

11-51630

ELT BATTERIES

DUE DATE ~~12/22~~
2/2024



The Standard

AIRCRAFT LOG

ASA-SA-2

Aircraft Record General Information

Manufacturer Cessna **Model** 172 RG

Serial 172 RG 0267 **Registration Number** N5163U

Date of Manufacture _____

Engine(s) currently installed:

Manufacturer _____ **Model** _____ **Serial** _____

Manufacturer _____ **Model** _____ **Serial** _____

Propeller(s) currently installed:

Manufacturer _____ **Model** _____

HUB Model _____ **Serial** _____ **Serial** _____

Blade Model _____ **Serial** _____ **Serial** _____ **Serial** _____

Blade Model _____ **Serial** _____ **Serial** _____ **Serial** _____

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Blade Model _____ **Serial** _____ **Serial** _____ **Serial** _____
Blade Model _____ **Serial** _____ **Serial** _____ **Serial** _____



FAA CRS FCP2831D
90454 Boeing Dr.
Eugene, OR 97402

DATE 4-15-09 TACH 7967.7 N#5163U

Replaced left and right main tires with new Condor 15x6.0/6 6ply tire. Wheel bearing cleaned inspected and repacked with Aeroshell 5 grease. Cleaned brake calipers and applied dry graphite to alignment pins. Operational check good. Complied with AD83-14-04 by visual inspection of heater shroud and muffler for cracks and security of installation. Next due @ 8017.7 tach.

"This certifies that only the work requested by the customer and described on Work Order No. 339978 was accomplished and inspected in accordance with manufacturer's specifications and current Federal Aviation Administration regulations, is airworthy, and is approved for return to service with respect to the work performed". SIGNATURE William Stewart, INSPECTOR.
FLIGHTCRAFT INC./EUGENE CRS FCP2831D William Stewart



SALEM AIR CENTER N5163U TACH: 7975 4/29/2009

Replaced landing gear motor circuit breaker with new p/n S1232-30. Replaced landing gear motor relay p/n S-1577 with new superseded p/n 8781-8. Replaced spinner with new p/n 2450003K200. Completed ops check of landing gear – checked ok.

Michael R. Burgess A&P 554064051 Michael R Burgess

Y DATE Oct. 9th, 2009 TACH; 8012.7 TT Airframe; 8012.70 N# N5163U
2 Aircraft make and model; Cessna 172RG Airframe serial number; 172RG0267
D Engine model; Lycoming O-360-F1A6 Serial number; L-11015-36A TSO; 1965.5 Eng. TSN UNK
Propeller Make; McCauley B2D34C220 Serial number; 840100 TSO; 1578.4

Drained Engine oil hot. Removed engine oil filter, inspected oil filter media, no unusual debris noted. Installed a new Champion CH-48111-1 oil filter and safetied. Serviced engine with 7 quarts of AeroShell 100 aviation oil W-50 engine oil. Ground ran to check for oil leaks, none noted. Performed a differential compression check of the engine. #1 73/80. #2 70/80 #3 73/80 #4 72/80. Master orifice pressure was 41/80 Removed and replaced all engine spark plugs with new. Installed plugs, Champion RHM38E, using new M674 gaskets. Checked magneto timing. Adjusted right magneto to 25 deg BTDC. Engine TCDS E-286. Removed propeller spinner, Inspected propeller mounting bolts and nuts, no problems noted. Inspected spinner no problems noted. Inspected propeller, no problems noted. Reinstalled propeller spinner. Removed and replaced the vacuum relief valve filter with a new filter. Raised aircraft and performed a extension/ retraction test of the landing gear system. Normal retraction and extension check was normal during 5 gear cycles. Landing gear extension by manual means was performed twice with no problems noted. Removed all wheel brake assy's. inspected and serviced wheel bearings with AeroShell 5 grease. Checked tire balance and then reinstalled and safetied in original locations. Drilled a .050 inch stop drill hole left engine cowl cooling flap, outboard fwd corner. Removed co-pilot's kick panel, and the aft right baggage compartment side wall panel and installed approx 10 feet of un-terminated 2 conductor shielded wire. This wire was installed to facilitated future installation of a 406mhz ELT. No power no grounding and no termination of the installed wire at this time. Installation of wire was performed in accordance with current A/C 43.13 approved methods. No appreciable change in weight, no adjustments to aircraft weight and balance made at this time. Installed repaired autopilot roll servo in right wing trailing edge. Safetied servo motor, and ops checked good. Performed a FAR 91.207d inspection of the ELT, ELT checked good. ELT batteries due replacement on or before March 2010. Complied with AD 71-09-07, no problems noted next due 5567.41. Complied with AD 87-20-03R2, amend. 39-6669 By visually inspecting seats and seat tracks, no problems noted. Due no later than 8112.7 hours tach time. Complied with AD 83-14-04, amend. 39-4684 by visual inspection of the engine exhaust and muffler. No problems noted. Next due no later than 8062.70 tach time. Inspected the Door post map light in accordance with AD 01-23-03, para. (d) (1) no problems noted, next due no later than 10/2010. AD's 2008-08-14 and 2009-02-03 is n/a, engine is normally aspirated. AD 2008-13-28 is n/a McCauley propeller is installed. AD 2009-19-04 is n/a by propeller model number . AD's checked through:

Small Aircraft. Biweekly 2009-20 September 28, 2009

I CERTIFY THAT THIS AIRPLANE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION, AS PER PART 43 APPENDIX D, AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. APPLICABLE A.D. NOTES AS RECORDED

George Harvey AP562252377IA



YEAR 20 <u>09</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/11/09	8008.		8008.	INSTALLED OWNER SUPPLIED USED SERVICEABLE ELECTRONICS INTERNATIONAL, INC. EC-1 EGT/CHT SYSTEM, I/A/W STC SA1626NM. ORIGINAL FACTORY INSTALLED ALCOR EGT SYSTEM REMOVED. ELECTRONICS INTERNATIONAL, INC. EC-1 GAUGE INSTALLED IN SAME HOLE AS REMOVED ALCOR EGT GAUGE. ELECTRONICS INTERNATIONAL INC. EC-1 EGT PROBE INSTALLED IN SAME HOLE/ POSITION AS ORIGINAL ALCOR EGT PROBE. EC-1 CHT PROBE INSTALLED IN CYLINDER NO.3, CESSNA FACTORY INSTALLED CHT SYSTEM REMAINS WITH PROBE REMAINING IN NO.2 CYLINDER. EQUIPMENT LIST AMENDED, NO WEIGHT & BALANCE CHANGE. <i>David Yeakel ATP 544683053</i>
SEE FAA FORM 337 THIS DATE <i>David Yeakel</i>				



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance

DAVID YEAKEL
 (541) 543-0851

Mailing Address: 2505 Willona Drive
 Eugene, OR 97408

YEAR 20 <u>09</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/23/09	8008.		8008.	INSTALLED DAVTRON 655-2 OAT, S/N D9168 I/A/W MANUFACTURER'S INSTRUCTIONS. THE OAT USES A ONE AMP CIRCUIT BREAKER LOCATED IN THE AVIONICS BUS AREA. THIS EQUIPMENT HAS BEEN GROUND CHECKED AND FUNCTIONS PROPERLY. THERE WERE NO ADVERSE EFFECTS WITH ANY OF THE OTHER AIRCRAFT SYSTEMS. ALL WORK HAS BEEN DONE I/A/W APPLICABLE SECTIONS OF AC 43.13-1B AND AC 43.13-2B. WEIGHT & BALANCE AND EQUIPMENT LIST UPDATED. David Yeakel APT 544683053
SEE FAA FORM 337 THIS DATE David Yeakel				



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9/23/09	8008.		8008.	SEE FAA FORM 337 DATED 9/23/09 FOR DETAILS OF AVIONICS WORK PERFORMED BY MCKENZIE AVIONICS. David Yearke A#P 544683053
3/13/10				Replace the Batterys in the E.L.T and the remote using (6) Duracell 'D', (1) Duracell 02 1/2
4/22/10	8067.		8067.	REMOVED EXHAUST MUFFLER & TAILPIPE FOR REPAIR. SENT TO KNISLEY WELDING FOR REPAIR. David Yearke A#P 3478560 FAIRBANKS AIRCRAFT SERVICE, LLC

YEAR 20 <u>10</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/29/10	8067.		8067.	<p> INSTALLED REPAIRED MUFFLER AND TAILPIPE FROM KNISLEY EXHAUST SYSTEMS WITH NEW CLAMP HALVES AND NEW ATTACHING HARDWARE, SEE KNISLEY'S YELLOW TAG. INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-1404, AMEND. 39-4684, PARAGRAPH (a)(2), DUE AGAIN NO LATER THAN 8117 HRS. R/R ENGINE DRIVEN FUEL PUMP W/NEW TEMPEST FUEL PUMP, P/N AF-15472, S/N F005746. CHANGED OIL & FILTER - INSTALLED 8 QTS. AEROSHELL 50WT. RAN ENGINE AND CHECKED FOR OIL & FUEL LEAKS - NONE OBSERVED. </p> <p> <i>David Yeakel</i> APP 3478560 </p>



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5600 N Hwy 95 #11
 Lake Havasu City, AZ 86404
 (928) 764-1883

July 7, 2010

N5163U

Tach: 8093.4

WO-10-3266

Installed overhauled alternator P/NDOFF10300B S/N K031715.

Installed new voltage regulator P/NVR515GA S/N G014011.

Ran engine and adjusted voltage to 28.0 volts.

Mark Naumer 2781002A&P/IA

YEAR 20 DATE	TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	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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FAA CRS FCP2831D
90454 Boeing Dr.
Eugene OR. 97402

DATE 7/1/2010 TACH 8087.4

N 5163U

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

Altimeter (Encoding Yes No) P/N 5934P-1 Serial No. T1726

Encoder/Air Data Computer Serial No. 78858 Transponder Model GTX 327 Serial No. 83736704

The altimeter and Air Data Computer were tested to 20,000 feet on 7/1/2010. Static system leak tested on 7/1/2010. The transponder was tested on 7/1/2010. Pertinent details of the work described above are on file at this agency under **W.O.#338352**. This aircraft was repaired and inspected in accordance with current federal aviation regulations and is determined to be **Airworthy** with respect to the work performed. Aircraft approved for return to service this date. **END.**

Signature Stephanie D. Bliss Flightcraft Eugene CRS# FCP2831D
Stephanie D. Bliss

<u>8/3/10</u>	<u>8108</u>	<u>8108</u>	<u>INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-1404, AMEND. 39-4684, PARAGRAPH (a)(2), DUE AGAIN NO LATER THAN 8158 HRS. SERVICED TIRES, CHECKED LIGHTS, CHECKED BRAKE LININGS, COMPLETED 50 HOUR INSPECTION. David Yeakel AIP 3478560</u>



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11/8/10	8124.		8124.	<p>INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-14-04, AMEND. 39-4684, PARAGRAPH (a)(2), DUE AGAIN NO LATER THAN 8174 HRS. INSPECTED THE CABIN SEATS & SEAT RAILS I/A/W A.D. 87-20-03R2, AMEND. 39-6669, DUE EACH ANNUAL INSPECTION. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23-03, AMEND. 39-12500 PARAGRAPH (d)(1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS FROM NOW. R/R ENGINE AIR FILTER ELEMENT (BRACKET) W/ NEW. INSPECTED ELT I/A/W FAR 91.207, BATTERY PACK EXPIRES 3/12.</p>
				<p>DATE <u>11/8/10</u> TACH TIME <u>8124.</u> TT. <u>8124.</u> TSMOH I CERTIFY THAT THIS <u>AIRCRAFT</u> HAS BEEN INSPECTED I/A/W A N <u>ANNUAL</u> INSPECTION AS PER F.A.R PART 43, APPENDIX D REQUIREMENTS AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>David Yeakel IA 3478560</u> Signature</p>

FAIRBANKS AIRCRAFT SERVICE, LLC
 Aircraft Maintenance
 DAVID YEAKEL
 (541) 543-0851
 Mailing Address: 2505 Willona Drive
 Eugene, OR 97408

YEAR 20 <u>11</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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6/24/11	8158.		8158.
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Eugene, OR 97408

INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-14-04, AMEND. 39-4684, PARAGRAPH (A)(2), DUE AGAIN NO LATER THAN 8208. HRS. David Yeakel
A&P 3478560

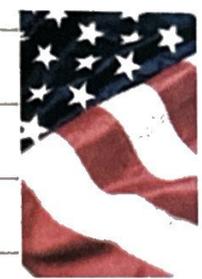
12/1/11	8200.		8200.
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INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-14-04, AMEND. 39-4684, PARAGRAPH (A)(2), DUE AGAIN NO LATER THAN 8250. HRS. INSPECTED THE CABIN SEATS & SEAT RAILS I/A/W A.D. 11-10-09, AMEND. 39-16690, PARAGRAPH (g), DUE AGAIN NO LATER THAN 8300. HRS. OR W/C/F. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23-03, AMEND. 39-12500, PARAGRAPH (d)(1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS FROM NOW. R/R ENGINE AIR FILTER ELEMENT (BRACKET) W/ NEW. SEALED ALL FIXED WINDOWS. R/R BOTH MAIN TIRES W/ NEW.

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(CONT.) → R/R RIGHT MAIN TIRE INNER TUBE W/ NEW. CLEANED & INSPECTED ALL MAIN GEAR WHEEL VALVES, BEARINGS, RACES AND FELT SEALS. REPACKED ALL MAIN GEAR WHEEL BEARINGS. INSPECTED ELT I/A/W FAR 91.207, BATTERY PACK EXPIRES 3/12. David Yeakel
 A&P 3478560

DATE 12/1/11 TACH TIME 8200, TT. 8200.
 I, SMOH I CERTIFY THAT THIS
AIRCRAFT HAS BEEN INSPECTED I/A/W
 AN ANNUAL INSPECTION AS PER F.A.R
 PART 43, APPENDIX D REQUIREMENTS AND
 WAS DETERMINED TO BE IN AIRWORTHY
 CONDITION.



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance
 DAVID YEAKEL
 (541) 543-0851
 Mailing Address: 2505 Willona Drive
 Eugene, OR 97408

David Yeakel IA 3478560
 Signature

1/3/12 8207.HRS. INSTALLED PRECISE-FLOW AIR VENTS I/A/W STC NO. SA00709 CH. COMPLETED FAA FORM 337 AND COPIES DISTRIBUTED TO APPROPRIATE PARTIES. INSTALLED NEW NOSE GEAR DOOR ROD-END ON RIGHT NOSE GEAR DOOR LINK, LOWER ROD-END. David Yeakel
 A&P 3478560

YEAR 20 <u>13</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1/1/13	8244.		8244.	R/R ELT BATTERY/PAK W/NEW. INSPECTED ELT I/A/W FAR 91.207. BATTERY PAK EXPIRES 12/22. INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-14-04 AMEND. 39-4684 PARAGRAPH (a)(2), DUE AGAIN NO LATER THAN 8294 HRS. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23- 03, AMEND. 39-12500 PARAGRAPH (d)(1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS FROM NOW. INSTALLED NEW TAIL TIE-DOWN RING AND NUT PLATE. R/R BROKEN FLASHING BEACON LENS CLAMP W/NEW. INSPECTED CABIN SEATS AND SEAT RAILS I/A/W A.D. 11-10-09, AMEND. 39-16690 PARAGRAPH (g), DUE AGAIN NO LATER THAN 8344 HRS. OR 12 CALENDAR MONTHS FROM NOW, W/C/F. R/R ELT REMOTE SWITCH BATTERY W/NEW - EXPIRES 12/22 OR ON CONDITION TESTED I/A/W FAR 91.207. R/R LOWER (GREEN) LANDING GEAR INDICATOR LIGHT

YEAR 20 <u>13</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><i>SOCKET ASSY, W/ NEW - TESTED GOOD ON SEVERAL RETRACTION TESTS. R/R STORAGE BATTERY W/ NEW CONCORDE R624-15M, S/N 40520899, AMENDED WEIGHT & BALANCE. David Yeakel A&P 3478560.</i></p> <p>DATE <u>1/1/13</u> TACH TIME <u>8244</u> TT. <u>8244</u> TSMOH _____ I CERTIFY THAT THIS <u>AIRCRAFT</u> HAS BEEN INSPECTED I/AW <u>AN ANNUAL</u> INSPECTION AS PER F.A.R PART 43, APPENDIX D REQUIREMENTS AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION <i>David Yeakel IA3478560</i></p>



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance

DAVID YEAKEL
 (541) 543-0851

Mailing Address: 2505 Willona Drive
 Eugene, OR 97408

Signature

Corvallis Aero Service
N5163U

5695 SW Airport Place
TACH: 8244.2

Corvallis, OR 97333
DATE: 1/7/2013

Following static system repair (see item 4). Tested and inspected aircraft altimeter, altitude encoder, and static system IAW 14CFR91.411. They were found to comply with 14CFR43, appendices E and F. Tested and inspected aircraft transponder system IAW 14CFR91.412. It was found to comply with 14CFR43, appendix F. GTX327, P/N 011-00490-00, S/N 83736704. Traced source of leak to damaged left side static sump. R and R static sump, P/N S1258-1. Leak test IAW 14CFR91.411 was good.

I certify that this Airframe is airworthy only with respect to the work performed.

Details on file
 W/O # 13-4889



Matt Hunt 1/7/13
 Matt Hunt for CRS V56R854K

YEAR
20 13
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations
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12/9/13

8262. HRS.

8262. HRS.

R/R OIL COOLER W/ NEW AERO-CLASSICS P/N 8001733, S/N 4976042. INSTALLED USING THE SAME FITTINGS AS THE ONE REMOVED. ENGINE RUN FOR SEVERAL MINUTES TO CHECK FOR LEAKS - NO LEAKS. David Yeakel
A#P 3478560



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance

DAVID YEAKEL
(541) 543-0851

Mailing Address: 2505 Willona Drive
Eugene, OR 97408

2/12/14

8262. HRS.

8262. HRS.

INSPECTED ELT I/A/W FAR 91.207, BATTERY PACK EXPIRES 12/22. INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-14-04, AMEND. 39-4684, PARAGRAPH (a) (2), DUE AGAIN NO LATER THAN 8312. HRS. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23-03, AMEND. 39-12500, PARAGRAPH (d) (1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS FROM NOW. INSPECTED THE CABIN SEATS & SEAT RAILS I/A/W A.D. 11-10-09, AMEND. 39-16690, PARAGRAPH (g), DUE →

YEAR
20 14
DATE

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

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AGAIN NO LATER THAN 8362 HRS. OR 12 CALENDAR MONTHS FROM NOW W/CF.
 R/R VACUUM RELIEF VALVE FILTER W/NEW. R/R LEFT MAIN GEAR DOWN LOCK
 SWITCH (P/N S2088-1) AND ACTUATOR (P/N S2112-1) W/NEW. CYCLED GEAR
 SEVERAL TIMES - NO FAILURES. David Yeakel A#P 3478560



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance

DAVID YEAKEL
 (541) 543-0851

Mailing Address: 2505 Willona Drive
 Eugene, OR 97408

DATE 2/12/14 TACH TIME 8262 TT. 8262

TSMOH I CERTIFY THAT THIS
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 CONDITION.

David Yeakel IA 3478560
 Signature

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3/3/15 8294. HRS. 8294. HRS.



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Aircraft Maintenance

DAVID YEAKEL
(541) 543-0851

Mailing Address: 2505 Willona Drive
Eugene, OR 97408

INSPECTED ELT I/A/W FAR 91.207, BATTERY PACK EXPIRES 12/22. INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS I/A/W A.D. 83-14-04, AMEND. 39-4684, PARAGRAPH (a) (2), DUE AGAIN NO LATER THAN 8344 HRS. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23-03, AMEND. 39-12500, PARAGRAPH (d)(1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS FROM NOW. INSPECTED THE CABIN SEATS & SEAT RAILS I/A/W A.D. 11-10-09, AMEND. 39-16690, PARAGRAPH (g), DUE AGAIN NO LATER THAN 8394 HRS. OR 12 CALENDAR MONTHS FROM NOW, W/C/F. R/R BOTH PILOT'S SEAT RAILS W/NEW, P/N MC2414002-1 & -2, INSTALLED W/STRUCTURAL SCREWS & NUTS. R/R CENTRAL INSTRUMENT VACUUM FILTER W/NEW, P/N RA-09-18-1. David Yeakel A&P 3478560

YEAR 20 <u>15</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE 3/3/15 TACH TIME 8294 TT. 8294 HRS.

TSMOH I CERTIFY THAT THIS
~~AIRCRAFT~~ HAS BEEN INSPECTED I/A/W
 AN ANNUAL INSPECTION AS PER F.A.R
 PART 43, APPENDIX D REQUIREMENTS AND
 WAS DETERMINED TO BE IN AIRWORTHY
 CONDITION.



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance
 DAVID YEAKEL
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 Mailing Address: 2505 Willona Drive
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David Yeakel IA 3478560
 Signature

4/5/16	8305. HRS.	8305. HRS.		INSPECTED ELT I/A/W FAR 91.207, BATTERY PACK EXPIRES 12/22. INSPECTED THE CABIN SEATS & SEAT RAILS I/A/W A.D. 11-10-09, AMEND. 39-16690, PARAGRAPH (g), DUE AGAIN NO LATER THAN 8405. HRS. OR 12 CALENDAR MONTHS FROM NOW, W/C/F. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23-03, AMEND. 39-12500, PARAGRAPH (d) (1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS FROM NOW. R/R ONE NOSE GEAR DOOR HOLD OPEN SPRING W/ A USED SERVICEABLE <u>(NEXT PAGE)</u>
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YEAR
20 16
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.)

SPRING FROM PREFERRED AIRPARTS, P/N LEG 49014 MW. CHECKED OPERATION - GOOD, NO DISCREPANCIES. David Yeakel A# 3478560



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance

DAVID YEAKEL
(541) 543-0851

Mailing Address: 2505 Willona Drive
Eugene, OR 97408

DATE 4/5/16 TACH TIME 8305 TT. 8305

TSMOH I CERTIFY THAT THIS
AIRCRAFT HAS BEEN INSPECTED I/A/W
AN ANNUAL INSPECTION AS PER F.A.R
PART 43, APPENDIX D REQUIREMENTS AND
WAS DETERMINED TO BE IN AIRWORTHY
CONDITION.

David Yeakel IA 3478560

Signature

1/5/17

(C)

8315.HRS.

8315.HRS. INSPECTED ELT I/A/W FAR 91.207, BATTERIES EXPIRE 12/22, INSPECTED THE CABIN SEATS & SEAT RAILS I/A/W A.D. 11-10-09, AMEND. 39-16690, PARAGRAPH (g), DUE AGAIN NO LATER THAN 8415.HRS. OR 12 CALENDAR MONTHS FROM NOW, W/C/F. INSPECTED THE DOORPOST MAP LIGHT SWITCH INSULATOR I/A/W A.D. 01-23-08 AMEND. 39-12500, PARAGRAPH (d)(1), DUE AGAIN NO LATER THAN 12 CALENDAR MONTHS

YEAR 20 <u>16</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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FROM NOW, INSPECTED THE CABIN HEATER SHROUD & MUFFLER FOR CRACKS
 I/A/W A.D. 83-14-04, AMEND. 39-4684 PARAGRAPH (a) (2) DUE AGAIN
 NO LATER THAN 8365. MRS David Yeakel A#P 3478560



FAIRBANKS AIRCRAFT SERVICE, LLC
Aircraft Maintenance

DAVID YEAKEL
 (541) 543-0851

Mailing Address: 2505 Willona Drive
 Eugene, OR 97408

DATE ~~8315~~ TACH TIME ~~8315~~ TT. 8315

TSMOH I CERTIFY THAT THIS
AIRCRAFT HAS BEEN INSPECTED I/A/W
AN ANNUAL INSPECTION AS PER F.A.R
 PART 43, APPENDIX D REQUIREMENTS AND
 WAS DETERMINED TO BE IN AIRWORTHY
 CONDITION.

David Yeakel IA3478560

Signature

Date: **3/29/2019**Registration: **N5163U**Make: **CESSNA**Model: **172RG**Serial: **172RG0267**Tach/Hobbs: **Tach: 8358.2**WO #: **A181593**

Removed: Garmin GTX-327 P/N 011-00490-00 S/N 83736704 Transponder. Updated Garmin GNS-530W to MAIN Software 5.40 and GPS WAAS Software to per Garmin Service Bulletin No. 1766 Rev A, No. 1762 Rev A and No 1317 Rev B. Performed return to service using Garmin Manual P/N 190-00357-02 Rev M dated July 2017 per section 5. Inserted updated GNS-530W AFMS P/N 190-00357-03 Rev F dated November 30, 2017 in Pilot's POH. Placed 500W Instructions for Continued Airworthiness P/N 190-00357-65 Rev D dated November 21, 2014 with aircraft records. Installed NEW Garmin GTX-345 Transponder In Accordance With Garmin STC# SA01714WI dated March 8, 2016. The Garmin GTX-345 P/N 011-03302-00 S/N 3EG026682 was installed using Garmin's Part 23 AML STC Installation Manual P/N 190-00734-10 Rev 11 dated January 2019. The Garmin GTX-345 was installed F.S. 12.5. Garmin GTX-345 connected to an existing transponder antenna that meets the requirements called out in section 3.10 of the Garmin's AML STC Installation Manual P/N 190-00734-10 Rev 11 dated January 2019. GTX-345 interfaced to the existing Garmin GMA-340, existing Garmin GNS-530W and NEW Garmin Encoder P/N 011-03080-00 S/N 3T6008927 using Garmin Manual P/N 190-00734-10 Rev 11 figure B-19, B-32 and B-22. Garmin GTX-345 was configured per section 7 and tested per section 8 of the Garmin AML STC Installation Manual P/N 190-00734-10 Rev 11 dated January 2019. The flight manual supplement for the GTX-345 P/N 190-00734-15 Rev 3 dated December 21, 2017 installed in the Pilot's Operating Handbook. Garmin GTX-345 Instructions for Continued Airworthiness, Part 23 AML STC Maintenance Manual P/N 190-00734-11 Rev 6 dated: December 7, 2017, placed with aircraft records. Weight and Balance negligible. Certified A/C Altimeter S/N T1723 and Transponder S/N 3EG026682 and Encoder S/N 3T6008927 for IFR to 20,000ft as required by FAR 91.411 and FAR 91.413 IAW Part 43, Appendix E and F. Next certification due by April 2021. See FAA 337 dated 4/4/2019.

The aircraft and/or components identified above was repaired and/or inspected in accordance with current Federal Aviation Regulations and is approved for return to service at this time for the work performed.

Signed Christopher Brand 

Designated Repairman

Approved Repair Station # LJER093G

YEAR 20, may RECORDING TACH TODAY'S FLIGHT TOTAL TIME IN

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of

March 20, 2019

Tach: 8358.1

Aircraft Total: 8358.1

Complied with an ANNUAL inspection I/A/W 14 CRF 43 Apdx D.

Aircraft serviced and inspected - fuel screens cleaned -tires inflated -controls, pulleys, hinges lubricated - landing gear greased - brake fluid level checked - Elt inspected and tested I/A/W FAR 91.207 (d) 1-4. Swung gear for normal and emergency operation per the service manual.

ELT: Replaced ELT batteries with Duracell D cells. And replaced remote switch battery. Both batteries **expiration date is 2/2024**

Engine/ Engine Mount: Removed and reinstalled engine after overhaul by Premier Aircraft Engines under their WO# 14543 See engine logbook for details. Removed and reinstalled Engine mount after repair by Aerospace Welding under their WO# 184117. Installed mount with all new hardware. Replaced all engine shock mounts with set P/N J23502-1. Replaced all baffle airseal on cowlings and baffles. Replaced RH rear engine baffle AF2455038-2 and LH rear engine baffle P/N AF2455058-1. Primed and painted all engine baffles. Replaced all engine hoses. Reinstalled carburetor heat shroud and carburetor air box after weld repair by Creative Metal Works WO# 81217. Replaced manifold pressure hard line at engine baffle. Replaced rear baffle springs. Replaced multiple rivets on carburetor airbox.

Structural: Replaced RH and LH FWD baggage compartment bulkheads near fuselage station 108.0 RH P/N 2412001-4, LH bulkhead P/N 2412001-3 due to cracks. Replaced Bulkhead P/N 2412007-2 in RH landing gear well due to corrosion. Replaced RH and LH landing gear well sheet metal cups near fuselage station 105.0 with as removed, serviceable P/N s 2412016-1 and 2412016-2. Sealed cups with proseal. Repaired cracks on baggage panel shelf at RH and LH side with riveted repair. Dressed out remaining corrosion in RH landing gear well and channel and primed. Replaced eroded rivets in RH gear well as needed. Repaired RH and LH bulkheads at fuselage station 26.5 with minor riveted repair. Removed RH and LH landing gear wheel well liners. Removed corrosion behind RH gear liner and replaced with P/N 2412076-4. Repaired and reinstalled LH gear liner and sealed both with proseal.

Landing gear repairs: Replaced RH and LH nose gear door springs. Replaced nose gear unstop bumper and position to have correct clearance when gear is up. Replaced nose gear downlock cross bar, spring and guide. Verified rigging on nose gear downlock. Secured nose gear downlock switch wires. . Repaired shimmy damper by replacing seals and replacing body with serviceable P/N 1442112-1. Removed RH gear leg, replaced brake fluid o rings on plug and reinstalled gear leg. Repaired RH brake caliper with new seals. Bled RH brake system. Repaired torque lings with all new bushings and hardware. Repaired emergency hand pump by replacing seals. Repaired nose gear actuator by replacing seals. Adjusted main gear downlock clearances to specs. Replaced nose gear actuator hoses. Replaced gear warning/ throttle micro switch and actuator. Rigged per specs. **Need test flight to verify Throttle microswitch rigging.** Replaced multiple rivets on nose gear wheel well. Installed Landing gear inspection mirror IAW Wilco STC SA2792CE and Wilco Drawing W172107. Replaced hydraulic power pack vent bottle.

Cont. . . . →

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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Flight Controls: Uncrossed trim tab cables in tail section. Rigged trim tab travels and set cable tension. Checked all control surface travels and tensions.

Instruments:

Fuel: Removed RH fuel tank top cover. Added proseal to inboard cover. Reinstalled top cover with proseal. Top fuel and lack checked tank. Replaced LH fuel tank quick drain. Rigged LH fuel tank vent to specs. Replaced RH and LH fuel cap gaskets and washers. Installed missing fuel capacity placards.

Seats: Installed correct doubler for SK 210-174 secondary seat stop. Replaced all seat roller washers. Reinstalled seat back to frame after weld repair of seat frame by Creative Metalworks WO# 81217. Replaced multiple roll pins and hardware on RH and LH seats. Replaced Co-pilots inboard seat rail with MC2414002-1. Removed rear seat, computed new Weight & Balance.

Additional work performed: Zeroed out VSI. Repaired multiple post light lights. Pressure lubricated throttle control. Installed missing pilots Rosen visor knob. Replaced vacuum regulator filter. Replaced RH and LH sidewall heater ducts. Removed debris under cabin floor. Removed and treated mild surface corrosion on spar carry thru. Replaced RH and LH heat ducts in wing roots and dressed out and treated corrosion from old ducts contacting skin. Replaced loose or missing rivets on lower RH cowl. Replaced manifold pressure hard line at engine baffle. Replaced heat fabric around landing lights. Replaced avionics cooling fan with PMA Sandia ACF328 Serial# 18207.

AD 2017-16-01 Ameriking ELT: Complied with by inspection per instillation and operation manual par 3.3-3.4 no defects noted at this time. Recurring every 12 months.

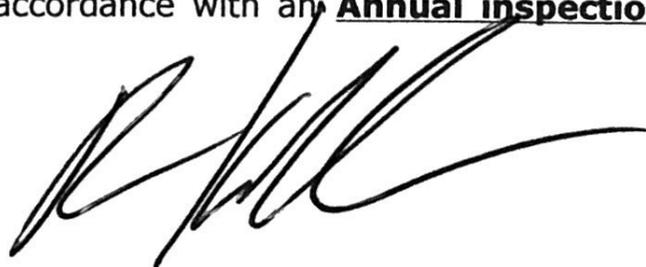
AD 2011-10-09 Replaced all seat roller washers. Replaced co-pilots IB seat rail. Inspected seats, roller, rails, springs and housings per AD. Due every 12 months or 100 hrs whichever occurs first.

AD 2001-23-03 Inspected and found insulator installed and undamaged. Fuel line is undamaged. Recurring every 12 months.

AD 83-14-04 Replaced muffler at this time. Modified muffler to match existing shroud per SE 83-13. Recurring every 50 hrs.

I certify that this Aircraft has been inspected in accordance with an **Annual inspection** and has been found to be in Airworthy condition at this time.

Rian Keller AP2771007 IA
Northwest Aircraft Maintenance 503-648-3670



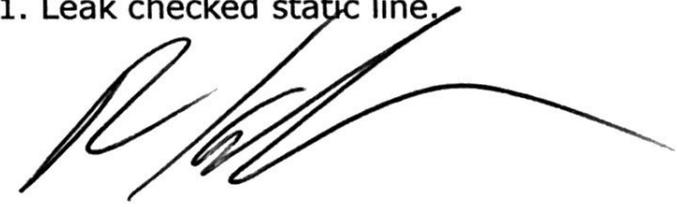
YEAR 20 **N5163U** **July 8, 2019** **Tach: 8367.4** **Tests, Repairs and Alterations**
DATE **Work Performed:** Replaced baggage door latch assembly with new S2455-1 latch. Reassembled door.
Secured left wing tip light fairing. Replaced one cowl fastener.

Dirk H Wittig A&P 2686407 IA 

Northwest Aircraft Maintenance (503) 648-3670

N5163U **July 23, 2019** **Tach: 8371.4**
Work Performed: Replaced RH main tire with Goodyear Flight Special 15X6.00-6 and tube with Goodyear. Inspected wheel bearings.

Jordan Engel A&P 4195739
Northwest Aircraft Maintenance (503) 648-3670 

N5163U **April 17, 2020** **Tach: 8394.0**
Work Performed: Replaced LH static bottle S1258-1. Leak checked static line.
Rian Keller AP2771007 IA
Northwest Aircraft Maintenance (503) 648-3670 

June 3, 2020

Tach: 8395.9

Aircraft Total: 8395.9

Complied with an ANNUAL inspection I/A/W 14 CRF 43 Apdx D.

Aircraft serviced and inspected - fuel screens cleaned - tires inflated - controls, pulleys, hinges lubricated - landing gear greased - brake fluid level checked - ELT inspected and tested I/A/W FAR 91.207 (d) 1-4. Swung gear for normal and emergency operation per the service manual.

ELT: Both batteries **expiration date is 2/2024**

Engine: Repaired oil cooler baffle. Repaired #4 baffle with riveted patch.

Landing gear repairs: Replaced belly panel 2413000-5 at nose gear actuator attach bracket. Replaced nose gear actuator attach bracket with Kit **SK 172-159**. Installed reinforcement kit **SK 172-142** on nose gear actuator belly panel. Primed and painted. Gear swung and checked for correct function. Replaced brake linings with 066-30026 linings. Replaced caliper o-rings and bled brakes. Broke in new brake pads. Secured main gear pads. Brake and hydraulic reservoirs filled.

Flight Controls: Replaced elevator trim tab actuator with McFarlane actuator PN MC1260074-1. Rigged trim tab travels and set cable tension.

Instruments: Reinstalled airspeed indicator PN EA-5174, SN 21134 following overhaul by Aircraft Quality Instruments. Replaced right side static bottle S1258-1. Repaired static line for transponder. Checked pitot and static system for leaks.

Fuel: Resealed one screw in inboard cover on RH wing

Additional work performed: Replaced 2 post light sockets PN 2106002-13-156. Replaced vacuum regulator filter. Replaced central vacuum filter AAD9-18-1. Replaced left landing light wires at forward sections. Inspected Rosen Visors per ICA. Secured screws in left visor. Fire extinguisher inspected and hydrostatic checked. Replaced right door stop 0511042-3. Cleaned aircraft belly. Treated and painted small corrosion spots. Reinstalled and sealed transponder antenna. Repaired pilots window frame at link attach point. Replaced smoking rivets in RH outboard flap track with structural screws. Fabricated minor repair to center console aft attach tabs using 2 extruded angles. Removed unused radio receiver in right side wall forward of right door.

AD 2017-16-01 Ameriking ELT: Complied with by inspection per installation and operation manual par 3.3-3.4 no defects noted at this time. Recurring every 12 months.

AD 2011-10-09 Inspected seats, roller, rails, springs and housings per AD. Due every 12 months or 100 hrs whichever occurs first.

AD 2001-23-03 Inspected and found insulator installed and undamaged. Fuel line is undamaged. Recurring every 12 months.

AD 83-14-04 Inspected muffler and heat shroud. Recurring every 50 hrs.

I certify that this Aircraft has been inspected in accordance with an **Annual inspection** and has been found to be in Airworthy condition at this time.

Dirk H Wittig A&P 2686407 IA

Northwest Aircraft Maintenance 503-648-3670



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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N5163U

April 30, 2021

Tach: 8430.4

Work Performed: Reinstalled rear seat. Use previous W&B dated May 7, 2014.

Rian Keller AP2771007 IA

Northwest Aircraft Maintenance (503) 648-3670



N5163U

June 8, 2021

Tach: 8442.0

Work Performed: Replaced analog tachometer with Electronics International R-1 Tachometer, SN 254129 in accordance with STC SA 5924NM. See 337 form this date.

Dirk H Wittig A&P 2686407 IA

Northwest Aircraft Maintenance (503) 648-3670



HILLSBORO AVIATION 		Hillsboro Aviation, Inc.	
		FAA Approved Repair Station LJER093G	
		3845 NE 30th Ave, Hillsboro, OR 97124	
		503.648.2831	
Date: 7/14/2021	Make: CESSNA	Model: 172RG	
Registration: N5163U	ACTT/Tach/Hobbs: TACH: 8447.3	WO #: A212019	
Serial: 172RG0267			

Certified A/C Altimeter S/N T1723 and Garmin GTX-345 Transponder S/N 3EG026682 for IFR to 20,000ft as required by FAR 91.411 and FAR 91.413 IAW Part 43, Appendix E and F. Next certification due by July 2023.

The aircraft and/or components identified above was repaired and/or inspected in accordance with current Federal Aviation Regulations and is approved for return to service at this time for the work performed.

Signed Christopher Brand 
 Designated Repairman
 Approved Repair Station # LJER093G

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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July 23, 2021

Tach: 8447.3

Aircraft Total: 8447.3

Complied with an ANNUAL inspection I/A/W 14 CRF 43 Apdx D.

Aircraft serviced and inspected - fuel screens cleaned -tires inflated -controls, pulleys, hinges lubricated - landing gear greased - brake fluid level checked - ELT inspected and tested I/A/W FAR 91.207 (d) 1-4. Swung gear for normal and emergency operation per the service manual.

ELT: Both batteries **expiration date is 2/2024**

Work performed: Replaced vacuum regulator filter. Rigged rudder trim pointer and verified rudder rigging is correct. Serviced nose oleo with nitrogen. Adjusted vacuum down. Placard VOR indicator as inop. Installed CO card on instrument panel. Rigged cabin heat control to have full off. Secured tail panel rubber channel. Secured autopilot rack in panel. Tie off wiring and hoses behind instrument panel. Replaced Both brake hoses at master cylinders and bled entire brake system. Replaced altimeter post lamp. Replaced aircraft battery P/N RG24-15M S/N 41154988. Replaced seven static wicks. Replaced lower parking brake cable P/N 05010105-278

AD 2017-16-01 Ameriking ELT: Complied with by inspection per installation and operation manual par 3.3-3.4 no defects noted at this time. Recurring every 12 months.

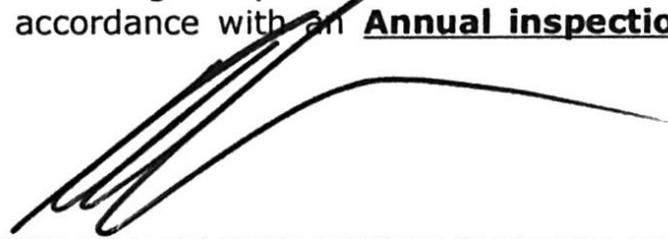
AD 2011-10-09 Inspected seats, roller, rails, springs and housings per AD. Due every 12 months or 100 hrs whichever occurs first.

AD 2001-23-03 Inspected and found insulator installed and undamaged. Fuel line is undamaged. Recurring every 12 months.

AD 83-14-04 Inspected muffler and heat shroud. Recurring every 50 hrs.

I certify that this Aircraft has been inspected in accordance with an **Annual inspection** and has been found to be in Airworthy condition at this time.

Rian Keller AP2771007 IA
Northwest Aircraft Maintenance 503-648-3670



Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

20_ Make: CESSNA
DATE Order No.: 136570
S/N: 172RG0267

Model: 172RG

Reg. No.: N5163U
Completed: 06/29/23
TTAF: 8473.70

Tach Time: 8473.70

Performed cabin heat CO leak check, no leaks found. AD 83-14-04 Cabin Heater Shroud Modification Effective 07/20/1983 CW IAW ¶ a) 2) next due AFTT: 8573.7. AD 2001-23-03 Forward Door Post Effective 12/27/2001 CW IAW ¶ (d)(1) next due 06/30/2024. AD 2011-10-09 Seat Rails and Roller Housing Inspections. Effective Date: 06/17/2011 CW IAW ¶ (f)(g); Next Due 06/30/2024 or AFTT:8573.7, whichever comes first.
Randi Sabrina Campbell A&P 4157950 *Randi Sabrina Campbell*

Annual inspection CW IAW 14 CFR Part 43 Appendix D. Tested ELT per 14 CFR Part 91.207 CW IAW ¶(d) no defects, ELT battery due FEB 2024. Lubricated hinges, rod ends, linkages, and pulleys. Stabilator trim jackscrew and MLG torque links Greased w/ Aeroshell 33. Checked brake fluid condition, serviced reservoir. Eliminated chaffing on engine mount as needed. Charged battery, cleaned battery box assembly, replaced positive cable nipple and master solenoid nipple, P/N MS25171-2S, MS25171-3S. Serviced nose strut with nitrogen. IAW Cessna 177RG maintenance manual.

AD 2020-18-01 Fuselage Effective 11/12/2020. PCW ¶(g)(1)(ii) on 07/23/2021, see previous AD lists for signoff, next due 07/31/2024 or AFTT: 9447.3 W.O.F.. AD2017-16-01 Emergency Locator Beacon, Effective 10/24/2017 CW IAW ¶ (g) next due 06/30/2024. AD 93-05-06 IGNITION SWITCHES (ACS) Effective 04/29/1993 PCW ¶(a) 05/06/2004 AFTT: 6916.7 next due 8916.7 hrs. Post maintenance ground run ops check, good. I certify this airframe was inspected IAW an annual inspection and, was determined to be in an airworthy condition. Dennis Nelson A&P 3533034 IA *[Signature]*

Removed Manifold/ fuel pressure gauge P/N: C662038-0102RX S/N:139264. Replaced with Aero-Mach overhauled gauge S/N: 139876 Job order No. 0512909. Replaced pilot and copilot seat belt grommet, P/N S2237-3. Serviced fuel strainer, inspected, replaced O-ring, P/N MS29513-111, leak check good. Replaced garter air filter, P/N ARB-3-5-1. -Shane Elrod A&P 4434698 *Shane Elrod*

