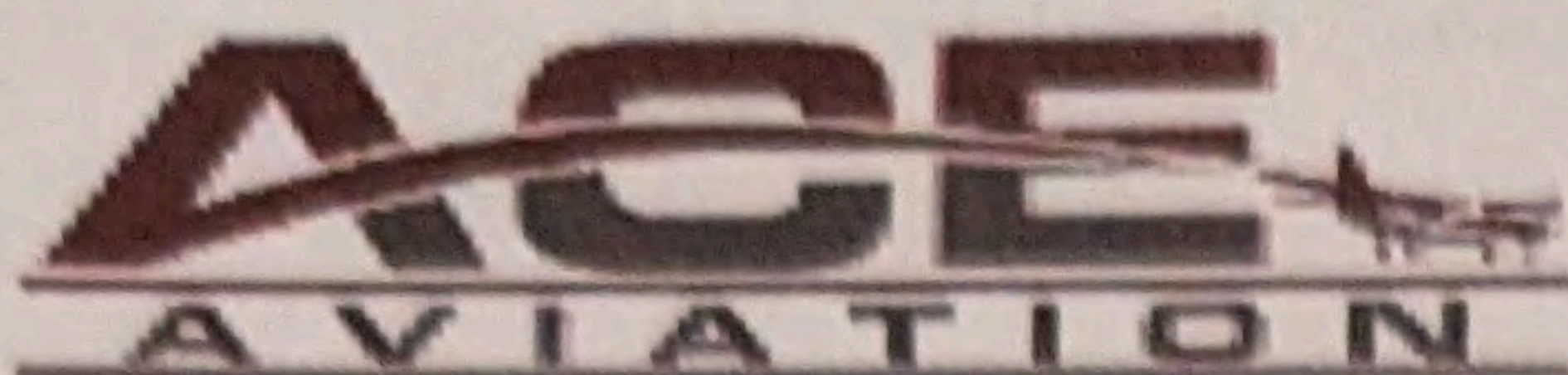
Aleksandr Tabachnyy

AP3809743

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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Log Book Entry



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1,971.0

Total A/C Cycles:

Hour Meter: 1,971.0

Manufacturer: Cessna

Part/Model number: 177RG

A/C Serial Number: 954

Work Order No: 2196

Date: 5/3/2019

Squawk

- 2.1 Installed 2 CIES Fuel Qty Sensors Serial No. C1722 & C1721 and Aerospace Logic FL202D Fuel Qty Display Serial No. ASL009473. See FAA 337 form this date.
- 2.2 Completed engineering and certification drawings ACE Aviation, Inc. drawings C177RG\SN0954\14 for installation of Fuel display system.
- 2.3 Completed Fuel Qty calibration checks per CIES and Aerospace Logic, Inc. installation instructions.
- 2.4 Installed new Transcal SSD120-35C Blind Encoder Serial No. SRC10747.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2196.

Aleksandr Tabachnyy (ALEX)

Aleksandr Tabachnyy

AP3809743

*** End of Document ***

Date: 5-1-2019 N#: N34039

I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Altimeter Serial No. G205 & 5DL005060

Transponder Serial No. 3EH022679

Encoder Serial No. SRC-10747

☒ The altimeter was tested to 20,000 feet on this date.

FAA Repair Station #4A1R024C

☒ The transponder was tested on this date.

☒ Encoder data correspondence was tested to 20,000 feet on this date.

☒ Static system leak tested on this date.

289 E Perimeter Rd. Renton, WA 98057

(425)204-0845

Signature

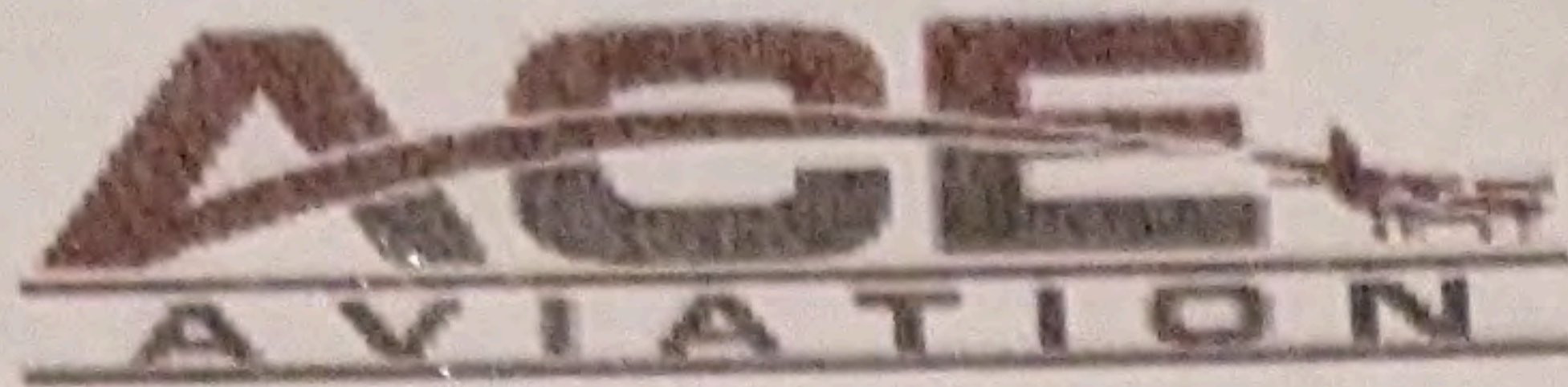
Aleksandr Tabachnyy



MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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Log Book Entry



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1,971.0
Hour Meter: 1,971.0

Total A/C Cycles:

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 2337

A/C Serial Number: 954
Date: 5/3/2019

Squawk

- 1.1 Installed new LP Aero Plastics, Inc. Windshield P/N: 329.250 with milled edge - STC Conversion. FAA-PMA Approved in accordance with FAR 21.303 & FAR 45.15. See FAA 337 form dated 05/03/2019.
- 1.2 Removed deteriorating glareshield material and installed new Black Faux Leather Glareshield from Douglass Interior Products, Inc. FAA/PMA approved. Certified to FAR 25.853
- 1.6 Removed Cessna 300 autopilot servos and related equipment with new avionic upgrade. See revised Weight and balance report.
- 1.7 Removed aircraft vacuum system including vacuum pump, hoses, relief valve and instrument as part of the G5 avionic upgrades. See revised weight and balance report.
- 1.8 Rotated both main tires on wheels to extend tire life. Serviced tire pressures per POH.
- 1.9 Replaced inoperative landing light with new Whelen Parmetheus Plus LED light model P36P1L part no. 01-0771833-10 FAA/PMA approved.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2337.

Paul Miller (PAUL)

AP537585165



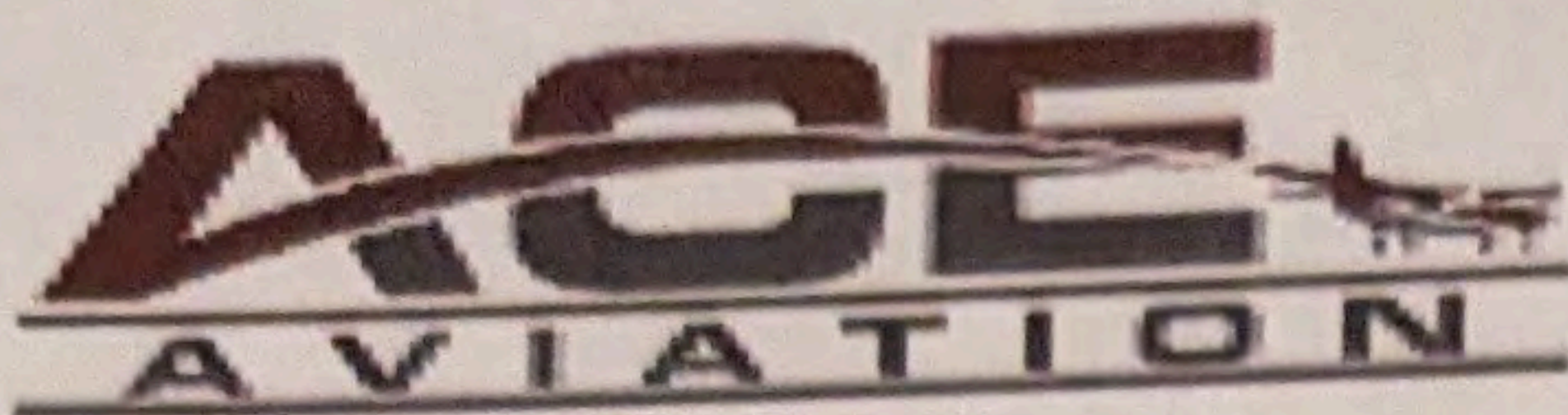
2019-05-13 Cessna N34039 SN 177RG0954 Tach: 1978.9 AFTT: 1978.9
Lycoming: IO-360-A1B6 SN: L-15780-51A Tach: 1978.9 ETT: 69.5 TSO: 45.3

Front tire was low, tube was found to have a leak in it, removed old tube and tire in AC with Cessna 177 Cardinal MM CH: 5 Section 5-64 steps (a)(b)(c)(d)(e) and 5-65 for disassembly steps (a)(b)(c)(d). installed new 500-5 Air hawk tire and Goodyear 500-5 tube per Cessna 177 Cardinal MM CH: 5 Section 5-66 steps (a)(b)(c) and 5-67 steps (a)(b)(c)(d)(e)(f)(g) torqued thru bolts for wheel halves to 90 in lbs, filled tire with 32 psi no defects noted or to report. I certify the work performed is in accordance with FAA standards and the respect to the work performed in AC with Cessna Cardinal 1971-1975 MM and is in Airworthy condition at this time.

Garett Ballif A&P 4021159

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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Log Book Entry



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1,986.0

Total A/C Cycles:

Hour Meter: 1,986.0

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 2441

A/C Serial Number: 954

Date: 6/5/2019

Squawk

- 1.1 Installed FAA PMA Approved Plane Plastics overhead panel P/N: K1706044-9. Fit and trimmed as necessary. Installed new flight limitations placard.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2441.

Aleksandr Tabachnyy (ALEX)

Aleksandr Tabachnyy AP3809743

*** End of Document ***



Seattle

2019-08-08 Cessna N34039 SN 177RG0954 Tach: 2007.2

AFTT: 2007.2

Lycoming: IO-360-A1B6

SN: L-15780-51A Tach: 2007.2

ETT: 97.8 TSO: 73.6

Performed 25 hour inspection in accordance with Lycoming MM Sec. 4. Drained engine oil, and oil suction screen per SB 480E, no defects noted, and serviced engine with 9 qts Phillips X/C 20w-50 oil. Cleaned, gapped and rotated bottom spark plugs. Aircraft ground run and leaked checked. No discrepancies noted. I certify that this engine has been inspected in accordance with SB480E and is in airworthy condition at this time.

Garett Ballif A&P 4021159

[Signature]



Seattle

2019-08-29 Cessna N34039 SN 177RG0954

Tach: 1978.9

AFTT: 2021.2

Lycoming: IO-360-A1B6

SN: L-15780-51A Tach: 2021.2

ETT: 112.0 TSO: 87.8

Customers LH and RH tires were showing wear and nearly bald, removed both wheels both RH and LH, disassembled both McCauly wheels and replaced RH tire with new 600-6 Concord/ Michelin Tire P/N: 072-449-0, S/N: 7143W00381 and LH Tire with new Concord/ Michelin 600-6 tire P/N: 072-449-0, S/N: 7146W00101 see WO# 19004 for details and airworthiness certificates for tires. Repacked wheel bearings with Aeroshell 22 Grease, no defects noted. Brakes felt spongy, topped off brake booster reservoirs with 5606 Hydraulic fluid and performed function test, both brakes on both sides felt good, no defects noted. I certify the work performed is in accordance with FAA regulations and the respect to the work performed with Cessna Cardinal MM Rev. -1971-1975 and is in Airworthy condition at this time

Garett Ballif A&P: 4021159

[Signature]

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
6 Sep 2019			VOR Check, BFI VOT, ϕ bearing error both. Ben J.A.

N34039

September 13, 2019

Tach 2032.0

Airframe Logbook Endorsement

1. Complied with Cessna A.D. 11-10-09 by performing an inspection on the seat rails and latching mechanisms as required by this A.D. No discrepancies were noted. Next due September 2020.

Gregory T. Woodruff A&P 3669996

9 Oct 2019			VOR Check, BFI VOT, ϕ bearing error on both. Ben J.A.
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WO. No. 19-10342

Date: 10/16/19 Tach. Time: 2056.8

Cessna, 177RG, SN: 177RG0954, N34039

Starter replaced with new SkyTec PN: 149NL, SN: H-T032360. W&B calculated. (End)



Airframe

AVIAN AERONAUTICS Inc.

8900 State Hwy 3 SW. Bremerton, WA. 98312

A&P4021518

Keith A Mooney

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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Log Book Entry



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1.0
Hour Meter: 1.5

Total A/C Cycles:

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 2794

A/C Serial Number: 954
Date: 1/31/2020

Squawk

- 1.1 Relocated OAT from pilot side to copilot side upper wing root. All work done per AC4313-1b,2b.
- 1.2 Tested the JPI RPM gauge for accuracy using an optical digital tachometer at 200 rpm intervals. JPI Instrument tested accurate at all test points.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2794.

Casey Matthews (CASEY)

AP3709969

*** End of Document ***

5 Feb 2020			I modified the ^{JPI} tach and hobbs meters to continue time from the recently removed mechanical tach and Hobbs meters.
Ben JA W			
			Final mechanical tach: 2068.2
			Final mechanical Hobbs: 779.2
			Current JPI tach: 2.6
			Current JPI Hobbs: 3.7
			Continued JPI tach: 2071.2 2071.2
			Continued JPI Hobbs: 782.2

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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02/25/2020

Cessna 177RG

S/N: 177RG0954 N34039

Tach: 2072.0

Lycoming O-320-H2AD

Removed altimeter for overhaul. Overhaul & calibration performed by Aerotech Instruments Date: 02/18/2020 W/O: 20106.
Reinstalled altimeter. Altimeter test next due: 02/2022. All work performed IAW the Cessna MM and AC 43.13 (b). I certify that
the work specified above was carried out in accordance to FAA airworthiness regulations, and with respect to the work
performed this aircraft is approved for return to service. Nathaniel De Velde  AP3763404IA

WO. No. 20-10549

Date: 02/27/20 **Tach. Time:** 2073.5

Cessna, 177RG, SN: 177RG0954, N34039

- 1) Installed data wire from CO Guardian to JPI.
- 2) Replaced parking brake cable.
- 3) Installed taxi/landing light wire harness connector at firewall.
- 4) Replaced pitot heat switch, and ground wire connector at pitot tube. (End)



Airframe

A&P4021518

Keith A Mooney

8900 State Hwy 3 SW. Bremerton, WA. 98312

14 Mar 2020

Rev J.A. C

I replaced the under-wing⁷ and dome courtesy lights with LED bulbs made to the same design and fitment. Likewise I replaced the overhead console flood light with a dimmable red LED.

N34039 6/29/2020, Tach: 2139.9
 Removed 12v VR600 Electrodelta Regulator and installed Hartzell Plane Power 12v regulator p/n R1224 Rev C, s/n H-U041245. Installation accomplished per R1224 Installation Instructions Rev C document R12-1001 "Basic" installation. Installed at original regulator location. Replaced all slip on terminals with ring terminals. Voltage measured 13.1 volts fully loaded. Over voltage light inop. Placarded "Inop". Installed tach drive cap p/n TC875 and saftied. Removed cleaned and installed oil filter adapter plate. Torqued to 60 ftlbs. Installed removed oil filter and torqued to 17 ftlbs and saftied. No leaks noted at engine run up. Operation normal. See form 8130-3 for regulator new status.

Michael H. Boatz
 Michael H. Boatz
 IA2650791AP

N34039 7/8/2020, Tach: 2146.4
 Troubleshoot hydraulic leak on aft belly. Isolated to hydraulic pump pressure outlet fitting. Installed new MS28778-4 oring and adjusted fitting for proper engagement into pump threads and secured jam nut. Pressurized system and verified no leaks.

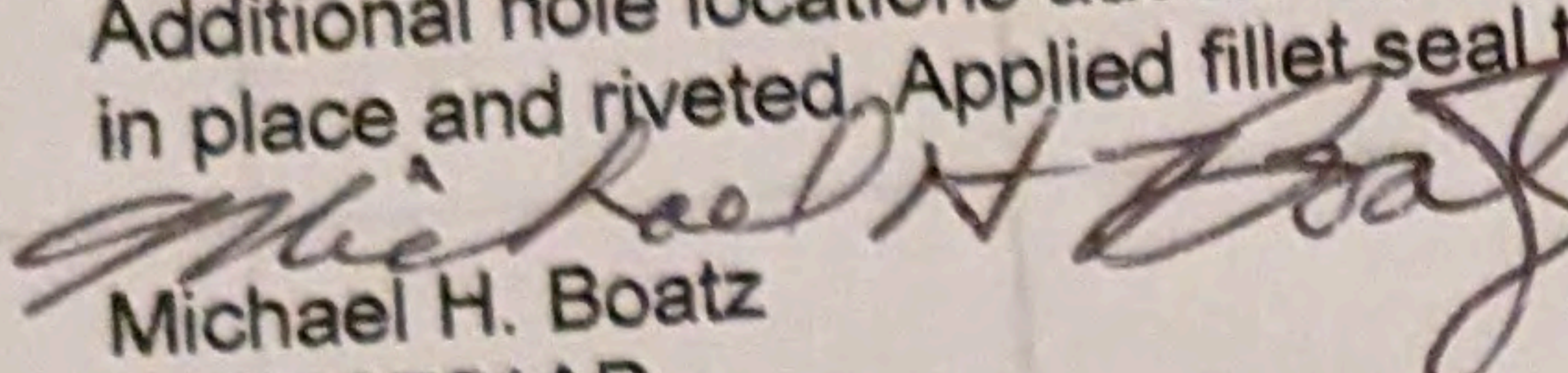
Michael H. Boatz
 Michael H. Boatz
 IA2650791AP

N34039 7/13/2020, Tach: 2151.9
 Changed oil and filter. Oil sample taken by owner. Serviced with 8 Qts Phillips 20W50XC and 14.8 ozs of camguard. Installed new AA48103-2 filter. Torqued and saftied. Oil cooler drained and cap saftied. Opened old filter, no metallic contamination noted. Run up and leak check performed. CW AD CW AD 15-19-07 Amdt. 39-18269 Eff. Date 11-03-15 Inspection of fuel injection lines per paragraph (e) (ii) & (f) and MSB 342G Diagram No. 4, no anomalies noted. Recurring due 2261.9 or at overhaul or fuel line maintenance.

Michael H. Boatz
 Michael H. Boatz
 IA2650791AP

TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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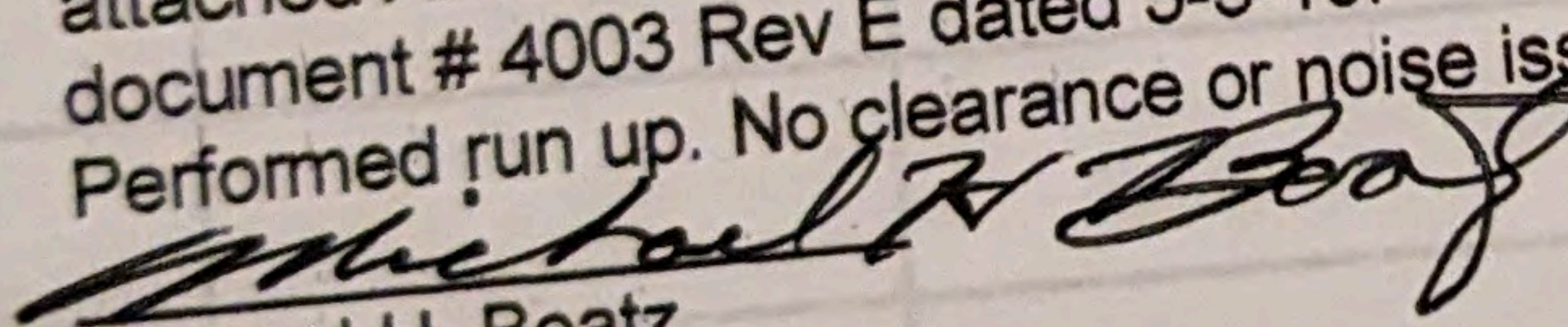
N34039 8/11/2020, Tach: 2171.9
 Removed nose gear door. Stop drilled cracks in skin adjacent to door retraction brkt. Removed brkt. Installed 2 doublers. Exterior and interior. Picked up existing brkt holes in door skin. Additional hole locations added to pick up and secure doublers. Fay sealed all doublers and brkt in place and riveted. Applied fillet seal to exterior doubler edges. Finish applied. Door installed.


 Michael H. Boatz
 IA2650791AP

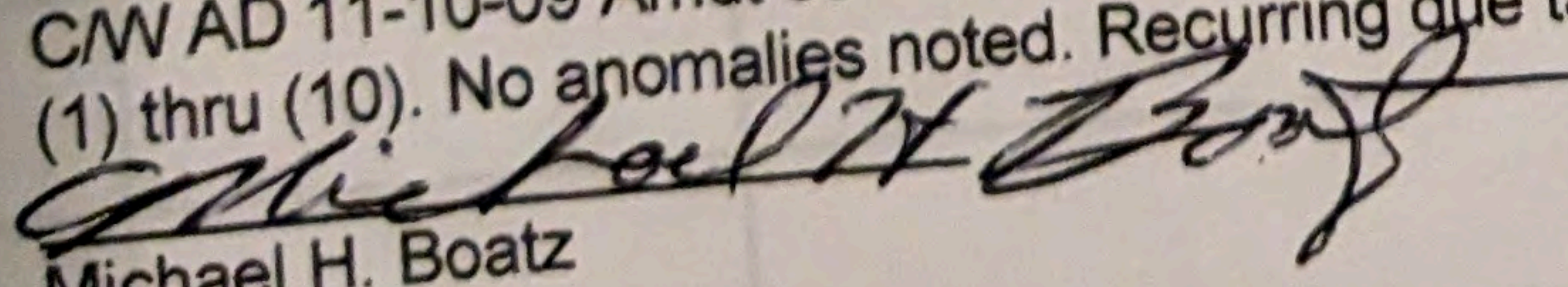
N34039 8/31/2020, Tach: 2178.6
 Removed OEM exhaust system and all associated brackets, clamps and hoses. Installed owner supplied PowerFlow Systems Inc. Tuned Exhaust System kit PFS-13706 s/n 258. Installation accomplished per Report No. PFS-13752-00 Rev F dated 4-19-2019 pages 1 thru 23. Installed required placard in clear view of pilot. Antiseize applied to all slip joints at installation and torques applied to all applicable new hardware. Installation approved per STC SA03623AT. Form 337 written. Wt/Bal and equipment list revised. ICA's contained in section 6.0 of PFS-13752-00 Rev A dated 5-2-08.

Installed EP5001-001 s/n W0319908 exhaust fairing per supplied installation instructions and dwg EP5003 dated 2-14-2001. Attach hardware supplied. Maintained all required clearances. Finished in white. Negligible change to weight/bal. Installation approved per STC SA01386NY and attached AM dated 5-12-05 item # 7. Form 337 written. ICA's contained on form ICAW-2015 as part of installation package.

Installed Challenger CP-1177 batch 004465 filter assy. Installation accomplished per supplied instructions Doc. # 0402 Rev O dated 5-5-2010. Installation approved per STC SA01669CH and attached AML dated 7-3-02 item # 21. No change to wt/bal. Form 337 written. ICA's contained in document # 4003 Rev E dated 5-5-10.
 Performed run up. No clearance or noise issues noted. Leak check performed.


 Michael H. Boatz
 IA2650791AP

N34039 10/12/2020, Tach: 2209.9
 C/W AD 11-10-09 Amdt 39-11690 Eff. date 6/17/2011. Seat and rails inspected per AD para. (g) (1) thru (10). No anomalies noted. Recurring due tach: 2309.9 or 10/2021.


 Michael H. Boatz
 IA2650791AP

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE

12/07/2020

Cessna 177RG

N34039

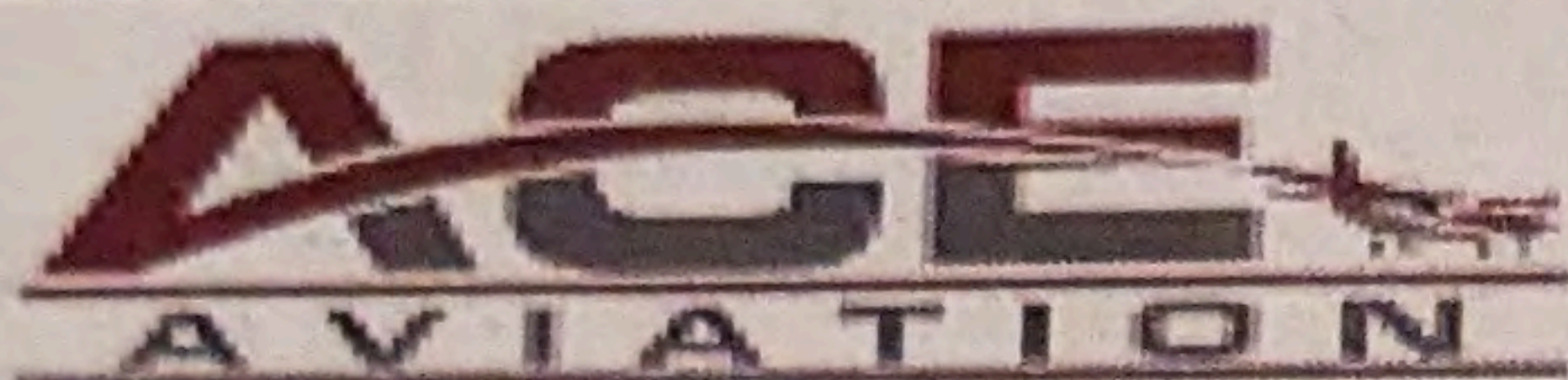
I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Altimeter S/N: G205
G5 ATT S/N: 4JQ024348
G5 HSI S/N: 4JQ024496
Encoder: SRC-10747
Transponder S/N: 3EH022679



FORMING WORK

- ☒ The altimeter was tested to 20,000 feet on this date. *FAA Repair Station #4A1R024C*
- ☒ The transponder was tested on this date. *289 E Perimeter Rd. Renton, WA 98057*
- ☒ Encoder data correspondence was tested to 20,000 feet on this date. *(425)204-0845*
- ☒ Static system leak tested on this date. *Signature [Signature]*



289 E Perimeter Rd.
Renton, Washington 98057
United States

425-204-0845
Telephone:

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 2,218.9
Hour Meter: 2,218.9

Total A/C Cycles:

Manufacturer: Cessna

A/C Serial Number: 954

Part/Model number: 177RG

Date: 12/11/2020

Work Order No: 3386

Squawk

- 1.1 Removed the existing center radio rack panel and installed the GMC 509 radio rack.
- 1.2 Installed new Garmin GFC500 Autopilot System.
Modified the tail with GFC500 pitch and pitch trim servo kits P/N: K11-00024-52, K11-00024-53 and the right wing with GFC500 roll servo kit P/N: K11-00024-52. Relocated the existing GMU11 Magnetometer to the right-wing tip. GMC507 Controller P/N: 011-04548-01, S/N: 5H1005561, GS28 Roll Servo P/N: 011-02927-11, S/N: 5G9011783, GS28 Pitch Servo P/N: 011-02927-11, S/N: 5G9011864, GS28 Pitch Trim Servo P/N: 011-02927-11, S/N: 5G9011880 Installed per STC SA01866WI. Installed in accordance with GFC 500 Autopilot with Electronic Stability and Protection Part 23 AML STC Installation Manual 190-02291-00 Rev. 16, dated 09/30/2020. Installed FAA Approved Airplane Flight Manual Supplement 190-02291-41 Rev. 2, dated 09/10/2020. Provided GFC 500 Autopilot with Electronic Stability and Protection Part 23 AML STC Installation Manual Containing Instructions for Continued Airworthiness 190-02291-01 Rev. 8, dated 10/31/2020 to the aircraft operator. Reference ACE Aviation drawing C177RG\SN0945\17 Sheets 1-3, GFC500 STC Installation Manual 190-02291-00 Rev. 16, GFC500 (Cessna 177) Installation Addendum 190-02291-40 Rev 3, and GFC500 Gain Addendum (Cessna 177) 005-01470-40 Rev. 2. Refer to FAA Form 337 for this date.
- 1.3 Completed Engineering Documents reference "ACE Aviation, Inc drawing C177RG/SN177RG095/4".
- 1.4 Aircraft equipment list updated and computed new weight and balance. Completed all required aircraft documents see FAA Form 337 for this date. Installed required aircraft flight manual supplements. Reassemble Aircraft and performed system and operational checks. Checked OK.
- 1.5 Removed and replaced existing wingtip/tail position Lights, anti-collision lights and 2 power packs.
Installed new Whelen LED Light system:
Whelen LED Tail Position Light P/N: 01-0771554-11, S/N:420036.
Whelen LED Right Wing Position/Anti-collision Light P/N: 01-0790725-01 S/N: 490656.
Whelen LED Left Wing Position/Anti-collision Light P/N: 01-0790725-02, S/N: 720085
Whelen LED Tail Beacon Light P/N: 01-0772010-50, S/N: 420146. Minor alteration.
- 1.6 Relocated JPI OAT probe to left wing next to pitot probe. Wires were routed to new probe location.
- 1.7 Installed new pilot and copilot coil cords and new switches.
New switch installations include:
Push-to-Command/Teligen voice command switch on the right-hand control yoke grip and Push-to-talk switch on the left hand grip. Electric trim and autopilot disconnect switch with bracket on the pilot control yoke.
- 1.8 Disabled stock gear/stall warning and stowed connector.
- 1.9 Installed a new electroluminescent fuse panel lighting wire harness with a new inverter P/N: 10-700-14, inline fuse and new dimming potentiometer P/N: 026TB32R102B1A1. Refer to Ace Aviation wire diagram #C177RG/SN0954/19. Operations check was completed. All work done per AC4313-1B,2B.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 3386 and 3400.

Page

Casey Matthews (CASEY)

[Signature]

AP3709969

289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 2,218.9
Hour Meter: 2,218.9

Total A/C Cycles:

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 3400

A/C Serial Number: 954

Date: 12/14/2020

Squawk

- 5.1 Removed and replaced existing wingtip/tail position Lights, anti collision lights and 2 power packs. Installed new Whelen LED Light system:
Whelen LED Tail Position Light P/N: 01-0771554-11, S/N: 420036.
Whelen LED Right Wing Position/Anti-collision Light P/N: 01-0790725-01 S/N: 490656.
Whelen LED Left Wing Position/Anti-collision Light P/N: 01-0790725-02, S/N: 720085
Whelen LED Tail Beacon Light P/N: 01-0772010-50, S/N: 420146.
- 5.2 Removed and replaced existing beacon and tail nav light with Whelen LEDs. Routed new wire and created disconnects at the tail. Use Squawk 4.3 for detailed logbook entry.
- 5.3 Relocated JPI OAT probe to left wing next to pitot probe. Wires were routed to new probe location.
- 5.4 Installed new pilot and copilot coil cords and new switches.

New switch installations include:

Push-to-Command/Teligen voice command switch on the right hand control yoke grip and Push-to-talk switch on the left hand grip.

Electric trim and autopilot disconnect switch with bracket on the pilot control yoke.

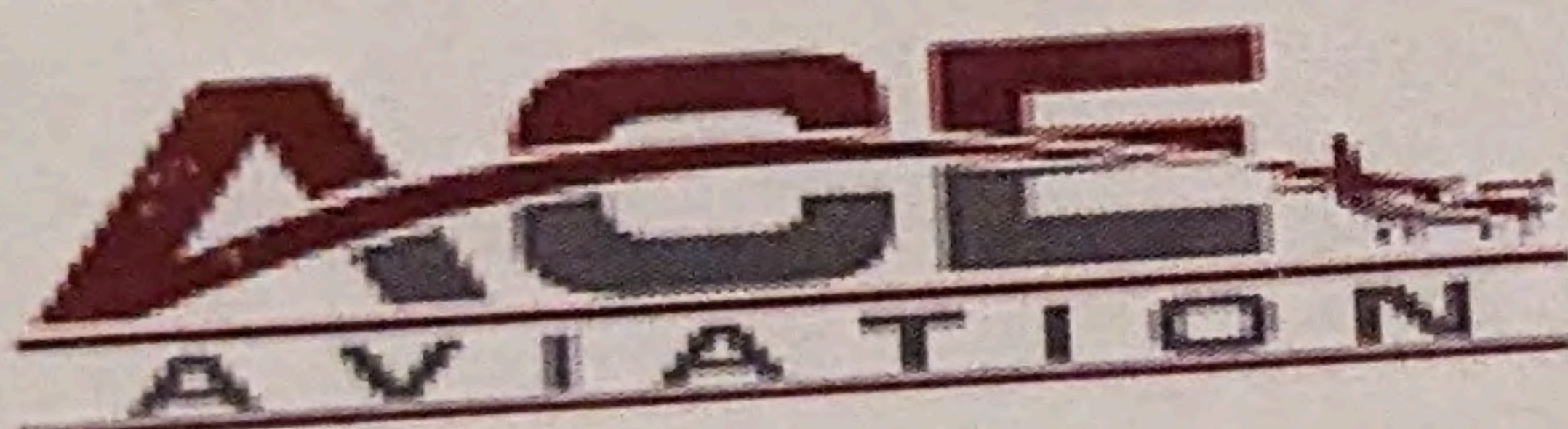
- 5.5 Disabled stock gear/stall warning and stowed connector.

- 5.6 Installed a new electroluminescent fuse panel lighting wire harness with a new inverter P/N: 10-700-14, inline fuse and new dimming potentiometer P/N: 026TB32R102B1A1. Refer to Ace Aviation wire diagram #C177RG/SN0954/19. Operations check was completed. All work done per AC4313-1B,2B.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 3400.

Casey Matthews (CASEY)

AP3709969



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 2,218.9
Hour Meter: 2,218.9

Total A/C Cycles:

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 3400

A/C Serial Number: 954

Date: 12/14/2020

Squawk

- 4.7 Installed new throttle cable, part number MCVAC299505-0401. Rigged cable per Cessna maintenance manual.
- 4.9 Troubleshoot electroluminescent fuse panel lighting. Discovered one broken wire on the copilot side circuit breaker electroluminescent panel. Repaired wire with a new solder connection.
- 4.11 Replaced yoke bushings, on both control yokes.
- 4.12 Co-pilot control yoke roller bearings were checked and are in good condition. Bearings were not changed at this time.
- 4.16 Installed new mixture control cable part number C299507-0102. Mixture cable installed and rigged per Cessna maintenance manual.
- 4.17 Installed customer provided Cessna three point seatbelts for rear seats.
- 4.18 Installed new Cessna flap position indicator control cable, part number 9864050-200. Verified flap cables properly rigged. Adjusted flap position control cable per Cessna maintenance manual. Flaps ops checked normal.
- 4.19 Completed inspection of carry through spar per SEL57-09. No corrosion or defects found. Cleaned, primed and corrosion treated carry through spar per SEL57-09.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 3400.

Paul Miller (PAUL)

AP537585165IA



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 2,218.9
Hour Meter: 2,218.9

Total A/C Cycles:

Manufacturer: Cessna
Part/Model number: 177RG
Work Order No: 3400

A/C Serial Number: 954
Date: 12/14/2020

Squawk

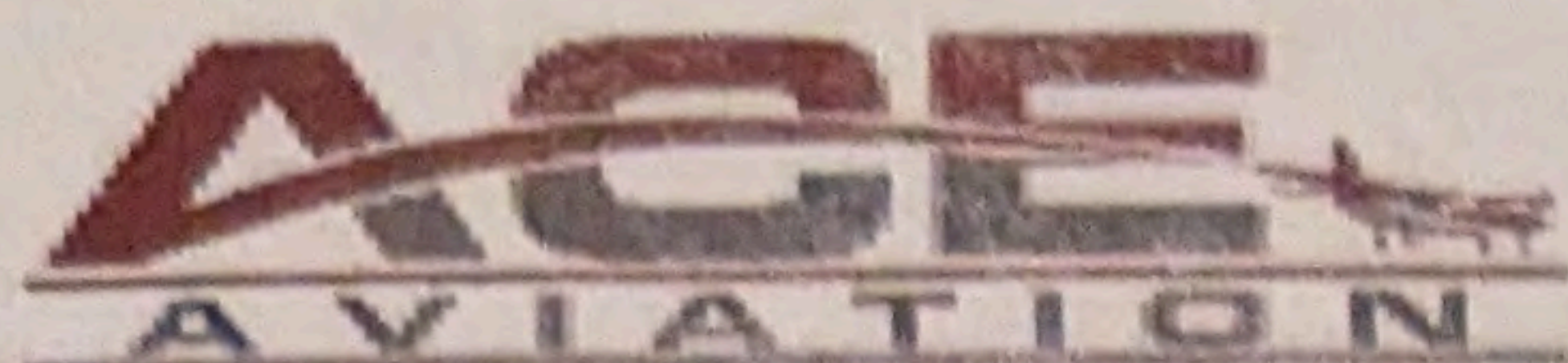
- 1.1 I certify that this aircraft has been inspected in accordance with the requirements of an Annual Inspection and has been found to be in an airworthy condition at this time.
- 1.2 Airworthiness Directives researched through current revision 2020-25. See separate compliance report.
- 1.3 Performed routine airframe maintenance, servicing, and lubrication in accordance with Cessna service manual.
- 1.4 Addressed minor squawks as required. Replaced corroded fuel strainer with new P/N: MC0756011-1.
- 1.5 ELT tested per (14) CFR 91.207 (d) batteries due next 1/2026
- 1.6 Replaced brake pads on both main gear.
- 1.7 Rotated main tires and replaced both main tire tubes.
- 1.8 Replaced Beacon rocker switch
- 1.9 Replaced all non pullable type circuit breakers with Klaxon series 2TC2 circuit breakers. Removed Electroluminescent panels for circuit breaker access. MFG new copper bus strip and replaced bus feeders with the correct wire gauge. All work done per AC4313-1b,2b.
- 1.10 Installed new right cowl flap cable part number MCS1391-27. Completed ops check of cowl flap after cowl was installed. Adjusted cowl flap cable rod end as required for proper operation.
- 1.11 Replaced landing and taxi light cowl connector
- 1.12 Uploaded JPI Engine data using the Eztrend software program.
- 1.13 I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendicies E and F. See seperate log entry.
- 1.14 Replaced all rocker switches, except pitot heat.
- 1.15 Treat airframe with Corrosion X.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 3400.

Paul Miller (PAUL)

AP537585165IA

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1,986.0

Hour Meter: 1,986.0

Manufacturer: Cessna

A/C Serial Number: 954

Part/Model number: 177RG

Work Order No: 3506

Date: 1/29/2021

Squawk

- 1.1 Removed the EL Lighting from the panel lighting dimmer and installed it in parallel to the navigation light switch.
 - 1.2 Installed a new Dimming Rheostat P/N: S1904-3 and rewired the flood light.
 - 1.3 T/S Copilot EL panel light not working. Repaired the disconnect and now functions properly.
 - 1.4 Turned up the Alert #3 volume input on the Remote Audio System which controls the stall warning annunciation.
 - 1.5 Rewired the GMC507 backlight to factory photocell control.
- All work done per AC4313-1B,2B.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 3506.

Casey Matthews

AP3709969

N34039 3/16/2021, Tach: 2243.9
Owner replaced fwd OEM air vents with AveoAir p/n AVE-BVQSLV-00X vents. Installed as a minor alteration per FAR 21.93 (a). Verified installation and found acceptable.

Michael H. Boatz
IA2650791AP

N34039 6/30/2021, Tach: 2304.6
Installed owner supplied rear baggage compartment plastic divider/shelf. Secured to cargo divider BatteryMINDER BM-AIK2A charging plug assy. Installed 2 wire battery charger connection harness with 15 amp inline circuit protection fuse. Attached to battery + terminal and airframe ground. Terminated to opposite end of harness, Anderson SB50 plug. All work in accordance with AC 43.13/1B. Verified continuity, polarity and tested with charger. Installed as a minor alteration per FAR 21.93 (a). C/W AD 11-10-09 Amdt 39-16690 Eff date 6-17-11. Inspected and dimensionally checked seats and rails per AD para (g) (1) Thru (10). No anomalies noted. Recurring due 6-30-21 or tach 2404.6 whichever comes first. Replaced qty 1 cowl lord mount p/n J7444-14. Adjusted rudder trim to the right at owner request. Owner replaced following as noted: aft qty 2 OEM air vents with AveoAir p/n AVE-BVQSLV-00X vents. Replaced under wing courtesy lights qty 2 with LED Brightstar p/n 1142-3014-66W. Replaced dome and pedestal courtesy with LED lights p/n LY-10155. Replaced panel flood light with dimmable red LED light Aero-Lite p/n AL-94-R. All installed as a minor alteration per FAR 21.93 (a). Verified installation and found acceptable.

Michael H. Boatz
IA2650791AP

AF Log

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)

Cascade Helicopter Services

1725 E Street NE
Auburn, Washington 98002
United States

Telephone 206-767-5290
Fax: 206-767-1726

09/21/2021



WO NO: AV-864 | REG NO: N34039 | ACFT MODEL: 172RG | ACFT SN: 172RG0954

5 AVIONICS | AIRFRAME SQUAWKS

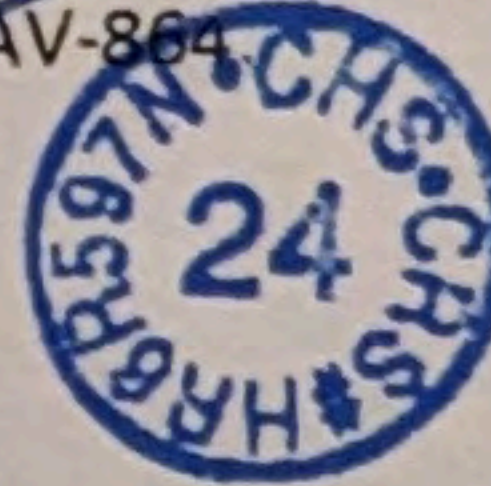
5.1 RAMP TESTED BOTH NAVS ON SEVERAL OCCASSIONS, COULD NOT DUPLICATE DISCREPANCY. CUSTOMER WILL FLY AIRCRAFT AND CHECK IF ILS HAS THE SAME ISSUE AS VOR. FOUND PTT SWITCH HAD PHYSICALLY MOVED SO IT WAS HARDER TO PRESS. REPOSITINED SWITCH AND SECURED. SYSTEM TESTS GOOD IN ACCORDANCE WITH AC43.13-1B PARAGRAPH 12-10.

I certify that the above stated maintenance and inspections were performed in accordance with current Federal Aviation Regulations, manufacturer maintenance manuals, and other acceptable data, as applicable, and that this aircraft is in an airworthy condition and is approved for return to service.

Pertinent details of these repairs are on file at the repair station under Work Order Number AV-864.

For Cascade Helicopter Services (HR6R597N):

[Signature]



B & C Quality A/C Maintenance
253-278-4832

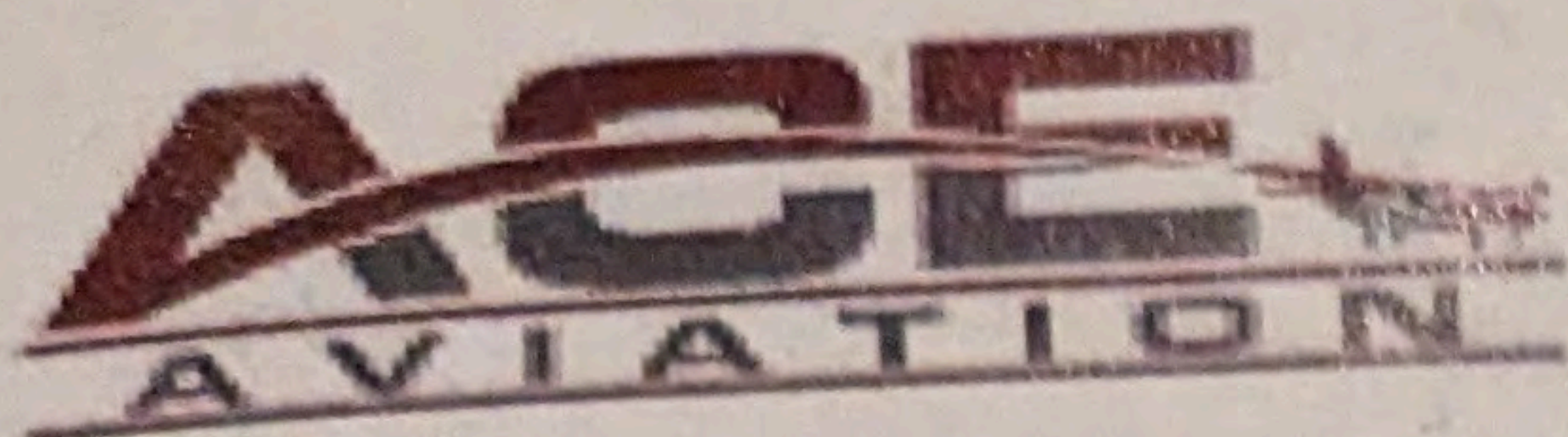
N34039, 1-28-2022, TACH: 2337.9, T/T: 2337.9

Annual inspection completed this date airframe. All controls checked for security and full travels to stops. Airframe hinges, bellcranks and rod ends lubricated per Cessna service manual. Serviced brake reservoirs. Shimmy dampener serviced. Battery charged and mounting verified. All control cable runs verified for tension, routing and fraying. Rotated all pulleys. Verified control surface travels. Performed ELT functional test per 91.207 requirements, static and inertia, operation normal. Battery due change 1/2026. Brake linings within serviceable limits. Brake discs at L-194 & R-203. Limit .190. Serviced tires to service manual requirements. Serviced nose strut with fluid and nitrogen. Nose and main wheel bearings due repack tach: 2718.9. Replaced right brake caliper oring with new MS28775-224. Bleed brake and serviced reservoir. Performed mains and nose wheel inspection for cracks. No anomalies noted. C/W AD 11-10-09 Amdt 39-16690 Eff. date 6/17/2011. Performed seat and rails visual and dim. Insp. per Para (g) (1) thru (10). No anomalies noted. Recurring due 1/23 or tach 2437.9 whichever occurs first. AD's checked thru issue 2022-02. Cleaned and inspected fuel gascolator and injector screen. Reinstalled and saftied, no leaks noted. Performed gear retraction tests and emergency extension tests. All test conditions acceptable and no leaks noted. Verified gear horn and lights for operation. All interior/exterior lights, pitot/stall warning heat and stall warning operation verified. Removed Bendix Ignition Switch. Installed Electroair EA-15000 Ignition/Starter switch panel. Installation accomplished per IM EA-15000 Rev 01 dated 2-4-2020. Instl. approved per STC SA04280CH and AML Pg 5 dated 2-6-2018. ICA's contained in instl. manual. Form 337 written and submitted. Installed alternator fail light per plane power regulator schematic. Located on lower left side of panel. Installed starter run on light with labeled 1.5 amp fuse. Located on pilots lower left panel. Removed JPI EDM power lead from instrument light breaker. Installed new 5 amp breaker and wired to JPI EDM per JPI install manual. Wired courtesy and dome light to unused clock power wire from battery through 1 amp fuse. Labeled fuse as "Crtsy". Sealed pilot side wing root fairing outbd seam. Installed new SAE charge port on cargo partition. This

airframe has been annual inspected per Cessna inspection guide for single engine aircraft and FAR 43 App D requirements and is approved for return to service this date.

[Signature]
Michael H. Boatz
IA 2650791 AP

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 1,986.0
Hour Meter:

Total A/C Cycles:

Manufacturer: Cessna
Part/Model number: 177RG
Work Order No: 3933

A/C Serial Number: 954

Date: 6/7/2022

Squawk

1.3

Removed Garmin GTN750 P/N: 011-02282-00, S/N: 1ZA024618.
Installed New Garmin GTN750Xi P/N: 011-04634-00, S/N: 5FR004945 in accordance with STC SA02019SE-D dated 07/23/21
and Garmin GTNXi Part 23 AML Installation Manual. Post Installation checkout was performed.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 3933.

Casey Matthews (CASEY)

AP3709969

08/01/2022

Cessna 177RG

N34039

I certify that the altimeter and static system tests required by 14 CFR part 91, § 91.411 and transponder tests, including data correspondence, required by § 91.413, have been performed and found to comply with 14 CFR part 43, appendices E and F.

Top GI275 S/N: 5MZ108229
Bottom GI275 S/N: 5MZ108174
Encoder: SRC-10747
GTX345R S/N: 3EH022679



- ☒ The altimeter was tested to 18,000 feet on this date.
- ☒ The transponder was tested on this date.
- ☒ Encoder data correspondence was tested to 18,000 feet on this date.
- ☒ Static system leak tested on this date.

FAA Repair Station #4A1R024C
289 E Perimeter Rd. Renton, WA 98057
(425)204-0845

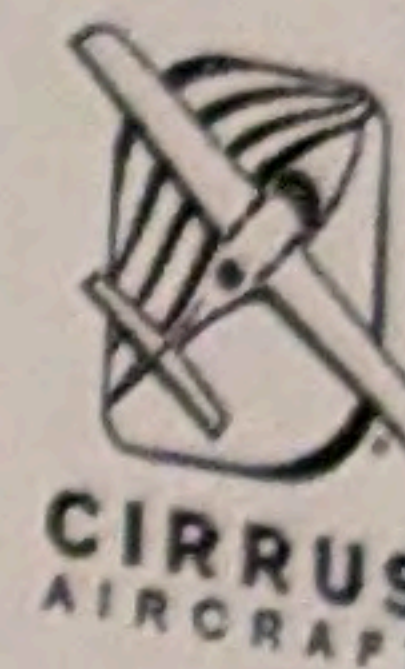
Signature

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
------	-----------------------	------------------------------	---



289 E Perimeter Rd.
Renton, Washington 98057
United States



Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 2,375.9
Hour Meter: 2,375.9

Total A/C Cycles:

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 4134

Date: 8/3/2022

A/C Serial Number: 954

Squawk

1.6 Removed the existing G5 AI and G5 HSI systems. Installed dual Garmin GI275 displays in accordance with STC SA02658SE and FAA Approved Model List (AML) dated 06/14/21 and Garmin GI275 Part 23 AML STC Installation Manual 190-02246-10 Rev 13. Reference ACE Aviation, Inc. drawings C177RG\SN0954\20 and 21. Performed system configuration and check out per sections 5 and 6 of the GI275 Installation manual 190-02246-10 Rev 13. Flight Manual Supplement, 190-02246-12 Rev 8 and Instructions for Continued Airworthiness 190-02246-11 Rev 5 have been provided to the aircraft operator. See updated W&B report for this date. See FAA 337 Form for details.

1.8 Installed GSB15 dual type A USB Charger P/N: 010-02201-10, S/N: 63M154307 per Garmin Installation manual.

1.9 Installed Smart Glide switch on the pilot side panel by interfacing the switch to the GTN750xi.

1.10 Removed and cleaned manifold pressure plumbing and fittings. Ground ran and observed only 0.1" hg fluctuation.

1.11 Replaced copilot PTT switch with customer supplied unit.

1.12 Removed all round Flight instruments and electroluminescent instrument light rings and stowed disconnect behind the pilot side panel.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 4134.

Casey Matthews (CASEY)

AP3709969



289 E Perimeter Rd.
Renton, Washington 98057
United States



Telephone: 425-204-0845

www.aceaviationinc.com

Registration #: N34039

Total A/C Time: 2,381.9
Hour Meter:

Total A/C Cycles:

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 4539

Date: 8/15/2022

A/C Serial Number: 954

Squawk

1.1 Updated Garmin GTN750xi software version to sv20.24. All work done per STC SA02019SE-D Service Bulletin NO.22072 Rev A.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 4539.

Casey Matthews (CASEY)

AP3709969

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
			N34039 9-7-2022, Tach: 2391.3 Verified owner installation of Rosen Sunvisor Systems 3rd Axis NSA modified blocks retrofit kit R1020000 drawing list rev F dated 2-14-2022. Installation accomplished per Doc. 9051-0102-004 Rev B dated 6-17-2009. This instl. is done as a retrofit to the original installation STC as a minor modification per FAR 21.93(a). ICA's on page 1 of Instl. Doc. Verified all screw tensions and operation of visors. <i>Michael H. Boatz</i> Michael H. Boatz IA2650791AP
			N34039 11/20/2022, Tach: 2411.5 Removed left wheel brake caliper. Cleaned and installed new MS28775-224 oring and preserviced with Mil-H-5606. Installed and saftied brake lining attaching hardware. Pressure bleed left brake system. Serviced left and right brake reservoirs. Operational check performed. Pedals firm at braking. <i>Michael H. Boatz</i> Michael H. Boatz IA2650791AP
			B & C Quality A/C Maintenance 253-278-4832 N34039, 3-16-2023, TACH: 2418.8, T/T: 2418.8 <u>Annual inspection completed this date</u> <u>airframe</u>. All controls checked for security and full travels to stops. Airframe hinges, bellcranks and rod ends lubricated per Cessna service manual. Serviced brake reservoirs. Shimmy dampener serviced. Battery charged and mounting verified. All control cable runs verified for tension, routing and fraying. Rotated all pulleys. Verified control surface travels. <u>Performed ELT functional test per 91.207 requirements, static and inertia, operation normal. Battery due change 1/2026.</u> Installed new brake linings p/n 66-109 qty 4. Brake discs at L-.193 & R-.199. Limit .190. Installed new main tires Good Year 15X6.0-6 qty 2 and tubes 15X6.0-6 qty 2. Nose and main wheel bearings repacked. Bleed brake and serviced reservoirs. Performed mains and nose wheel inspection for cracks. No anomalies noted. Verified nose strut servicing. C/W AD 11-10-09 Amdt 39-16690 Eff. date 6/17/2011. <u>Performed seat and rails visual and dim. Insp. per Para (g) (1) thru (10). No anomalies noted. Recurring due 3/24 or tach 2518.8 whichever occurs first. AD's checked thru issue 2023-04.</u> Cleaned and inspected fuel gascolator and injector screen. Reinstalled and saftied, no leaks noted. Installed new McFarlane FDV-KT-1 Fuel Resvr drain plunger kits, Qty 2. Performed leak checks. Performed gear retraction tests and emergency extension tests. All test conditions acceptable and no leaks noted. Verified gear horn and lights for operation. Serviced gear power pack reservoir. All interior/exterior lights, pitot/stall warning heat and stall warning operation verified. Performed Concorde battery capacity test per Doc. 5-0171 Rev. Q Para 7 pg 106. Time to EPV = 47 mins., % capacity = 78%. Battery charged. Set throttle warning horn at owner noted set point. Installed engine heater power inlet mount on fwd rh engine baffle. Relocated alternator regulator to a vertical position, attached to aft engine mount location via ADEL clamps. Removed copilots side circuit breaker EL panel for ovhl. Installed and connected. This airframe has been annual inspected per Cessna inspection guide for single engine aircraft and FAR 43 App D requirements and is approved for return to service this date. <i>Michael H. Boatz</i> Michael H. Boatz IA 2650791 AP

MAINTENANCE RECORDS

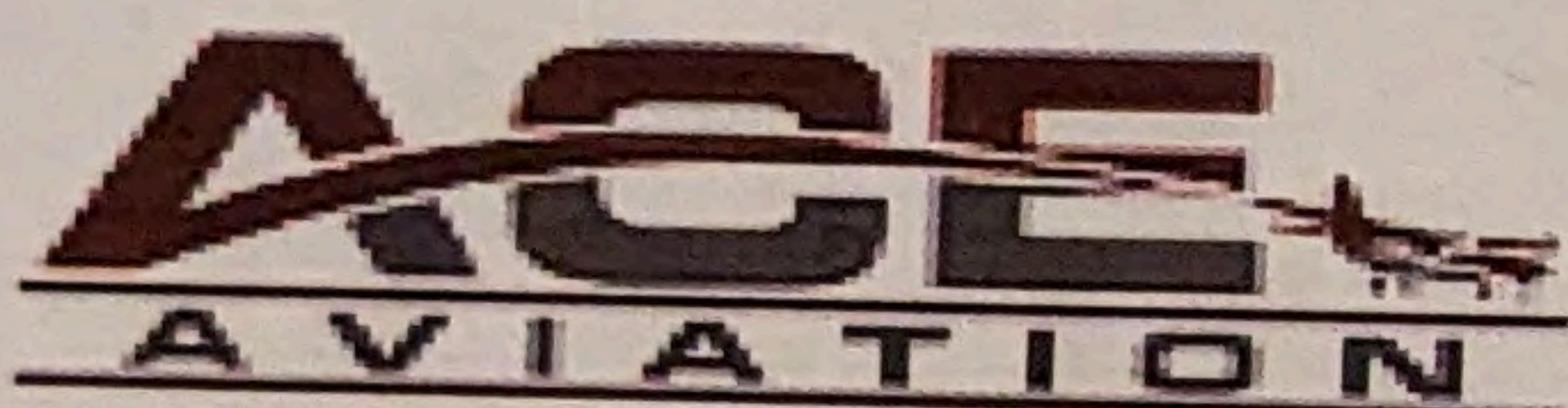
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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N34039 Tach: 2418.8 3/19/23

Removed all interior trim and carpet. Replaced carpet with new from SCS Interiors. Replaced the relevant original trim pieces with the following new from Vantage PlanePlastics: K1715027-6, K1715027-7, K1715027-7, K1715018-9, K2015015-3, K2016035-2, K2015000-5, K1715041-2, K2015003-1. Trimmed and painted plastics as needed; cleaned and reinstalled all.

Bruce Nourish

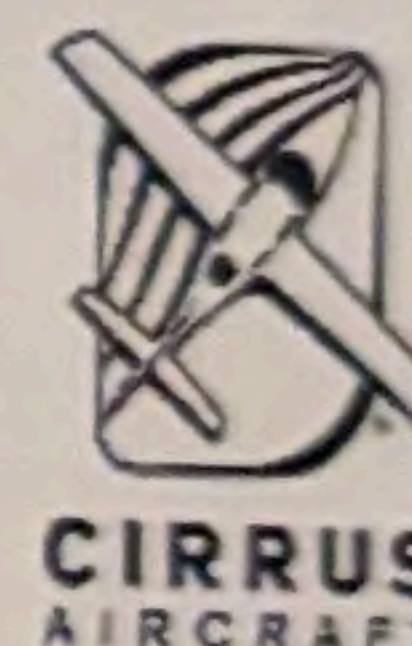
Bruce Nourish CPL 4125435



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www.aceaviationinc.com



Registration #: N34039

Total A/C Time:

Total A/C Cycles:

Hour Meter: 2,421.4

Manufacturer: Cessna

Part/Model number: 177RG

Work Order No: 4924

Date: 4/6/2023

A/C Serial Number: 954

Squawk

- 1.1 Complied with Garmin STC SB 23005 Rev A. Updated GTN Xi Main Software Update to Version 20.30.
- 1.2 Complied with Garmin STC SB 22123 Rev A. Updated GI275 and GFC500 to version 2.60. Automatic Pitch Trim Enabled.
- 1.3 Increased audio annunciation volume on GI275 as requested by pilot.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the Ace Aviation, Inc. under Work Order Number 4924.

Aleksandr Tabachnyy (ALEX)

Aleksandr Tabachnyy

AP3809743

N34039 5/10/2023, Tach: 2423.0

Removed nose tire assy. Installed new Aero Classic 5:00 X 5 tube. Assembled wheel and torqued. Installed on aircraft and set bearing tension and cotter keyed.

Michael H. Boatz
Michael H. Boatz
IA2650791AP

TOTAL TIME IN SERVICE		TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
			N34039 7/5/2023, Tach: 2451.0 Removed pitot heating element. Installed new element p/n 0721105-5. Crimped new connector pins. Leak check and operational check performed. <i>Michael H. Boatz</i> Michael H. Boatz IA2650791AP
			N34039 9/11/2023, Tach: 2497.1 Disconnected throttle warning horn switch wires due to short intermittent shorting at unknown location. Wires secured. To be troubleshooted at repaired at later time. Placarded in cabin "INOP THROTTLE WARNING HORN" in full view of pilot. <i>Michael H. Boatz</i> Michael H. Boatz IA2650791AP
			B & C Quality A/C Maintenance 253-278-4832 N34039, 10-4-2023, TACH:2503.1 C/W AD 11-10-09 Amdt 39-16690 Eff. date 6/17/2011. Performed seat and rails visual and dim. Insp. per Para (g) (1) thru (10). No anomalies noted. Recurring due 10/24 or tach 2603.1 whichever occurs first. Resealed several locations on windshield where fillet seal has come loose. Used Sili-thane 803 Black. Inspected nose wheel squat switch wire bundle and secured to strut and scissor link. Replaced fwd most landing gear throttle position wire bundle with same gauge wire removed. Sleeved new bundle and secured to existing engine compartment wire bundle. Tested circuit no anomalies noted. <i>Michael H. Boatz</i> Michael H. Boatz IA 2650791 AP

N34039 7/5/2023, Tach: 2451.0
Removed pitot heating element. Installed new element p/n 0721105-5. Crimped new connector pins. Leak check and operational check performed.
Paul X. Bouts

Michael H. Boatz
IA2650791AP

N34039 9/11/2023, Tach: 2497.1
Disconnected throttle warning horn switch wires due to short intermittent shorting at unknown location. Wires secured. To be troubleshooted at repaired at later time. Placarded in cabin "INOP THROTTLE WARNING HORN" in full view of pilot.

Michael H. Boatz
JA2650791AP

B & C Quality A/C Maintenance
253-278-4832

N34039, 10-4-2023, TACH:2503.1
11-10-09 Amdt 39-16690

253-278-4852

N34039, 10-4-2023, TACH:2503.1
C/W AD 11-10-09 Amdt 39-16690 Eff. date 6/17/2011. Performed seat and rails visual and dim.
Insp. per Para (g) (1) thru (10). No anomalies noted. Recurring due 10/24 or tach 2603.1
whichever occurs first. Resealed several locations on windshield where fillet seal has come
loose. Used Sili-thane 803 Black. Inspected nose wheel squat switch wire bundle and secured to
strut and scissor link. Replaced fwd most landing gear throttle position wire bundle with same
gauge wire removed. Sleeved new bundle and secured to existing engine compartment wire
bundle. Tested circuit no anomalies noted.

[Signature]

Michael H. Boatz
IA 2650791 AP