



**Cessna**

A Textron Company

## AIRFRAME MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 177RG 01274 N52802

RECORD NUMBER #3

D5517-2-13



## INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.417 and/or other prevailing government regulations.

Note: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the appropriate Engine/Propeller/Avionics Maintenance Record.

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# MAINTENANCE RECORD

| DATE       | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|------------|-----------------------|-------|------------------------------------------------------------------|-------------------------------------------------|
|            | HOURS                 | 10THS |                                                                  |                                                 |
| 11/21/2013 |                       |       | TACH 4155.7 HRS; TTAR 4155.7 HRS, NEW LOGS<br>STARTED FOR 152002 |                                                 |

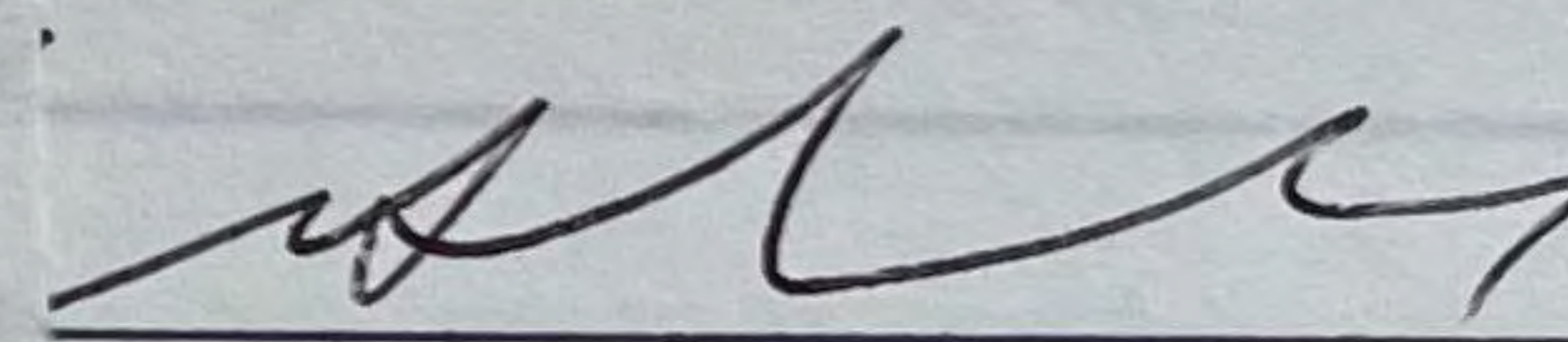
DUE 05/01/2015  
3411885IA

|                                                                                                                                               |                                                                                  |                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------|
| 1. Approving National Aviation Authority / Country:<br>FAA/UNITED STATES                                                                      | 2. AUTHORIZED RELEASE CERTIFICATE<br>FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG | 3. Form Tracking Number:<br>3804441               |
| 4. Organization Name and Address:<br>Cessna Aircraft Company (PC4)<br>Cessna Parts Distribution Dept. 702<br>5800 E Pawnee, Wichita, KS 67218 |                                                                                  | 5. Work Order/Contract/Invoice Number:<br>1270027 |

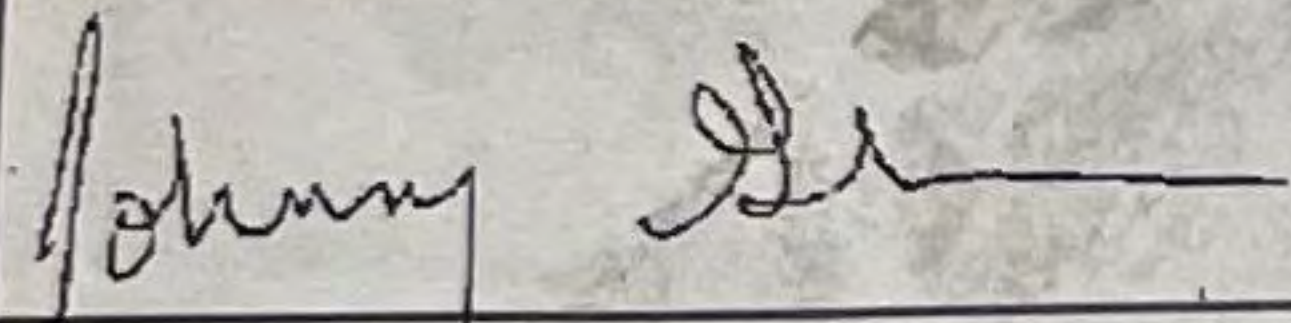
|               |                               |                            |                          |                    |                                  |                         |
|---------------|-------------------------------|----------------------------|--------------------------|--------------------|----------------------------------|-------------------------|
| 6. Item:<br>9 | 7. Description:<br>RING SCRAP | 8. Part Number:<br>S2418-1 | 9. Eligibility: *<br>N/A | 10. Quantity:<br>1 | 11. Serial/Batch Number:<br>1Q12 | 12. Status/Work:<br>New |
|---------------|-------------------------------|----------------------------|--------------------------|--------------------|----------------------------------|-------------------------|

13. Remarks:  
AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.

PO# 002570

  
Robert Russell 3411885IA

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14. Certifies the items identified above were manufactured in conformity to:<br><input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation.<br><input type="checkbox"/> Non-approved design data specified in Block 13. | 19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13<br>Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                  |                                                  |                              |                               |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------|-------------------------------|
| 15. Authorized Signature:<br> | 16. Approval/Authorization No.:<br>ODA-100129-CE | 20. Authorized Signature:    | 21. Approval/Certificate No.: |
| 17. Name (Typed or Printed):<br>JOHNNY GLOVER                                                                    | 18. Date (m/d/y):<br>APR/04/2013                 | 22. Name (Typed or Printed): | 23. Date (m/d/y):             |

## User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

ITEM: 9  
ORDER: 3804441 SN/LOT: 1Q12

3804441

PN: S2418-1

9

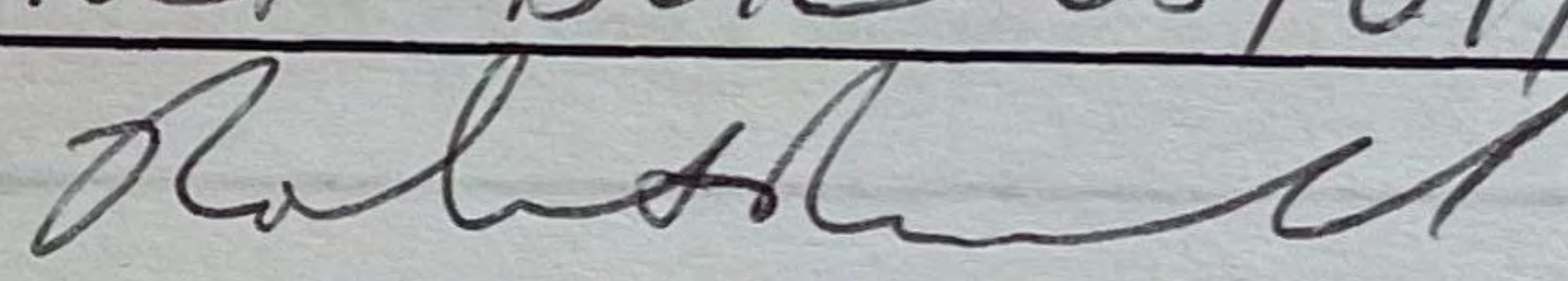
DESC: RING SCRAPE

QTY: 1  
U/M: EA



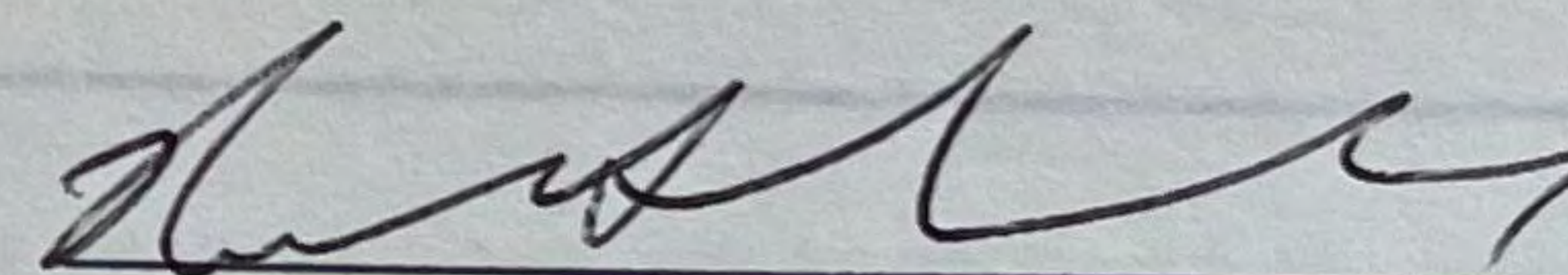
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### MAINTENANCE RECORD

| DATE       | TOTAL TIME<br>IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                             | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE<br>& NUMBER                                           |
|------------|--------------------------|-------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|            | HOURS                    | 10THS |                                                                                               |                                                                                                 |
| 11/21/2013 |                          |       | TACH 4155.7 HRS; TTAR 4155.7 HRS, NEW LOGBOOK<br>STARTED FOR N52802; TTR CRRT DUE 05/01/2015; |  34118851A |

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

11/21/2013 N52402 Tach 4155.7  
Replaced right fuel belly drain.



Robert Russell 34118851A



VOLUME 68

DATE

TOTAL TIME  
IN SERVICE

HOURS 10THS

MAINTENANCE RECORD

DESCRIPTION OF WORK PERFORMED

Aviation Plus LLC

262-656-1260

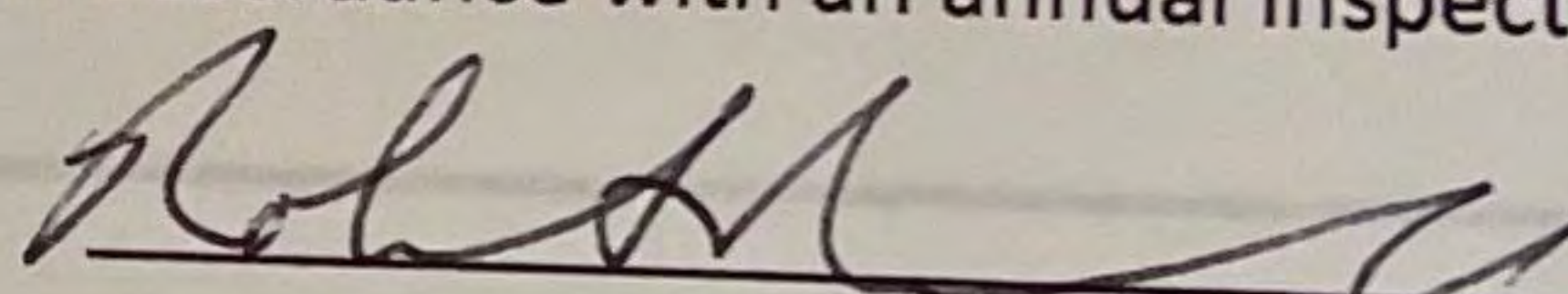
Aviationplusllc.com

AUTHORIZED  
CERTIFICATE

SIGNATURE,  
DATE TYPE  
NUMBER

04/08/2014 N52802 Tach 4166 TTAF 4166

Replaced air filter element. Reinstalled alternator after overhaul by RLB Accessory Service W.O. 14091. Replaced alternator noise filter. Secured prop cable to governor mount. Replaced one cowl shockmount. Replaced right brake pads. Replaced vacuum relief filter. Repaired left nose door bracket. Repaired pitot mast to wing mount. Reglued right main gear tunnel bumper to mount plate. CW AD11-10-09 seats and rails, visual and dimensional check, due 100 hrs/annually. CW AD11-26-04 fuel injector lines and supports, visual inspection, due 100 hrs. Replaced ELT battery (05/2016). ELT checked per FAR91.207(d). All routine items checked per inspection sheets. I certify that this airframe was inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Robert Russell 3411885IA

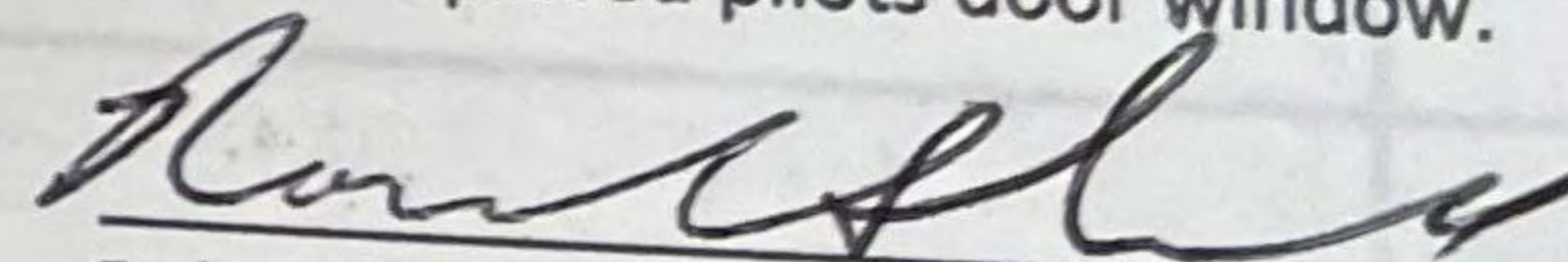
Aviation Plus LLC

262-656-1260

Aviationplusllc.com

01/30/2015 N52802 Tach 4198

Replaced left front stabilator weight arm bracket. Cleaned & painted trim tab rod. Cleaned & painted external belly area aft of battery drain. Repaired both door upper wedges & replaced pins. Replaced cabin door seals. Secured Velcro on baggage aft cover. Replaced ignition switch backing plate & contacts, lubed switch per AD93-05-06, due 2000 hrs. Replaced pilots door window.



Robert Russell 3411885IA



HAVSSER

## MAINTENANCE RELEASE

UNIT NAME Alternator SERIAL NO. 9719463

PART NO. DOFF 10300B MFG.: Cessna

☒ OVERHAUL ☐ REPAIRED ☒ TESTED ☐ INSPECTED ☐ FUNCTIONAL TESTED

The Aircraft component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under work order # 14091

OWNER: Aviation Plus DATE: 3-14-14 SIGNED FOR: Robert C. Beyr

### R L B ACCESSORY SERVICE

971 Babbitt Avenue • Addison, Illinois 60101-1221

FAA Approved repair station # KB2R946K

Aviation Plus LLC

262-656-1260

Aviationplusllc.com

01/30/2015 N52802 Tach 4198

Replaced left front stabilator weight arm bracket. Cleaned & painted trim tab rod. Cleaned & painted external belly area battery drain. Repaired both door upper wedges & replaced pins. Replaced cabin door seals. Secured Velcro on baggage Replaced ignition switch backing plate & contacts, lubed switch per AD93-05-06, due 2000 hrs. Replaced pilots door win



# Alternator Filter

## Part Number: LS03-01004

### TITLE: Alternator Filter Installation

**STEP 1 UNPACKING:**  
Carefully unpack the alternator filter. Check for damage. If the container or the filter have been damaged, contact LONE STAR's customer service representative to report the incident.

This package contains the following items:

- 1.(1) Alternator Filter with Clamp Assembly.
- 2.(1) Ring Terminal, 16-18 awg.
- 3.(1) Installation Documentation.

**STEP 2 READ THESE INSTRUCTIONS:**

Read these instruction sheet thoroughly. If you have any questions, please call your Lone Star Aviation representative for clarification.

**STEP 3 INSTALLATION:**

Attach the 16 gage white wire and ring terminal to the A+ terminal on the alternator. Attach alternator filter and clamp to the alternator body with the appropriate hardware designed for your specific alternator or generator. Align filter and torque to the hardware's specification.

**STEP 4 GROUND CHECK:**

Using a (DMM) Digital Multi-Meter, check to verify that the alternator filter clamp is grounded to aircraft chassis ground.

## NOTE:

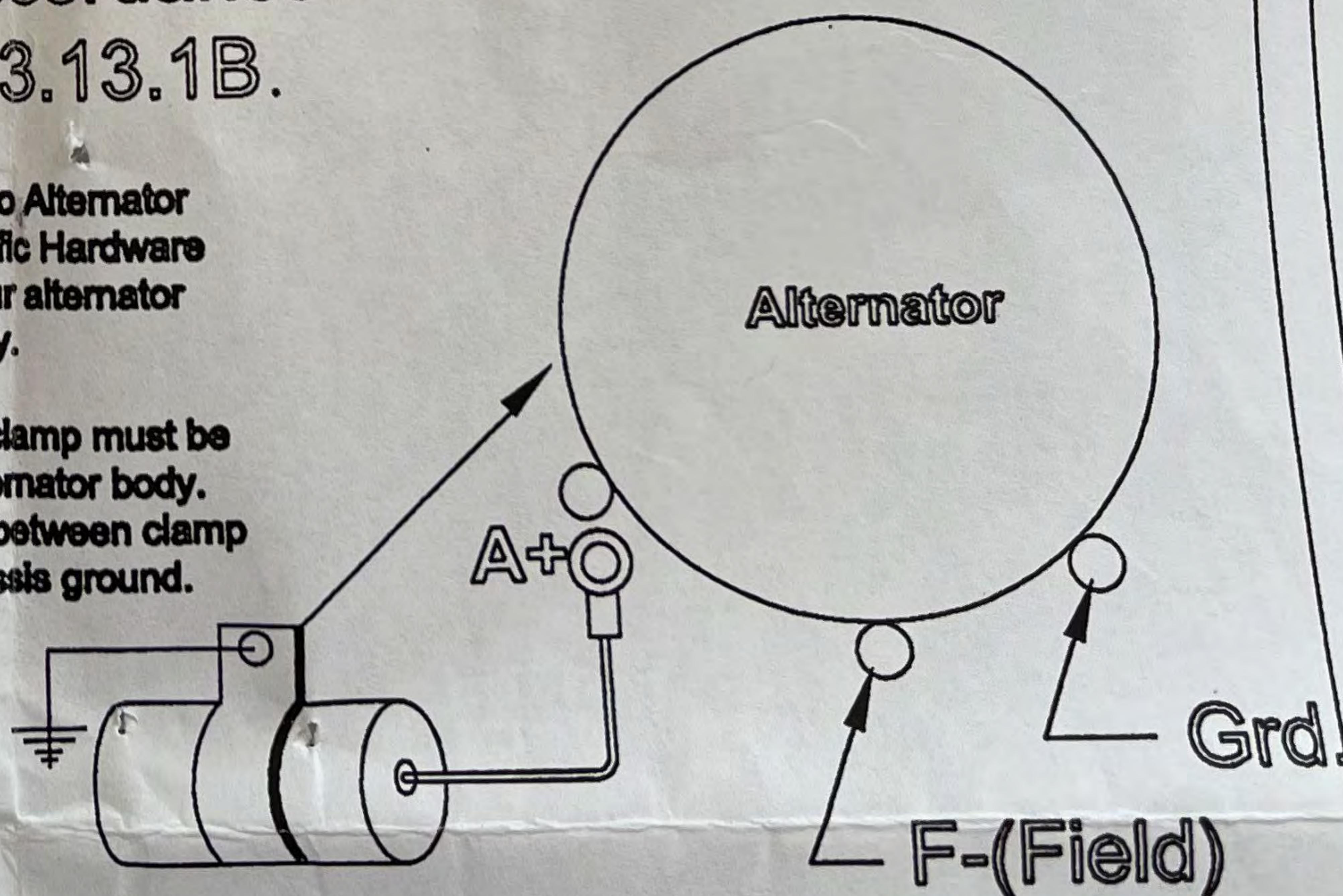
I. This part should be installed in accordance with CFR-14 PART 43 and AC 43.13.1B.

II. Approved for most major alternator and generator mfg.

III. FAA-PMA APPROVED  
RTCA-DO-160D TESTED

I. Mount Filter To Alternator Body. Use specific Hardware designed for your alternator or generator only.

Alternator filter clamp must be grounded to Alternator body. Test with DMM between clamp and aircraft chassis ground.



PROPRIETARY  
THIS DOCUMENT AND THE  
DATA DISCLOSED HEREWITH  
IS NOT TO BE REPRODUCED,  
USED, OR DISCLOSED IN  
WHOLE OR IN PART TO  
ANYONE WITHOUT WRITTEN  
AUTHORIZATION FROM  
LONE STAR AVIATION

|                      |          |
|----------------------|----------|
| APPROVALS            | DATE     |
| DRAWN BY<br>J. BANDY | 8/03/98  |
| APPROVED BY<br>RGS   | 12-16-02 |
| TEXT ASSY            |          |

**LONE STAR**  
AVIATION CORP.  
604 So. Wisteria Street  
Mansfield, Tx. 76063  
682-518-8882 ph  
682-518-8831 fax

TITLE ALTERNATOR FILTER  
INSTALLATION

|           |                              |                 |
|-----------|------------------------------|-----------------|
| SIZE<br>A | DRAWING NO.<br>LS03-01004-03 | REV-1           |
| SCALE     | COMP. FILE                   | SHEET<br>1 OF 1 |



Altimeter Test Data per FAR 91.411 IAW FAR 43 Appendix E Par B

On Altitude LLC. Repair Station | Work Order # 1384 | Date 02/21/2015

Tail Number N52802 | Position PILOT

Altimeter Mod/Type UNIVERSAL INST 5934PA-1 | Serial Number 3A266

| Table 1 |     |     | Table 2         |            |     |
|---------|-----|-----|-----------------|------------|-----|
| ALT     | TOL | IND | TEST            | TOL        | IND |
| -1,000  | 20  | 0   | CASE LEAK       | +/-100     | -89 |
| 0       | 20  | 0   |                 |            |     |
| 500     | 20  | -5  | HYSTERESIS TEST |            |     |
| 1,000   | 20  | -5  | 50% of Max ALT  | 75         | +30 |
| 1,500   | 25  | -10 | 40% of Max ALT  | 75         | 0   |
| 2,000   | 30  | -10 | AFTER EFFECT    | 30         | 0   |
| 3,000   | 30  | -10 |                 |            |     |
| 4,000   | 35  | -15 | TABLE 3         | TABLE 4    |     |
| 6,000   | 40  | -10 | FRICTION        | BARO SCALE |     |
| 8,000   | 60  | 0   | ALT             | TOL        | IND |
| 10,000  | 80  | +10 | 1,000           | 70         | -40 |
| 12,000  | 90  | +10 | 2,000           | 70         | -40 |
| 14,000  | 100 | +15 | 3,000           | 70         | -40 |
| 16,000  | 110 | +30 | 5,000           | 70         | -40 |
| 18,000  | 120 | +40 | 10,000          | 80         | -40 |
| 20,000  | 130 | +50 | 15,000          | 90         | -40 |
| 22,000  | 140 |     | 20,000          | 100        | -40 |
| 25,000  | 155 |     | 25,000          | 120        |     |
| 30,000  | 180 |     | 30,000          | 140        |     |
| 35,000  | 205 |     | 35,000          | 160        |     |
| 40,000  | 230 |     | 40,000          | 180        |     |
| 45,000  | 255 |     | 50,000          | 250        |     |
| 50,000  | 280 |     |                 |            |     |

On Altitude

Next Altimeter Certification Due 03/01/2017

This Altimeter in reference to the work performed is returned to service.

On Altitude LLC. Repair Station OQLR736Y | Date 02/21/15

Signed [Signature] 3330291

## MAINTENANCE RECORD

On Altitude LLC - Repair Station | Date 02/21/2015 | WO# 1384

OQLR736Y

N Number N52802 | Make CIESWA | Model 177RC

I certify that the **Static System checks** required by 14CFR FAR 91.411 have been performed this date and found to comply with FAR43 Appendix E, par. a.

Signed [Signature]

I certify that the **ATC Transponder Tests and Inspections** required by 14CFR FAR 91.413 have been performed this date and found to comply with Far 43 Appendix F.

Signed [Signature]

Transponder 1 602MEN | Serial 83701197

Transponder 2 602-327 | Serial —

I certify that the **Automatic Pressure Altitude Recording System Checks** required by 14CFR FAR91.217 and FAR91.411 have been performed this date and found to comply with FAR Appendix E, par. c.

Signed [Signature]

Encoder 1 TRANSCEL | Serial 47178

Encoder 2 SSD-120 | Serial —

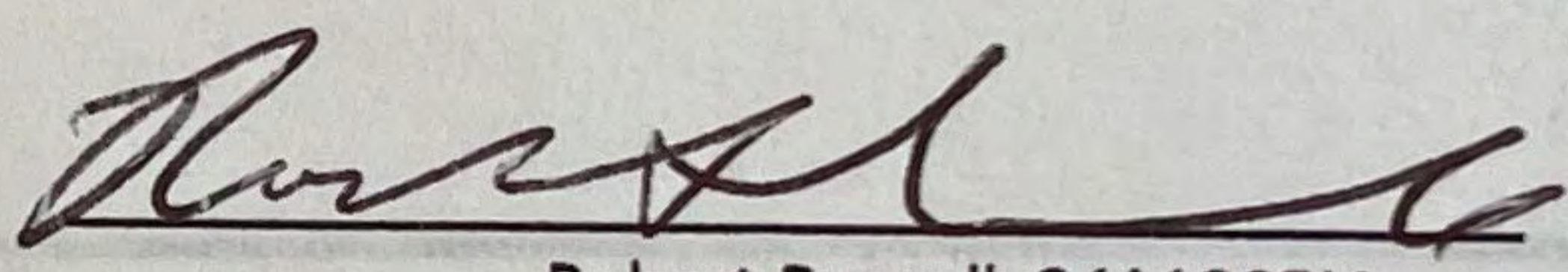
I certify that this aircraft/component has been inspected in accordance with current FAA regulations and is approved for return to service. Details of the repair are on file under this work order.

Signed [Signature]

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
NUMBER



# MAINTENANCE RECORD

| DATE       | TOTAL TIME<br>IN SERVICE<br>HOURS | 10THS | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE<br>NUMBER |
|------------|-----------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 03/02/2015 |                                   |       | <p><b>N53802 Tach 4199 TTAF 4199</b></p> <p>Replaced air filter element. Repaired right muffler support bracket. Replaced right cowl flap hinges. Cowl flap Lord mount bracket repaired. Replaced breather hose w/longer hose for better oil consumption. Replaced various tie wraps on engine mount w/Adel clamps. Repaired nose door cowl attach bracket. ELT checked per FAR91.207(d). C/W AD11-10-09, seats &amp; rails, visual &amp; dimensional check, due 100 hrs/annually. C/W AD11-26-04, injector lines &amp; supports, visual inspection, due 100 hrs. All routine items checked per inspection sheets. I certify that this airframe was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p style="text-align: center;"> <br/>                     Robert Russell 34118851A                 </p> |                                                     |
|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |
|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |
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|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |
|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |
|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |
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|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |
|            |                                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
NUMBER

MAINTENANCE RECORD



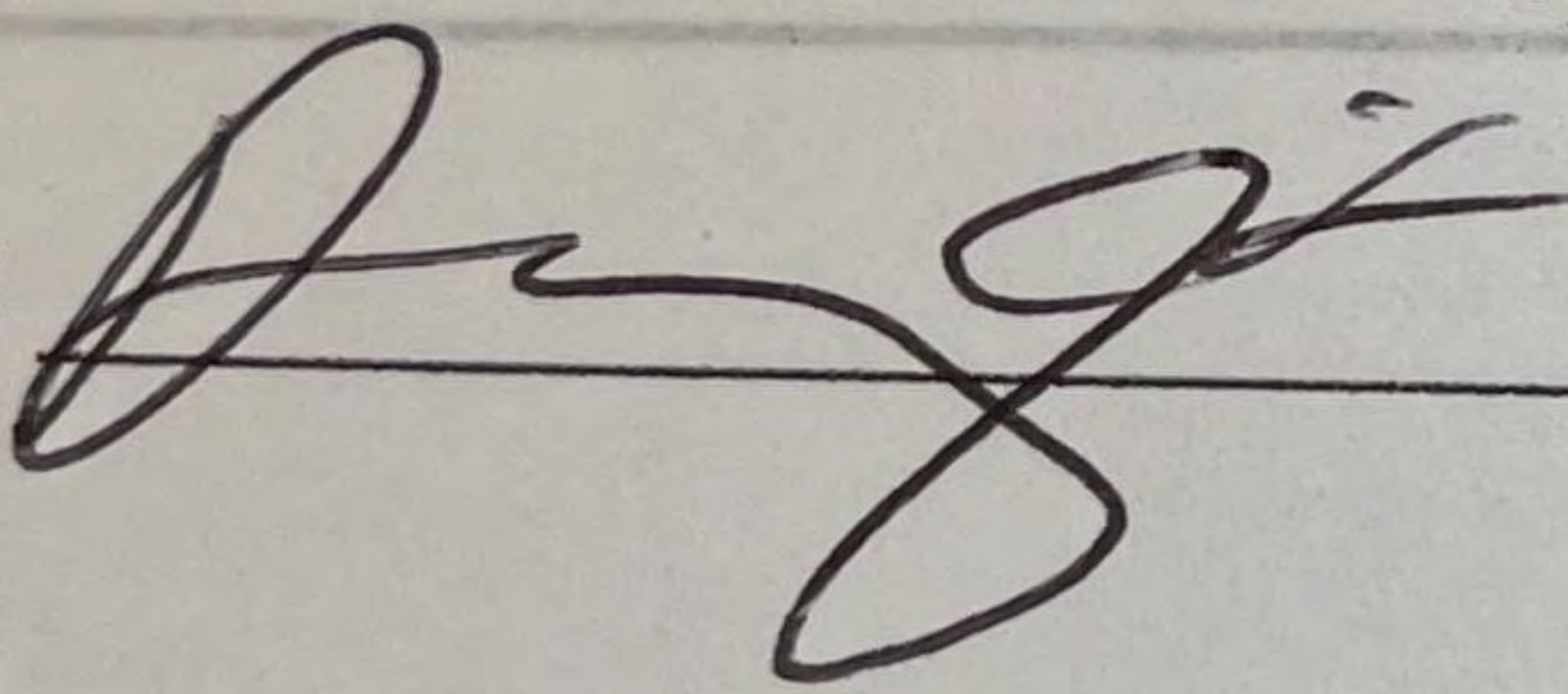
[illegible]

Straightened propeller control by adding washers to mounting bracket. Troubleshot erratic r/h fuel indication, found loose connection in wing root, repaired. Removed and reinstalled propeller due to overhaul. Replaced grommet on N/G door. Installed new hub seal. Ground run for performance and leak checks was satisfactory.



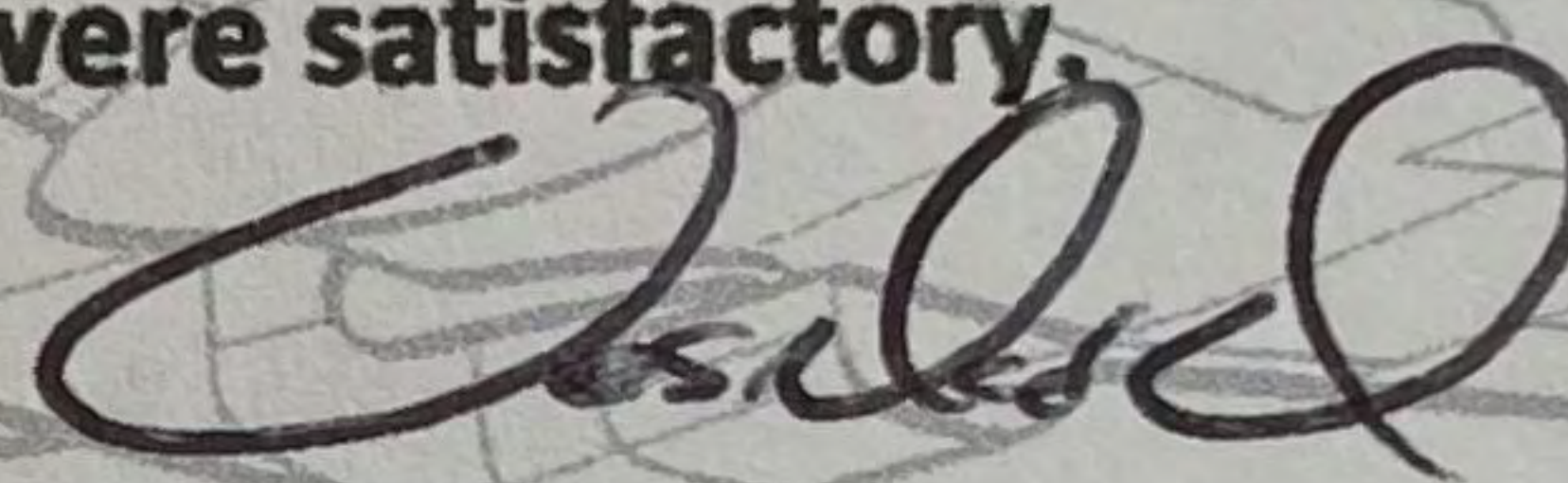


# MAINTENANCE RECORD

| DATE                                                                                                                                                                                                                                                                                   | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                    | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|                                                                                                                                                                                                                                                                                        | HOURS                 | 10THS |                                                                                                                      |                                                 |
| 07/13/2015                                                                                                                                                                                                                                                                             |                       |       | <p>Pensacola Aircraft Inspection and Repair<br/> 1601 E. Belmont St<br/> Pensacola, FL 32501<br/> (850) 532-8517</p> | N52802                                          |
| <p>Removed pilot and copilot sun visors and installed Rosen NSA sun visor system IAW STC# SA4964NM. Change in aircraft weight and balance is negligible IAW AC 43.13-1B Ch.10-2c. Copy of STC and FAA Form 337 filed in aircraft records and a copy was sent to the Administrator.</p> |                       |       |                                                                                                                      |                                                 |
| <p>Signature &amp; Cert: <u></u> <u>AP 3687225</u> Date: <u>7/13/15</u></p>                                                                                                                        |                       |       |                                                                                                                      |                                                 |
|                                                                                                                                                                                                                                                                                        |                       |       |                                                                                                                      |                                                 |
|                                                                                                                                                                                                                                                                                        |                       |       |                                                                                                                      |                                                 |
|                                                                                                                                                                                                                                                                                        |                       |       |                                                                                                                      |                                                 |



## MAINTENANCE RECORD

| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|------|-----------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
|      |                       |       | <div> <div>07/16/2015      N52802      Aircraft Log      Tach: 4262.0</div> <div>Removed original exhaust system. Installed Power Flow Systems, Inc. tuned exhaust system in accordance with STC # SA03623AT. Performed ground run, ground checks were satisfactory.</div> <div> <br/> Wes Godbold    A&amp;P3601697 </div> <div>  </div> </div> |                                                 |

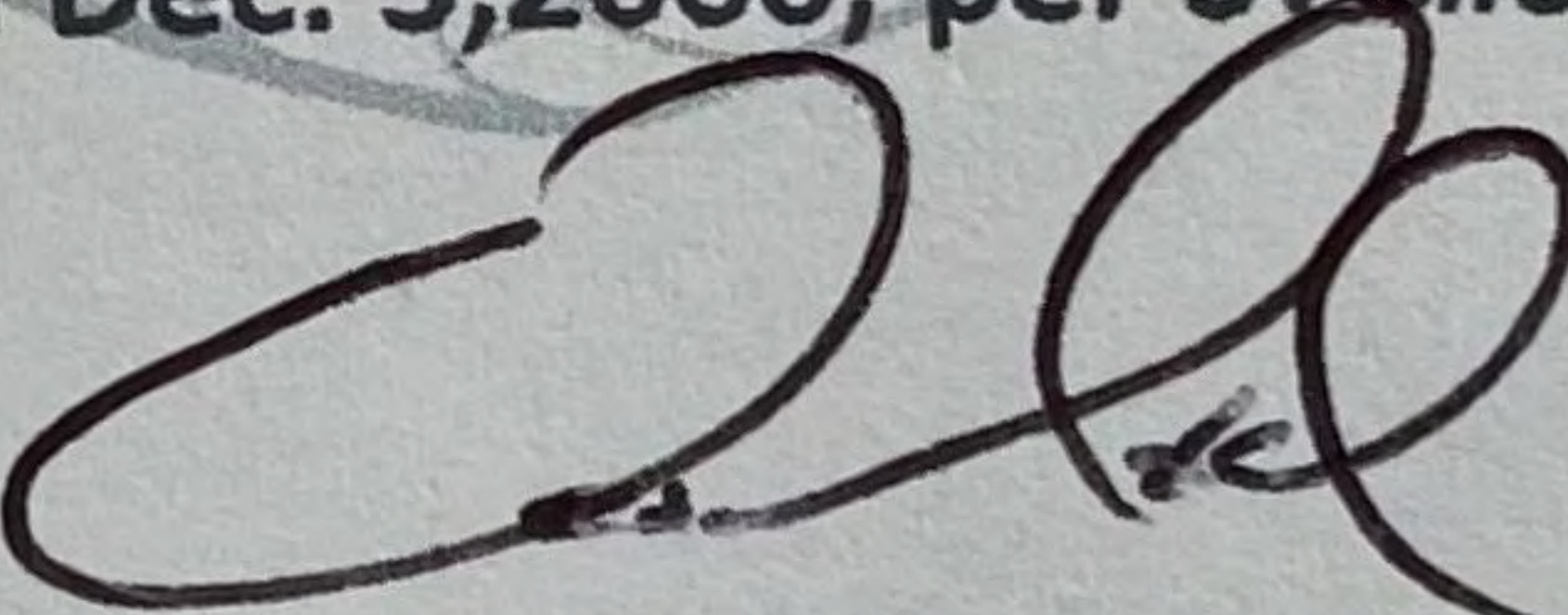


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|------|-----------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |
|      |                       |       | <div> <div>11/10/2015    N52802    Tach: 4331.6    Aircraft Log Entry</div> <div> <p>Removed Bracket air filter assembly. Installed Challenger Aviation Products, Inc. re-useable air filter assembly IAW STC SA01669CH. Installed Maple Leaf Aviation exhaust fairing part# EP5001-001, serial# W0915738 IAW STC SA01386NY. See form 337's for details. C/W Lycoming SB621, fuel pump not affected.</p> <p><i>[Signature]</i><br/>Bryant Hamm A&amp;P3508729</p> <div>  <div> <div>Coastal Aircraft Services, Inc.</div> <div>Gulf Shores, AL</div> </div> </div> </div> </div> |                                                 |

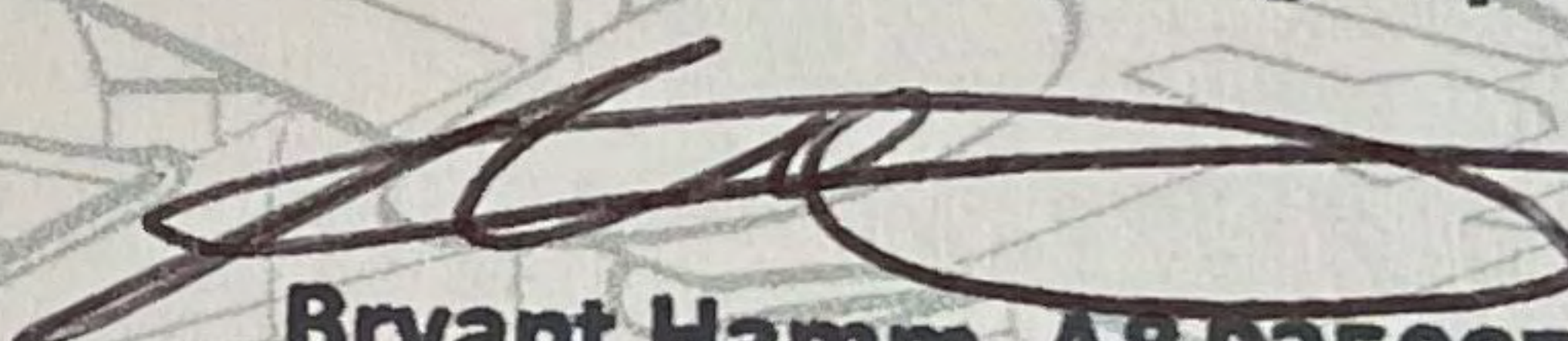


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|------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|      | HOURS                    | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                      |
|      |                          |       | <div> <div>11/10/2015    N52802    Tach: 4331.6    Aircraft Log Entry</div> <div> <p>Removed original Cessna wingtips. Installed Roy Sobchuk designed tapered wingtips IAW field approval dated Oct. 14,2015. Removed original Cessna tailcone, replaced with Maple Leaf Aviation assembly part# TCA-177-003 IAW STC No. SA98-13 and drawing # MLA1013-INS. Installed vortex generators on the wings and tail surfaces IAW drawing package MA2162, Rev. IR, dated Nov. 1, 2001, and installation manual MA2163, Rev. IR, dated Dec. 3,2000, per STC#SA01033SE. See form 337's for details.</p> <div>  <div>Wes Godbold    A&amp;P3601697</div> </div> </div> <div>  <div>Coastal Aircraft Services, Inc.</div> <div>Gulf Shores, AL</div> </div> </div> |                                                      |



## MAINTENANCE RECORD

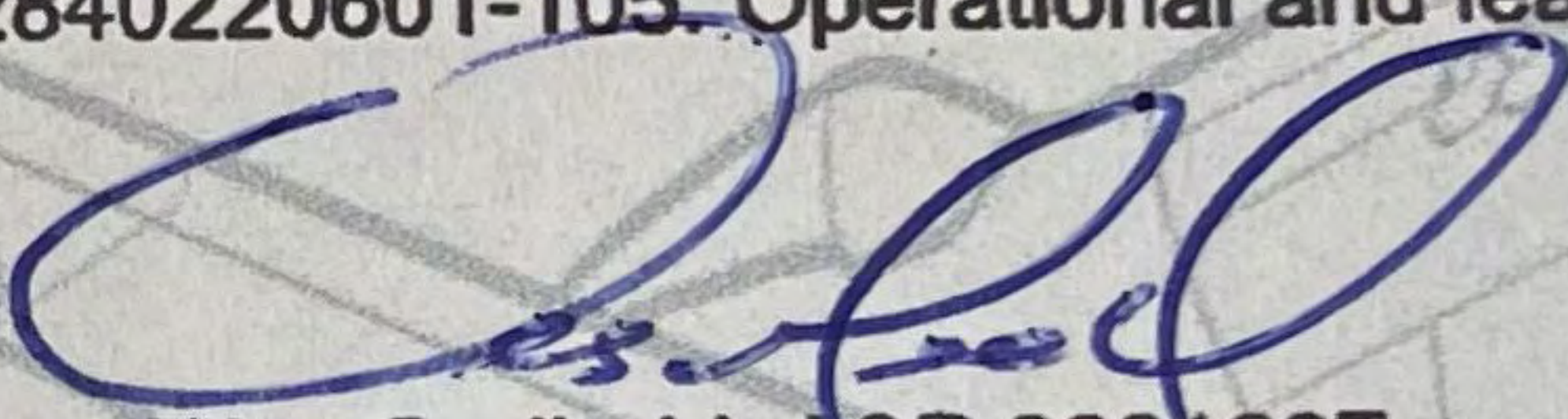
| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                       | AUTHORIZED SIGNATURE<br>CERTIFICATE TYPE<br>& NUMBER |
|------|-----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                      |
|      |                       |       | <div> <div> 11/10/2015 N52802 Tach: 4331.6 Aircraft Log </div> <div> Replaced Nav/Strobe wing tip assy's with new part# WEA650PG28 on right wing and part# WEA650PR28 on left wing. Operational checks satisfactory. </div> <div>  <br/>Bryant Hamm A&amp;P3508729 </div> <div>  </div> </div> |                                                      |



CHANGING THE  
WORLD OF CHINA

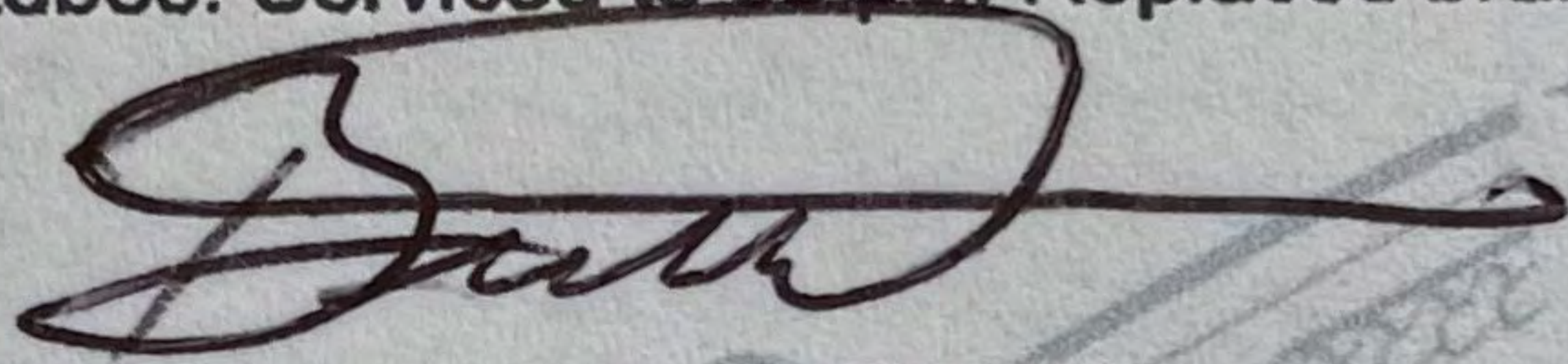
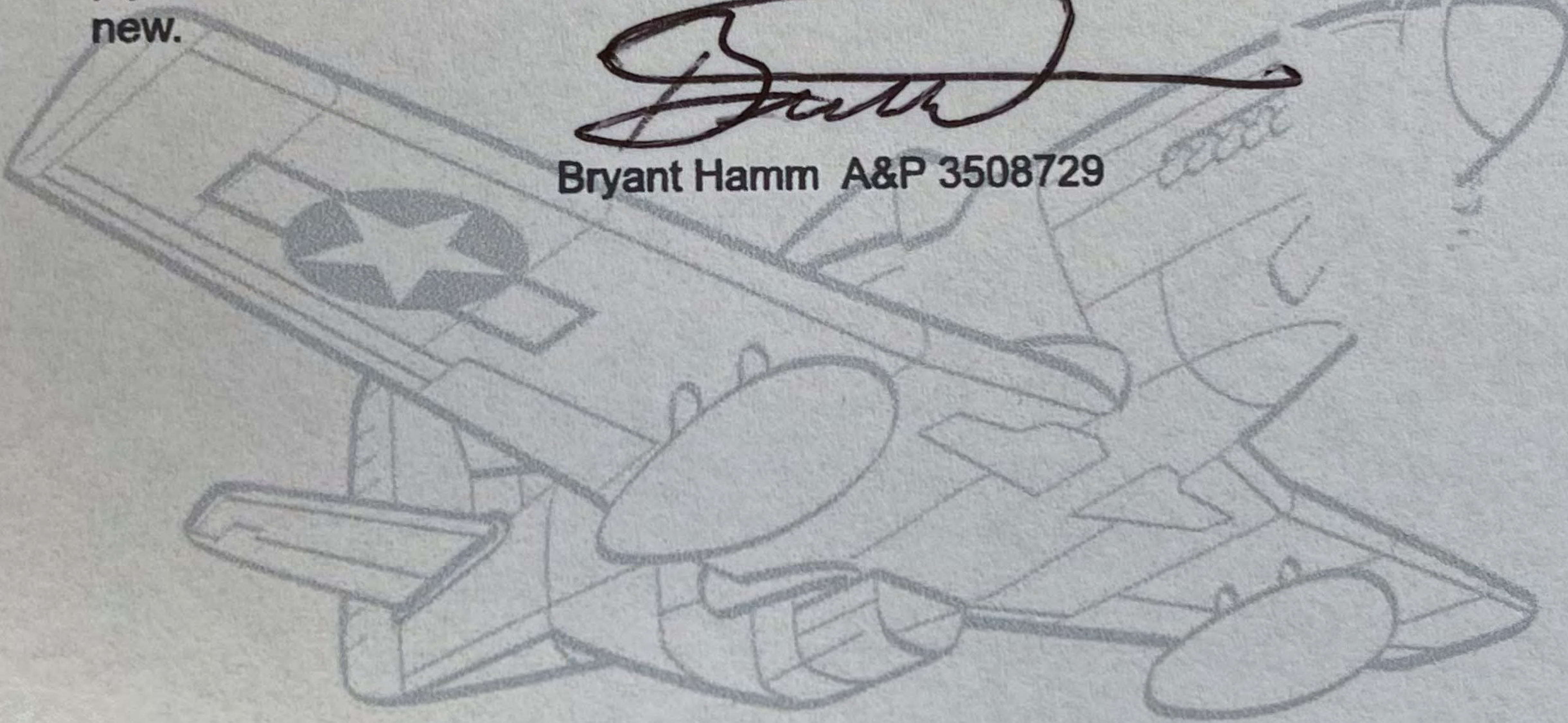


## MAINTENANCE RECORD

| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AUTHORIZED SIGNATURE<br>CERTIFICATE TYPE<br>& NUMBER |
|------|-----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                      |
|      |                       |       | <div style="border: 1px solid black; padding: 10px; margin: 10px;"> <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <span>02/16/2016</span> <span>N52802</span> <span>177RG1274</span> <span>Tach: 4387.4</span> <span>Aircraft Log</span> </div> <p>Removed existing JP Instruments Temperature Indicator System P/N: EGT-701 S/N: 7690. Installed JP Instruments Primary Engine Data Management System EDM-930 P/N: 790000-C-844 S/N: 5482 in accordance with Report No. 908 Rev J Dated 5-24-14 under STC number SA1435SE. Replaced fuel senders with (2) new P/N: CC2840220601-105. Operational and leak checks satisfactory.</p> <div style="text-align: center; margin: 10px 0;"> <br/> Wes Godbold A&amp;P 3601697 </div> <div style="text-align: center; margin-top: 20px;">  </div> </div> |                                                      |

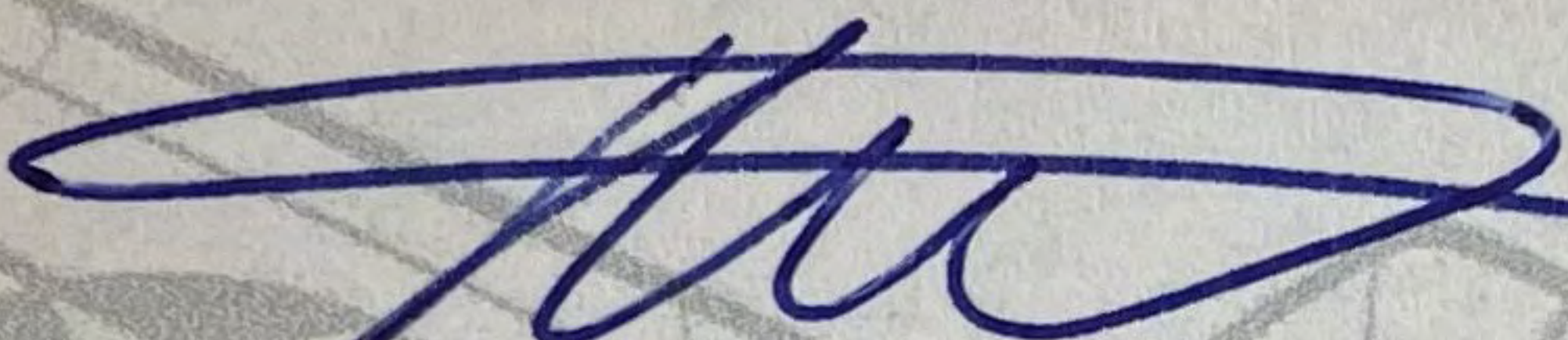


## MAINTENANCE RECORD

| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|------|-----------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                 |
|      |                       |       | <div style="background-color: black; height: 15px; width: 100%;"></div> <p>02/16/2016   N52802   177RG1274   Tach: 4387.4   Aircraft Log</p> <p>Replaced main tires and tubes with new Goodyear FLT Custom III 15x6.0x6 6 ply tires and butyl inner tubes. Serviced to 68 psi. Replaced brake linings with new.</p> <div style="text-align: center;"> <br/>             Bryant Hamm A&amp;P 3508729         </div> <div style="text-align: center;">  </div> <div style="background-color: black; color: white; padding: 10px; text-align: center;">  <b>Coastal Aircraft Services, Inc.</b><br/> <small>Gulf Shores, AL</small> </div> |                                                 |



# MAINTENANCE RECORD

| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|------|-----------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
|      |                       |       | <div style="background-color: black; height: 15px; width: 100%;"></div> <p>02/25/16 N52802 Engine Log Tach: 4390.1</p> <p>Replaced spark plugs with 8 new URHM38E. Secured mixture control. Ground checks on engine were satisfactory.</p> <div style="text-align: center;"> <br/> <b>Bryant Hamm A&amp;P3508729</b> </div> <div style="text-align: center;">  </div> <div style="background-color: black; color: red; padding: 5px; text-align: center;">  <b>Coastal Aircraft Services, Inc.</b><br/> <small>Gulf Shores, AL</small> </div> |                                                 |





KRUQ- Rowan County Airport  
3680 Airport Loop Rd  
Salisbury, NC 28147  
(704) 310-1421

**Make: Cessna**  
**Date: 3-7-2016**

**N52802**  
**Model: 177RG**

**SN: 177RG1274**  
**Tach: 4404.9/ Hobbs: 2084.8**

**Oil change due. Drained oil, serviced with 7 quarts of Phillips 20W50 oil and Ch48103-1 oil filter. Ground ran no faults noted.//////////END//////////**

Michael S Doud A&P 304660342 IA

A handwritten signature in dark ink, appearing to read "Michael S Doud". The signature is written over the printed name and extends across the right side of the maintenance record card.

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

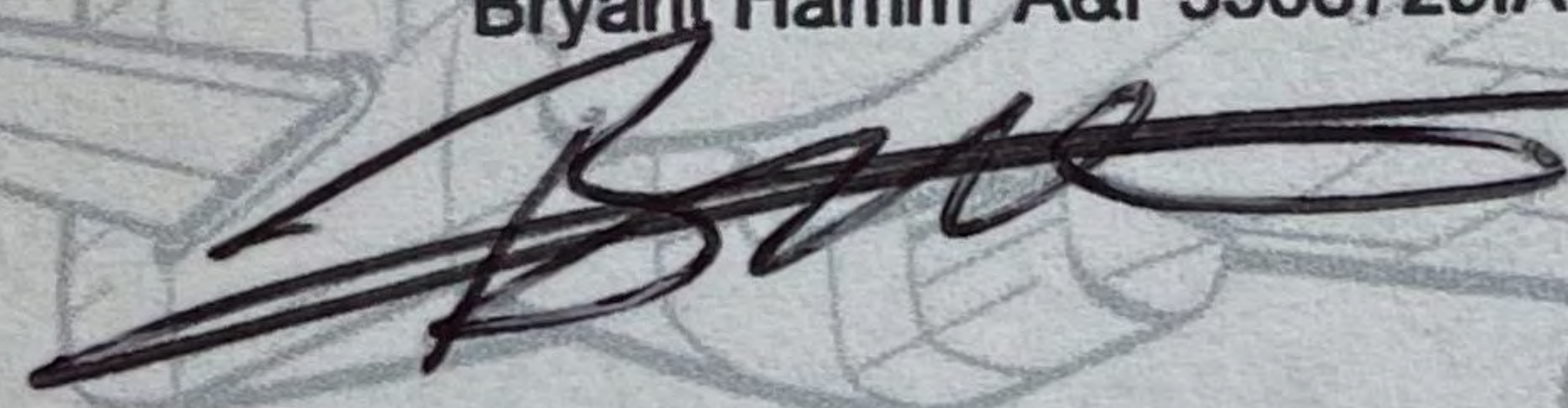


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**AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER**



## MAINTENANCE RECORD

| DATE | TOTAL TIME<br>IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE<br>& NUMBER |
|------|--------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|      | HOURS                    | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |
|      |                          |       | <div style="background-color: black; height: 15px; width: 100%; margin-bottom: 5px;"></div> <p>03/11/2016 N52802 Tach: 4409.0 AFTT: 4409.0 ETT: 4409.ETSO2108.0<br/>PTT: 4409.0 PTSO: 155.2</p> <p>Performed an annual inspection IAW FAR 43 Appendix D. Replaced vacuum system filters with new. Replaced ELT battery next due May 2018, C/W ELT inspection as required by FAR 91.207 (d). C/W AD 2011-10-09 by inspection of seats and seat rails with no defects, next due in 100 hrs or Annual. C/W AD 2011-26-04 by inspector fuel injector lines and supports with no defects, next due in 100 hrs or Annual. Landing gear cycles to include emergency extension was satisfactory with no defects. Lubricated aircraft. All ground checks on aircraft were satisfactory.</p> <p>I certify that this aircraft has been inspected in accordance with an Annual Inspection and is determined to be in an airworthy condition at this time.</p> <p style="text-align: center;">Bryant Hamm A&amp;P3508729IA</p> <div style="text-align: center;">  </div> <div style="text-align: center; margin-top: 20px;">  </div> |                                                       |
|      |                          |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                       |
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low N52802



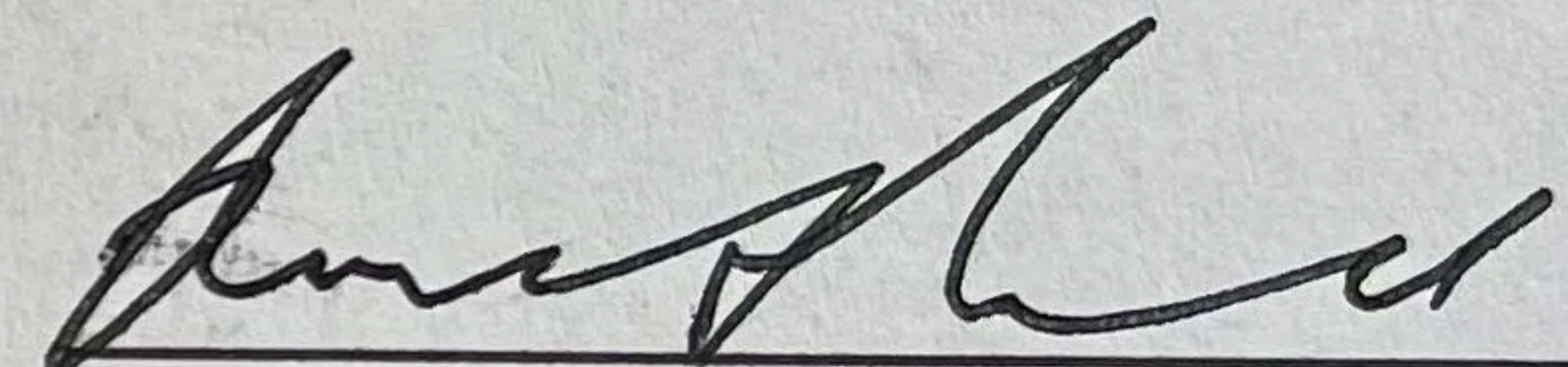
# MAINTENANCE RECORD

| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|------|-----------------------|-------|-----------------------------------|-------------------------------------------------|
|      | HOURS                 | 10THS |                                   |                                                 |

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

06/22/2016 N52802

Replaced main gear actuator o-rings & pressure tested to 1500 psi. No leaks noted.



Robert Russell 3411885IA

ACR ELECTRONICS, Inc.  
Artex Products - CAGE Code 18560  
Fort Lauderdale, FL 33312

LOG BOOK ENTRY 7/22/2016

E.L.T. BATTERY  
REPLACEMENT DATE 7/22/2022



# MAINTENANCE RECORD

DATE

HO

JULY 22, 2016 LOG BOOK ENTRY N52802 HOBBS: 4425.1 WORK ORDER # 5990

*WE THINK TACH TONE*

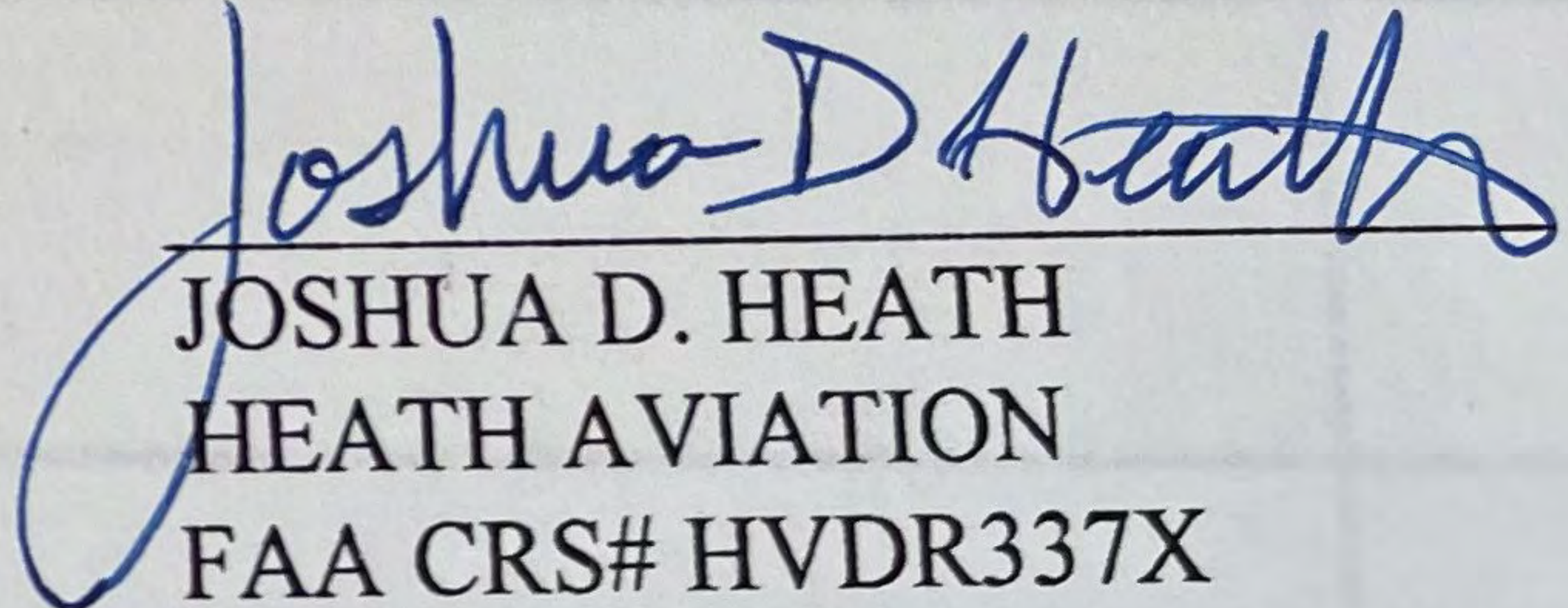
REMOVED: GTX327; PMA 7000; KX155; KN 64; WX-900; 55-D120-XXA; 1U262-006-45; GI106-A; VSI; ST20; KI208; CLOCK; TACH; AIRSPEED; ALTIMETER; SUCTION GAUGE; ATT. GYRO; GNS 430W; ST901; GA 35 ANTENNA S/N 27690

INSTALLED: GTN750 P/N 011-02282-00, S/N 1ZA018163; GTN750 P/N 011-02282-00, S/N 1ZA018341; GMA35C P/N 010-00831-41, S/N 1T6200311; GAD43E P/N 010-00852-02 S/N 1V7050793; GMU44 P/N 010-00296-00, S/N 47525348; GRS77 P/N 010-00295-10 S/N 42033248; GDC74A P/N 011-0882-10, S/N 20622671; GDU620 P/N 011-01264-50, S/N 165204836; GDL69A P/N 011-03177-10 S/N 3NV000902; GTX345 P/N 010-01216-01 S/N 3EG001227; GTX335 STANDARD P/N 010-01214-01 S/N 3EE000603; FLS210 P/N 010-01191-41, S/N 3RE005096; ASPEN EFD1000 P/N 910-00001-007 S/N 23135; ARTEX ELT 345- WITH 6 YR. BATTERY P/N 8102, S/N 267-01256; RAMI AV74; CONFIGURATION MODULE P/N 920-00004-018, S/N 18618; ASPEN ACU P/N 910-00004-001, S/N 15884; EBB-58 P/N 413-00002-001, S/N 1758; RSM P/N 910-00003-001, S/N 201586; MD41-248 RELAY S/N 014-10171; ASTRON VOLTAGE CONV P/N N2412-24, S/N 2013050808; LAMAR SOLENOID 24V P/N X61-0029, 2 C1 121 ANTENNAS P/N 2143209770, S/N 495048 AND S/N 504124;

CONTINUED ON PAGE 2



# MAINTENANCE RECORD

| DATE          | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE<br>& NUMBER |
|---------------|-----------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|               | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |
| PAGE 2        |                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |
| JULY 22, 2016 |                       |       | LOG BOOK ENTRY N52802 HOBBS: 4425.1 WORK ORDER # 5990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |
|               |                       |       | ST-878 55/55X SYSTEM ROLL SERVO P/N 0106-R2 S/N 00106-1614-30480CEFGJ; PITCH SERVO P/N 0108-P5, S/N 00108-1614-21811CDEFGJK; OBSOLUTE PRESSURE TRANSDUCER P/N 0111 S/N 00111-1611-45612AA; PRGMR/CMPTR 14/28 55/55X P/N 01192-1-3T S/N 01192-1614-16570; CABLE ASSY CABLE 2 SYS 55 P/N 39122-2 S/N 14468-50; CABLE ASSY SYS 55/55X P/N 39123-38 S/N CABLE-1615-10904; TURN COORD. P/N 6405-28L S/N M15-17763; TRIM SERVO P/N 0106-T9 S/N 00106-1614-30481CEFGJ; CABLE ASSY TRIM SERVO P/N 39129-324 S/N CABLE-1615-10905; CABLE ASSY TRIM SYS 55 P/N 39130-48 S/N 14375-8. GA37 ANTENNA P/N 013-00245-00 S/N 13814; GA35 ANTENNA P/N 013-00235-00, S/N 124410; GTP 59 OAT PROBE KIT P/N: 011-00978-00 S/N: 47932869; VERTICAL CARD COMPASS P/N 10-00423, S/N 88221<br>REMOVED CYLINDER P/N 2041007-2, S/N 1643, SENT TO AVIATION PLUS FOR REPAIR, REINSTALLED. TESTED FOR FUNCTIONALITY, RETURNED AIRCRAFT TO SERVICE.<br>PERFORMED 14 CFR 91.411/91.413 |                                                       |
|               |                       |       | NEW EMPTY WEIGHT: 2077.00<br>NEW EMPTY WEIGHT CG: 102.74<br>NEW USEFUL LOAD: 723.00<br>NEW MOMENT: 213390.38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       |
|               |                       |       | <br>JOSHUA D. HEATH<br>HEATH AVIATION<br>FAA CRS# HVDR337X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |



## MAINTENANCE RECORD

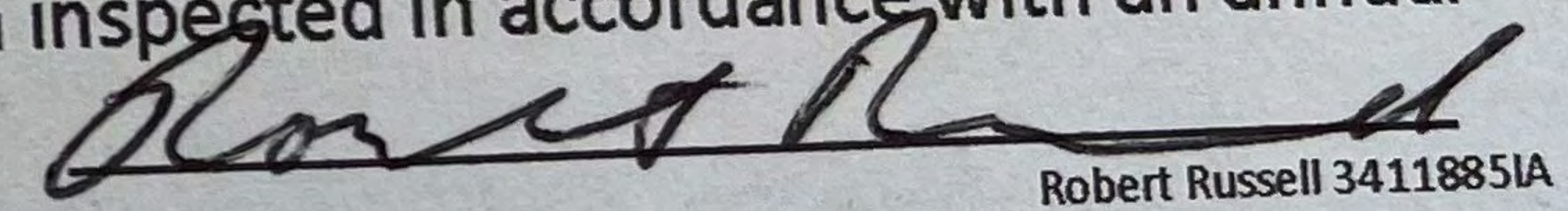
| DATE | TOTAL TIME<br>IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE<br>& NUMBER |
|------|--------------------------|-------|-----------------------------------|-------------------------------------------------------|
|      | HOURS                    | 10THS |                                   |                                                       |

**Aviation Plus LLC**

262-656-1260

Aviationplusllc.com

**07/27/2016 N52802 Tach 4432 TTAF 4432 We believe tach and hobbs times were switched on JPI**  
 Service Challenger airfilter per ICA, due 100hrs/annually/or replacement at 25 cleanings. Reinstalled Power flow exhaust  
 system after inspection and lube per ICA, due 500hrs/annually. Repaired alternate air door spring. Replaced one cowl shock  
 mount. Redrove nosebowl rivets. Replaced nose downlock bumper pad. Replaced o-ring in left brake caliper. Installed Prop  
 Guard anti-abrasion tape. Repaired taxi/landing light wires in cowl. Replaced pilot's door handle with new handle. ELT  
 checked per FAR91.207(d). ELT failed test, ELT was removed and panel placarded for 90 days. C/W AD11-10-09, seats & rails,  
 visual & physical inspection, due 100 hrs/annually. C/W AD15-19-07, injector lines & supports, visual inspection, due 100 hrs.  
 All routine items checked per inspections sheets. I certify this airframe has been inspected in accordance with an annual  
 inspection and was determined to be in an airworthy condition.

  
 Robert Russell 3411885IA



# MAINTENANCE RECORD

| DATE               | TOTAL TIME     | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | AUTHORIZED SIGNATURE,<br>PE |
|--------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| SEPTEMBER 30, 2016 | LOG BOOK ENTRY | HOBBS 4468.5 TACH 589.5 WORK ORDER #6094                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                             |
|                    |                | EXCHANGED FAULTY ASPEN EFD1000 P/N 910-00001-007, S/N 21275 WITH ASPEN EFD1000 P/N 910-00001-007, S/N 23562;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |
|                    |                | EXCHANGED FAULTY FLIGHT STREAM 210 P/N 011-03257-40, S/N 3RE0050096 WITH FLIGHT STREAM 210 P/N 011-03257-40, S/N 3RE003107;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |
|                    |                | ADDED NEW SOFTWARE REVISION IN FAULTY EDM 930 S/N 05482 , TESTED EQUIPMENT FOR PROPER FUNCTIONALITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |
|                    |                | RETURNED AIRCRAFT TO SERVICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                             |
|                    |                | REMOVED: ASPEN ACU P/N 910-00004-001, S/N 15884                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                             |
|                    |                | INSTALLED: ASPEN ACU II P/N 910-00004-101, S/N 1692; GARMIN GRA55 RADAR ALTIMETER SYSTEM P/N 010-00946-05, S/N 3RC005211; 2 RADAR ALT. ANTENNAS P/N 567-2002, S/N 543-80066 S/N 543-80057; ALPHA SYSTEMS AOA- ANGLE OF ATTACK SYSTEM WITH COMPONENTS AND AOA ALTERNATOR DSTR-AOA-9075K P/N AOA14433-05, S/N 021040; CYCLONE-21-3 PORT AVIONICS FAN S/N 003-005705; EFD1000 SYNTHETIC VISION ENABLE KIT P/N 91113-00006-001, NO S/N; EFD PFD & EBD AOA UNLOCK KIT P/N 903-00016-001, NO S/N; GARMIN ADS-B PFD PRO UNLOCK KIT P/N 913-00017-001, NO S/N; USB 2.0 MALE TO MINI-5 FEMALE USB ADAPTER P/N X000EZ4G93, NO S/N; FLIGHT STREAM 510 SOFTWARE |                             |



# MAINTENANCE RECORD

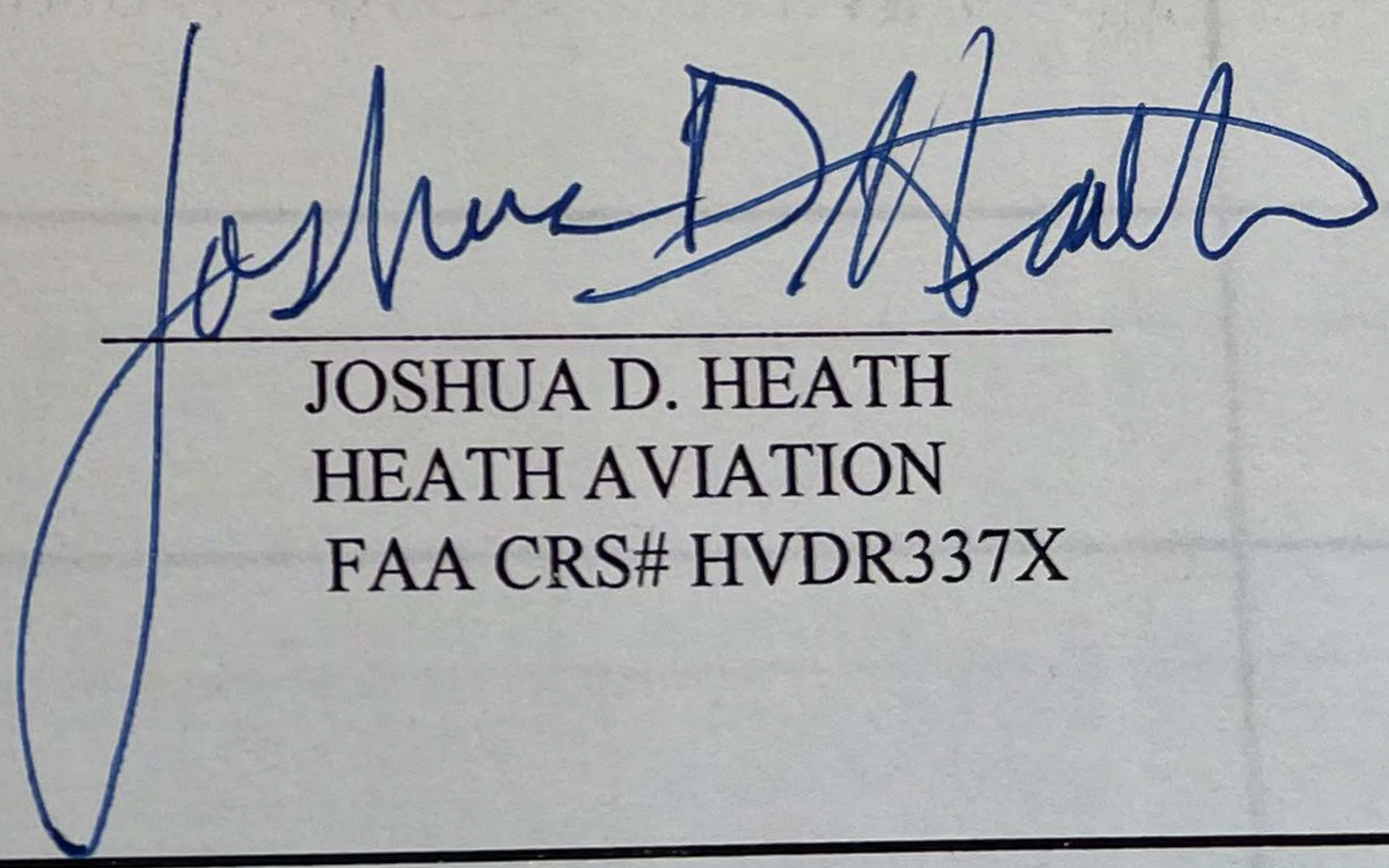
| DATE | TOTAL TIME<br>IN SERVICE | DESCRIPTION OF THE WORK PERFORMED | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE |
|------|--------------------------|-----------------------------------|-------------------------------------------|
|------|--------------------------|-----------------------------------|-------------------------------------------|

DECEMBER 02, 2016 LOG BOOK ENTRY HOBBS 4534.0 TACH 647.4 WORK ORDER #6094-2

EXCHANGED FAULTY ASPEN EFD1000 P/N 910-00001-007, S/N 23562 WITH ASPEN EFD1000 P/N 910-00001-007, S/N 24063;  
TESTED EQUIPMENT FOR PROPER FUNCTIONALITY  
RETURNED AIRCRAFT TO SERVICE  
INSTALLED FLIGHT STREAM 510 402001179, S/N 402001179

REWEIGHED AIRPLANE

NEW EMPTY WEIGHT: 1,970.00  
NEW EMPTY WEIGHT CG: 99.58  
NEW USEFUL LOAD: 830.00  
NEW MOMENT: 196,172.6

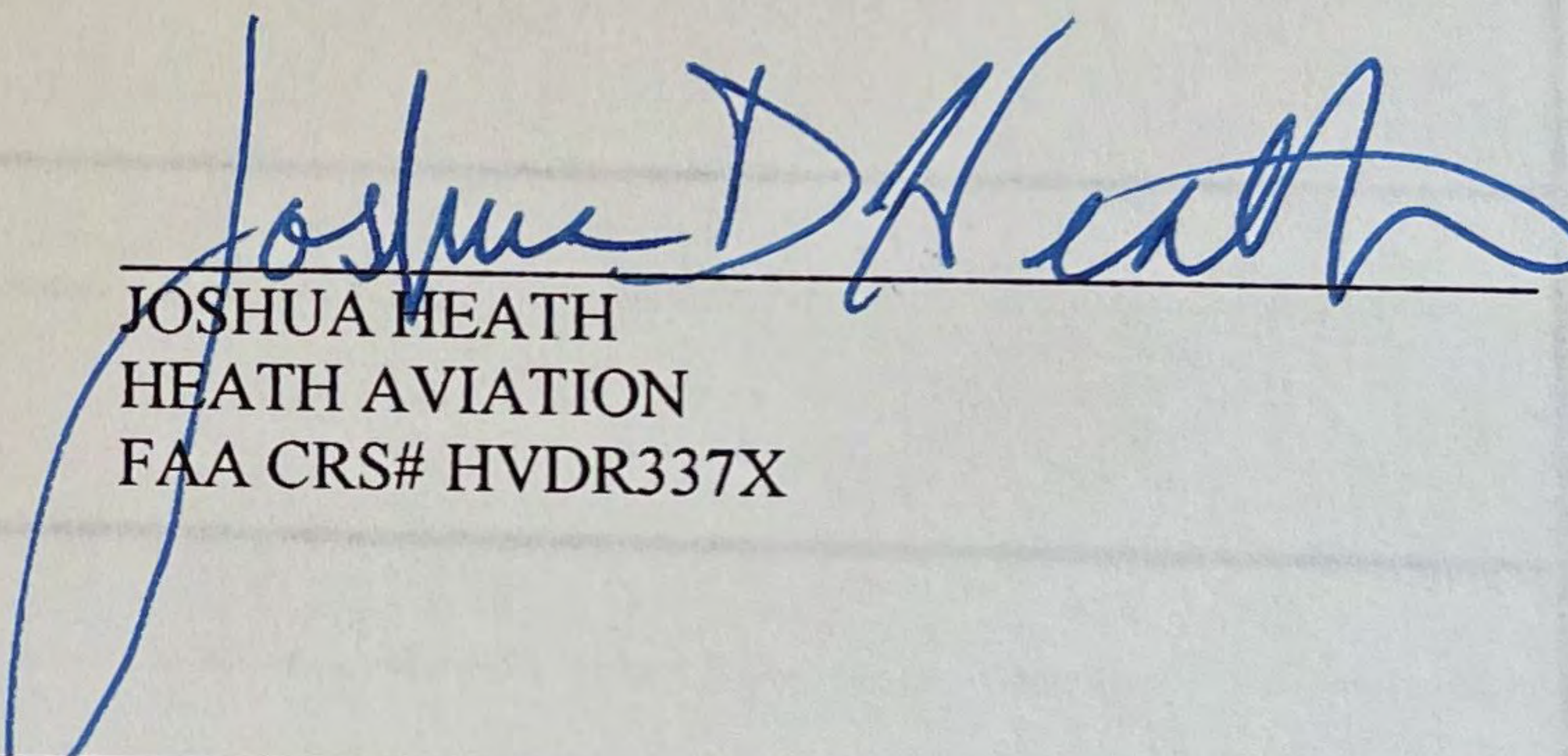
  
JOSHUA D. HEATH  
HEATH AVIATION  
FAA CRS# HVDR337X



DA FEBRUARY 09, 2017 **LOG BOOK ENTRY** N52802 TT: 677.4 WO# 6214

INSTALLED A NEW GROUND WIRE FOR EDM 930. MOVED COMPASS FROM INSTRUMENT PANEL TO AN OVERHEAD MOUNT.

WEIGHT AND BALANCE CHANGE NEGLIGIBLE

  
JOSHUA HEATH  
HEATH AVIATION  
FAA CRS# HVDR337X

SIGNATURE,  
E TYPE  
ER

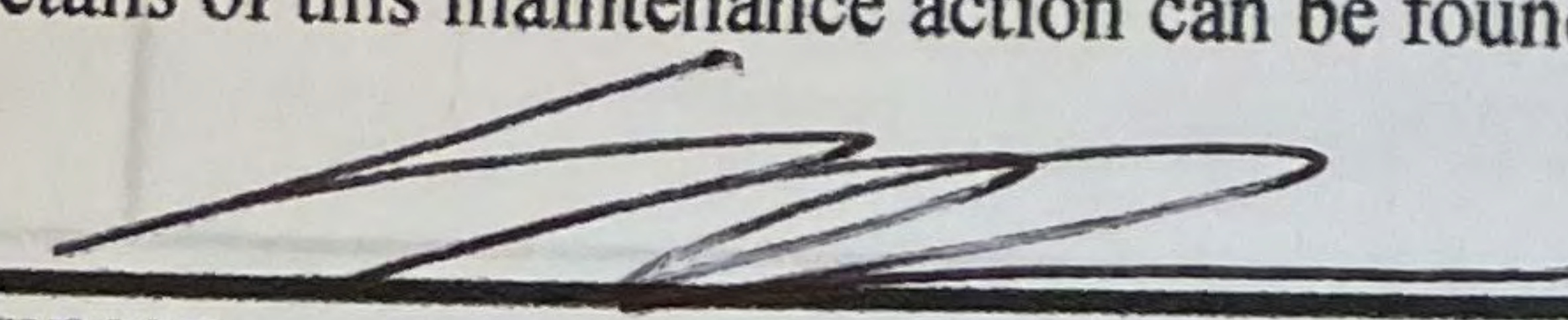


4141 Jerry Maygarden Rd  
Pensacola, FL 32504  
850-433-6116

02/02/2017 N52802 - Cessna 177RG S/N: 177RG1274 TACH: unk AFTT: Unk

- 1-Replaced aircraft battery with new customer supplied Concord seal battery p/n RG24-16, s/n 40812476
- 2-Found lower RH cowl mount broken - replaced with new p/n J-7444-14

I certify this article has been repaired and inspected IAW Cessna & Lycoming MM and CFRs and has been determined to be in airworthy condition in regards to the work performed. Pertinent details of this maintenance action can be found under W/O 03317-4.

  
Suzanne Duncan  
3570169 A&P



**Suzanne Duncan**  
**3570169 A&P**

ORIZED SIGNATURE,  
RTIFICATE TYPE  
& NUMBER

DATE \_\_\_\_\_

**02/02/2017   N52802 - Cessna 177RG   S/N: 177RG1274   TACH: unk   AFTT: Unk**

- 1-Drained and replenished engine oil with 6 qts of Phillips XC20W50 engine oil
- 2-Replaced engine oil filter with new p/n CH48103-1
- 3-Removed, cleaned & reinstalled oil finger screen with new gasket p/n 06E19769-1.00 - ops & leak checked good
- 4-Old oil filter was cut opened and inspected - no defects noted
- 5-Post maintenance engine run proved good with no leaks or other defects noted

I certify this article has been repaired and inspected IAW Cessna & Lycoming MM and CFRs and has been determined to be in airworthy condition in regards to the work performed. Pertinent details of this maintenance action can be found under W/O 03317-4.

**Suzanne Duncan**  
**3570169 A&P**

|  |  |  |  |  |
|--|--|--|--|--|
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|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |



DATE  
TOTAL  
IN SERVICE  
HOURS



4141 Jerry Maygarden Rd  
Pensacola, FL 32504  
850-433-6116

SIGNATURE,  
TE TYPE  
BER

02/24/2017 N52802 - Cessna 177RG S/N: 177RG1274 TACH: unk AFTT: Unk

- 1-Started engine and taxi'd aircraft to south end of ramp
- 2-Turned on taxi, landing, nav lights and master avionics
- 3-Increased engine rpm to 1800 rpm
- 4-Swung compass using IFR certified GPS for cardinal headings
- 5-Swung major cardinals 360 & 180 - split difference bewteen N&S headings evenly
- 6-Swung major cardinals 090 & 270 - split difference between W&E headings evenly
- 7-Verified all other heading indications were no more than 5 degrees off from cardinal headings
- 8-360=356, 030=025, 060=056, 120=118, 150=148, 180=176, 210=206, 240=236, 270=266, 300=296, 330=326
- 9-Verified installation of compass was IAW AC43-13-1B

I certify this article has been repaired and inspected IAW Cessna MM, AC43-13-1B Section 3 and CFRs and has been determined to be in airworthy condition in regards to the work performed. Pertinent details of this maintenance action can be found under W/O 05517-4.

Ron Dunn  
2796307 A&P



DATE

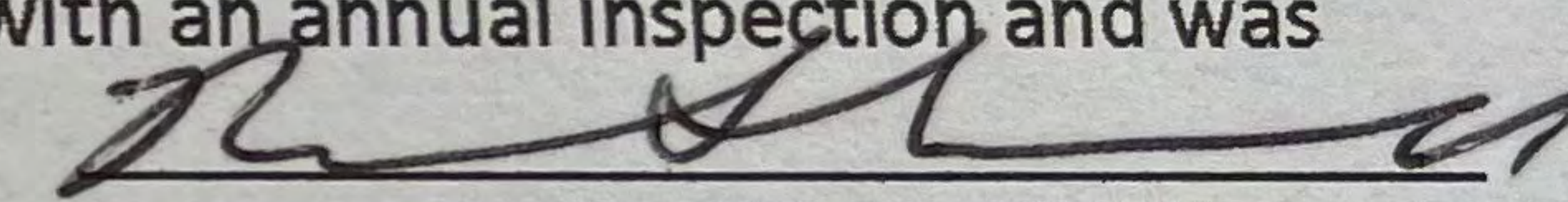
Aviation Plus LLC

262-656-1260

Aviationplusllc.com

07/28/2017 N52802 Tach 4700 TTAF 4700

Serviced Challenger air filter per ICA. Serviced PowerFlow exhaust per ICA. Replaced 4 cowl shock mounts. Replaced missing Southco fasteners. Replaced roll pin in both vent window cranks. Flipped left & right visors for proper positioning. Replaced overhead speaker w/correct speaker. Replaced right tunnel bumper. Replaced left aft muffler to firewall heat duct. Replace nose gear door bushing & grommet. Repaired nose door brackets. Replaced main gear upswitch magnet. Replaced throttle warning roller. Repaired throttle warning cam. Repositioned JPI ground at engine. Dynamic balance performed to .05 IPS, 44 grams added. ELT checked per FAR91.207(d). C/W AD11-10-09, seats & rails, visual & dimensional check, due 100 hrs/annually. C/W AD15-19-07, injector lines & supports, visual inspection, due 100 hrs. All routine items checked as per inspection sheets. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Robert Russell 3411885IA

JRE,  
=

DESCRIPTION OF THE WORK PERFORMED



## MAINTENANCE RECORD

[illegible]



LANCASTER AVIONICS, INC. 500-U AIRPORT ROAD LITITZ, PA 17543 CRS# LN7R261N  
LOG ID# 4816 01-June-2017 WO# 22069  
N52802 S/N 177RG1274 CESSNA 177RG

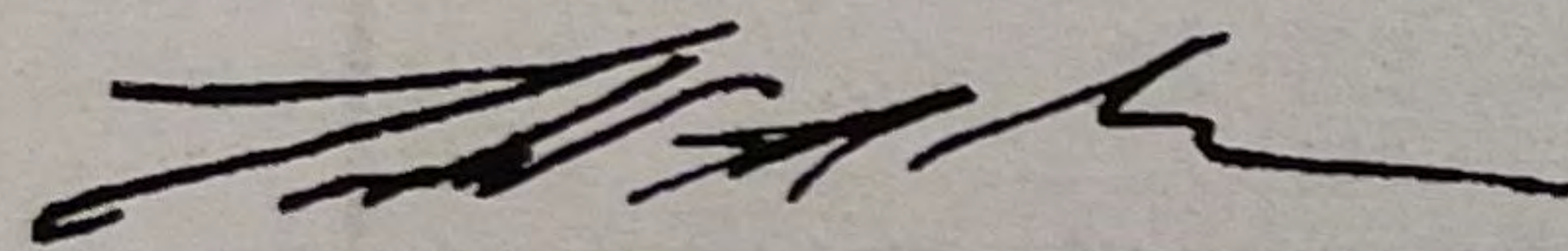
Pg 1 / 1

DATE

\*\*\*\* ITEM # 22069-1 REPAIR ASPEN EFD1000 \*\*\*\*

DISCREPANCY: MULTIPLE FLAGS ON ASPEN EBD1000.

ACTION: Lost all communications for GPS1/GPS2/Nav1/Nav2; all AHRS data good - verified. After unit handling, squawk healed itself however new intermittent problems surfaced. When GPS2 selected CRS intermittently flashes between Green and Blue, intermittently toggles in and out of Autoslew, intermittently flashes GPS2 reversionary, intermittently toggles to VLOC2 then quickly returns to GPS2. Also, GPS waypoint identifier constantly shows "GARMIN" but distance and bearing accurately depicts to selected waypoint when GPS2 selected (OK when GPS1 selected). Inspected wirng and inspected G500/GTN/EFD connections. Opened Aspen connector and inspected for pinch and chafe. temporarily substituted new EFD1000 Pro -001 flavor and all issues resolved. Note that this is the 3rd unit in less than 11 months since new install by Heath Avionics. Removed EBD1000 s/n 24063 and installed warranty replacement s/n 9710150. ops Checked Good.



Todd Adams

SIGNATURE,  
E TYPE  
BER



**Harford Air Services****Maintenance Log**

3538 Aldino Rd

**N52802**

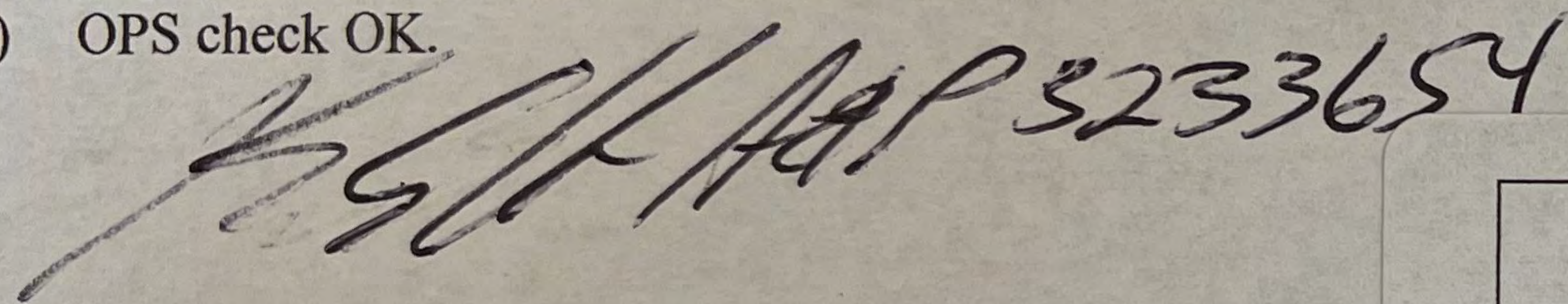
Churchville, MD 21028

410-836-2828

June 22, 2017 Tach: 762.2 Hobbs: 4671.6

Description of Work Done: Airframe

- 1) Replaced battery contactor with Lamar X61-0029
- 2) OPS check OK.

 3233654**Harford Air Services****Maintenance Log**

3538 Aldino Rd

**N52802**

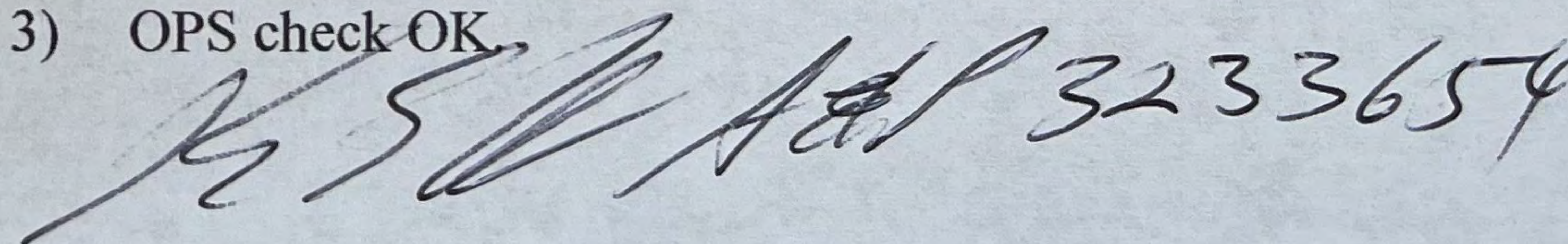
Churchville, MD 21028

410-836-2828

January 23, 2018 Tach: 821.2 Hobbs: 4741.5

Description of Work Done: Airframe

- 1) Check aileron and stabilator cable tension.
- 2) Tightened aileron cable to 30 lbs per service manual.
- 3) OPS check OK.

 3233654

MED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



**Harford Air Services**  
3538 Aldino Rd  
Churchville, MD 21028  
410-836-2828

**Maintenance Log**  
**N52802**

January 12, 2018 Tach: 821.1 Hobbs: 4741.3

Description of Work Done: Airframe

- 1) Installed new Lord cowl flap mounts J-14290-4.
- 2) Lubed horizontal stabilizer.
- 3) Repaired landing light plug with new molex pin.
- 4) OPS check OK.

*[Signature]* 3733654

MED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



# MAINTENANCE RECORD

|                          |       |                                   |                                                       |
|--------------------------|-------|-----------------------------------|-------------------------------------------------------|
| TOTAL TIME<br>IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED | AUTHORIZED SIGNATURE,<br>CERTIFICATE TYPE<br>& NUMBER |
| HOURS                    | 10THS |                                   |                                                       |

## AIRFRAME ENTRY

"N" #: N52802      Make: CESSNA      Model: 177RG      Serial #: 177RG1274      Total Time: 848.0      Date: 03/27/2018

### Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. NOSE GER DOOR ATTACH HARDWARE WORN - REMOVED AND REPLACED NOSE LANDING GEAR AFT DOOR BUSHINGS AND FORWARD DOOR BEARINGS, SPACERS AND PINS IAW CESSNA 177 SERVICE MANUAL APPLICABLE SECTION OF SECTION 5.

### \*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94974.



SIGNED BY: *[Signature]* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D



ing Civil Aviation  
Authority/Country:  
A/United States  
Organization Name and Address:

2. **AUTHORIZED RELEASE CERTIFICATE**  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

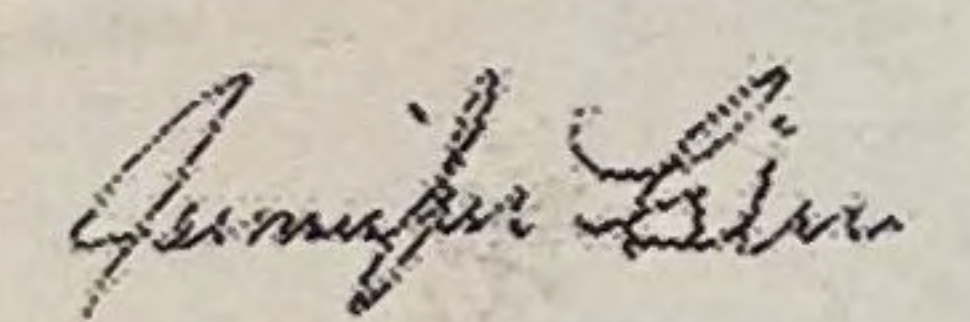
3. Form Tracking Number:  
**6089739**  
5. Work Order/Contract/Invoice Number:  
**3050912**

|                       |                                   |                                       |                          |                                  |                                |
|-----------------------|-----------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------|
| 6. Item:<br><b>10</b> | 7. Description:<br><b>BUSHING</b> | 8. Part Number:<br><b>NAS75-3-019</b> | 9. Quantity:<br><b>2</b> | 10. Serial Number:<br><b>N/A</b> | 11. Status/Work:<br><b>New</b> |
|-----------------------|-----------------------------------|---------------------------------------|--------------------------|----------------------------------|--------------------------------|

12. Remarks:  
**NO MESSAGE REQUIRED**  
**PO#: 20525**

13a. Certifies the items identified above were manufactured in conformity to:  
☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12  
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:  


13c. Approval/Authorization No.:  
**PC4**

14b. Authorized Signature

14c. Approval/Certificate No.

13d. Name (Typed or Printed):  
**JENNIFER FISHER**

13e. Date (dd/mmm/yyyy):  
**26/Mar/2018**

14d. Name (Typed or Printed)

14e. Date (dd/mmm/yyyy)

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

RD

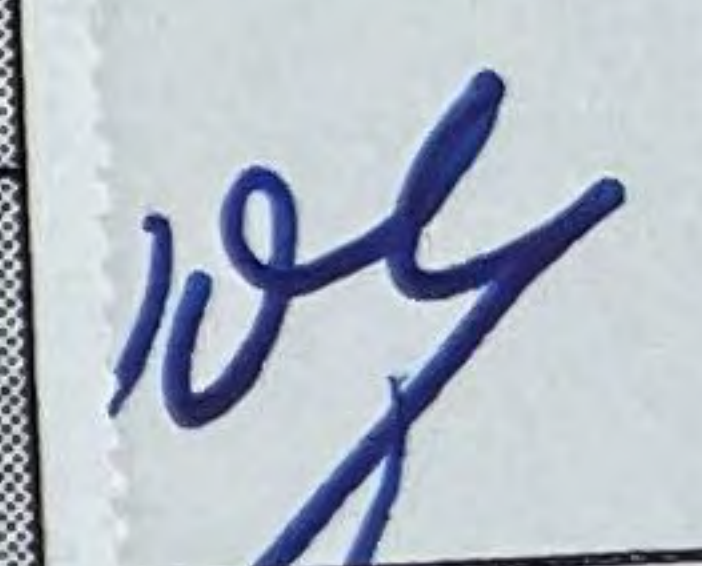
FORMED

AIRFRAME E

Total Time:  
848.0

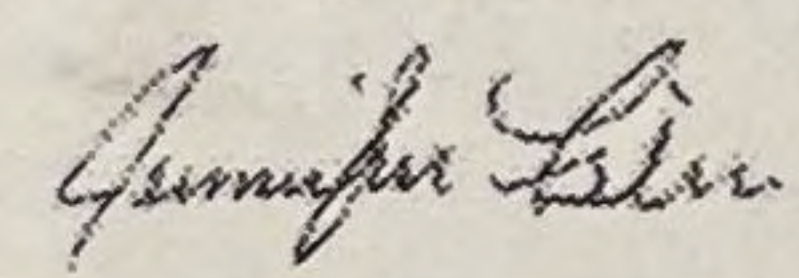
WITH 14 CFR 145.211(c)(ii).  
REPLACED NOSE LAND  
S AND PINS IAW CESSNA

\*\*\*\*\*  
APPLIANCE IDENTIFIE  
DERAL AVIATION REGU  
E REPAIR ARE ON FILE



COLUMBIA, SOUTH C  
TION NO. FEHR859D



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|--|
| 1. Improving Civil Aviation Authority/Country:<br>FAA/United States                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          | 3. Form Tracking Number:<br><b>6089739</b> |  |
| 4. Organization Name and Address:<br><b>Textron Aviation Inc. (PC4)</b><br><b>Textron Aviation Inc.</b><br><b>1 Cessna Blvd, Wichita, KS 67215</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                               | 5. Work Order/Contract/Invoice Number:<br><b>3050912</b> |                                            |  |
| 6. Item:<br><b>20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7. Description:<br><b>SPACER</b> | 8. Part Number:<br><b>NAS42DD8-12FC</b>                                                 | 9. Quantity:<br><b>2</b>                                                                                                                                                                                                                                                                                                                                                                                      | 10. Serial Number:<br><b>N/A</b>                         | 11. Status/Work:<br><b>New</b>             |  |
| 12. Remarks:<br><b>NO MESSAGE REQUIRED</b><br><br><b>PO#: 20525</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                            |  |
| 13a. Certifies the items identified above were manufactured in conformity to:<br><input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation.<br><input type="checkbox"/> Non-approved design data specified in Block 12.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  |                                                                                         | 14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12<br>Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. |                                                          |                                            |  |
| 13b. Authorized Signature:<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                  | 13c. Approval/Authorization No.:<br><b>PC4</b>                                          |                                                                                                                                                                                                                                                                                                                                                                                                               | 14b. Authorized Signature                                |                                            |  |
| 13d. Name (Typed or Printed):<br><b>JENNIFER FISHER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  | 13e. Date (dd/mm/yyyy):<br><b>26/Mar/2018</b>                                           |                                                                                                                                                                                                                                                                                                                                                                                                               | 14c. Approval/Certificate No.                            |                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                               | 14d. Name (Typed or Printed)                             |                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                               | 14e. Date (dd/mm/yyyy)                                   |                                            |  |
| <b>User/Installer Responsibilities</b><br>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.<br>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.<br>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.<br>A Form 8130-3 (02-14) |                                  |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                            |  |

NSN: 0052-00-012-9005

ORD

MED

# AIRFRAME ENTRY

Total Time: 848.0  
 Date: 03/27/2018

WITH 14 CFR 145.211(c)(ii).  
 REPLACED NOSE LANDING GEAR AND PINS IAW CESSNA 177 SERVICE

\*\*\*\*\*  
 APPLIANCE IDENTIFIED ABOVE  
 GENERAL AVIATION REGULATIONS AND  
 REPAIR ARE ON FILE AT THIS ADDRESS

FOR  
 COLUMBIA, SOUTH CAROLINA 29204  
 ION NO. FEHR859D



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|--|
| 1. Approving National Aviation Authority/Country:<br>FAA/UNITED STATES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            | 2. AUTHORIZED RELEASE CERTIFICATE<br>FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG |                          |                                                                                                                                                                                                                                                                                                                                                                                                              |                                 | 3. Form Tracking Number:<br>1425438 |  |
| 4. Organization Name and Address:<br>Cessna Aircraft Company<br>Cessna Parts Distribution Dept. 702<br>5800 E Pawnee, Wichita, KS 67218                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            | 5. Work Order/Contract/Invoice Number:<br>671798                                 |                          |                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                     |  |
| 6. Item:<br>2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7. Description:<br>BEARING | 8. Part Number:<br>S1896-4L1                                                     | 9. Eligibility: *<br>150 | 10. Quantity:<br>10                                                                                                                                                                                                                                                                                                                                                                                          | 11. Serial/Batch Number:<br>N/A | 12. Status/Work:<br>New             |  |
| 3. Remarks:<br>AIRWORTHINESS APPROVAL - PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.<br><br>PO# 10025368                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                     |  |
| 4. Certifies the items identified above were manufactured in conformity to:<br><input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation.<br><input type="checkbox"/> Non-approved design data specified in Block 13.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                                                                                  |                          | 19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 13<br>Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. |                                 |                                     |  |
| 15. Authorized Signature:<br><i>Kenneth E. Wysocki Sr.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                            | 16. Approval/Authorization No.:<br>100129CE                                      |                          | 20. Authorized Signature:                                                                                                                                                                                                                                                                                                                                                                                    |                                 | 21. Approval/Certificate No.:       |  |
| 17. Name (Typed or Printed):<br>KENNETH E. WYSOCKI SR., ODARE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                            | 18. Date (m/d/y):<br>NOV/27/2006                                                 |                          | 22. Name (Typed or Printed):                                                                                                                                                                                                                                                                                                                                                                                 |                                 | 23. Date (m/d/y):                   |  |
| <b>User/Installer Responsibilities</b><br>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.<br>*Installer must cross-check eligibility with applicable technical data. |                            |                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                     |  |

NSN: 0052-00-012-9005

ORDER: 1425438N/LOT: N/A  
ITEM: 2  
PN: S1896-4L1  
DESC: BEARING  
QTY: 10  
U/M: EA

MED

AIRFRAME ENTRY

Total Time:  
848.0

Date:  
03/27/2018

14 CFR 145.211(c)(ii).  
PLACED NOSE LANDING GEAR A  
D PINS IAW CESSNA 177 SERVI

\*\*\*\*\*  
LIANCE IDENTIFIED ABOVE V  
AVIATION REGULATIONS AN  
AIR ARE ON FILE AT THIS AGE

FOR  
JMBIA, SOUTH CAROLINA 2917  
O. FEHR859D



## MAINTENANCE RECORD

[illegible]

**Harford Air Services**  
3538 Aldino Rd  
Churchville, MD 21028  
410-836-2828

# Maintenance Log

## N52802

April 5, 2018    Tach: 852.4    Hobbs: 4779.4

### Description of Work Done: Airframe

- 1) Replaced left and right hinge on center nose gear door with 2052008-1 and 2052008-2.
- 2) Replaced left side nose gear door hinge with MS20257-3 hinge.
- 3) Replaced 3 bearings on center nose gear door with S1896-4L1.
- 4) Cycled nose gear several times, OP check OK.

NSA 3233654

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



|                                                                                                                                        |                                 |                                                                                         |                          |                                  |                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------|--------------------------|----------------------------------|----------------------------------------------------------|--|
| 1. Approving Civil Aviation Authority/Country:<br><b>FAA/United States</b>                                                             |                                 | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                          |                                  | 3. Form Tracking Number:<br><b>6062256</b>               |  |
| 4. Organization Name and Address:<br><b>Textron Aviation Inc. (PC4)<br/>Textron Aviation Inc.<br/>1 Cessna Blvd, Wichita, KS 67215</b> |                                 |                                                                                         |                          |                                  | 5. Work Order/Contract/Invoice Number:<br><b>3030678</b> |  |
| 6. Item:<br><b>27</b>                                                                                                                  | 7. Description:<br><b>HINGE</b> | 8. Part Number:<br><b>2052008-2</b>                                                     | 9. Quantity:<br><b>1</b> | 10. Serial Number:<br><b>N/A</b> | 11. Status/Work:<br><b>New</b>                           |  |

12. Remarks:

**AUTHORIZED RELEASE DOCUMENT**

**PO#: 001680**

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12  
Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

*Terry Weeks*

13c. Approval/Authorization No.:

**PC4**

14b. Authorized Signature

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

**TERRY WEEKS**

13e. Date (dd/mm/yyyy):

**08/Mar/2018**

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

AUTHORIZED SIGNATURE  
CERTIFICATE TYPE  
& NUMBER

gear door with 2052008-1 and

MS20257-3 hinge.

or with S1896-4L1.

OK.

*33654*



|                                                                                                                                        |                                 |                                                                                         |                          |                                                          |                                            |  |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------|--------------------------------------------|--|
| 1. Approving Civil Aviation Authority/Country:<br><b>FAA/United States</b>                                                             |                                 | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG |                          |                                                          | 3. Form Tracking Number:<br><b>6062256</b> |  |
| 4. Organization Name and Address:<br><b>Textron Aviation Inc. (PC4)<br/>Textron Aviation Inc.<br/>1 Cessna Blvd, Wichita, KS 67215</b> |                                 |                                                                                         |                          | 5. Work Order/Contract/Invoice Number:<br><b>3030678</b> |                                            |  |
| 6. Item:<br><b>26</b>                                                                                                                  | 7. Description:<br><b>HINGE</b> | 8. Part Number:<br><b>2052008-1</b>                                                     | 9. Quantity:<br><b>1</b> | 10. Serial Number:<br><b>N/A</b>                         | 11. Status/Work:<br><b>New</b>             |  |

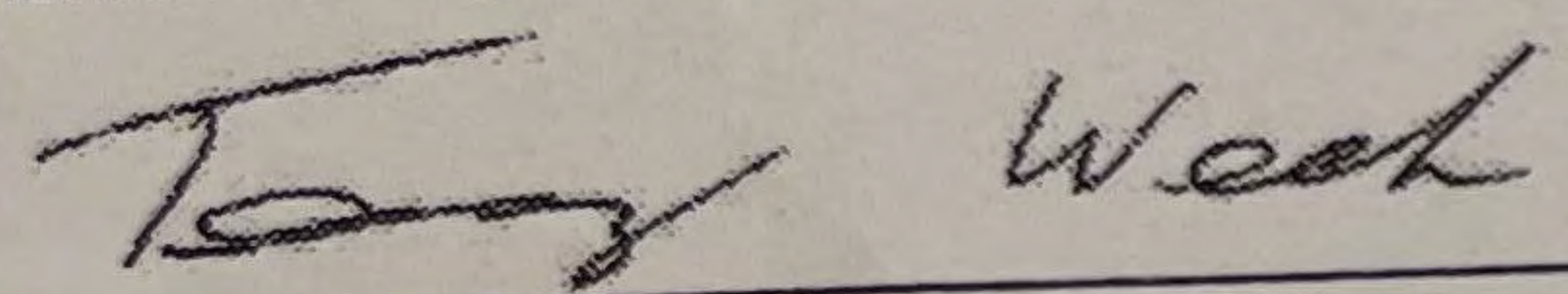
12. Remarks:

**AUTHORIZED RELEASE DOCUMENT****PO#: 001680**

13a. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data and are in a condition for safe operation.☐ Non-approved design data specified in Block 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12  
 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

|                                                                                                                   |                                                |                               |                               |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------|-------------------------------|
| 13b. Authorized Signature:<br> | 13c. Approval/Authorization No.:<br><b>PC4</b> | 14b. Authorized Signature     | 14c. Approval/Certificate No. |
| 13d. Name (Typed or Printed):<br><b>TERRY WEEKS</b>                                                               | 13e. Date (dd/mm/yyyy):<br><b>08/Mar/2018</b>  | 14d. Name (Typed or Printed): | 14e. Date (dd/mm/yyyy):       |

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

UTHORIZED  
CERTIFIC  
& NU

with 2052008-1 and

-3 hinge.  
896-4L1.

4



**Harford Air Services**  
3538 Aldino Rd  
Churchville, MD 21028  
410-836-2828

July 2, 2018, 2018 Tach: 868.2 Hobbs: 4797.0

### Description of Work Done: Airframe

- 1) Installed Lycoming IO-390-A1A6 S/N RL-755-80E I.A.W STC SA10944SC with new Lord J9613-59 engine mounts, AN7-43A Bolts, AN7-44A Bolts and AN373-720 nuts.
- 2) Installed Slick Start magneto booster I.A.W. STC 593CH
- 3) Installed Hartzell HC-C2YR-IN/NG8301-5 S/N NS3874B I.A.W. STC SA09871AC and composite spinner A-2295-P
- 4) Installed new MCauley Gov D20893-2 Model DC290D1/T2 S/N 180107 with MS20074-05-13 Bolts and new gov Bracket 1750027-3
- 5) Installed new Airforms engine baffling with 0450277-214 AND 0450277-208 fasteners. Installed original airbox to baffling. Cleaned and serviced air filter with challenger cleaner and oil.
- 6) Installed new oil cooler 8001588-NE S/N 4653414 with modification I.A.W. STC instructions.
- 7) Replaced all fuel and hoil hoses to engine with the following: AE3660110, 0110, 0120, 0224, AE3663161H0303, 0290 and AE36638192
- 8) Reconnected EDM 930 probes and replaced JPI slick mag probe
- 9) Replaced alternator belt with 51597-1-37.5.
- 10) Replaced starter wire from starter to contactor with M22759/16-01-9.
- 11) Installed previous installed alternator and starter
- 12) Ground ran, leak checked, OPS check OK.

35/AF 3233654

**AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER**



BSF ADP 3233654

[illegible]

GNATURE,  
E TYPE  
ER

07/26/2018 N52802 Tach 4813 TTAf 4813  
Replaced throttle warning microswtch roller. Reinstalled Powerflow after ICA for inspect and lube, due annually/500hrs. Replaced nose wheel bearings and races. CW AD 15-19-07 injector lines and supports, visual inspection, due 100hrs. CW AD 11-10-09 seats and rails, visual and dimensional check, due 100hrs/annually. ELT checked per FAR 91.207(d). All routine items checked per inspection sheets. FAR43 App D. I certify that this airframe was inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Robert Russell 34118851A

# Maintenance Log

## N52802

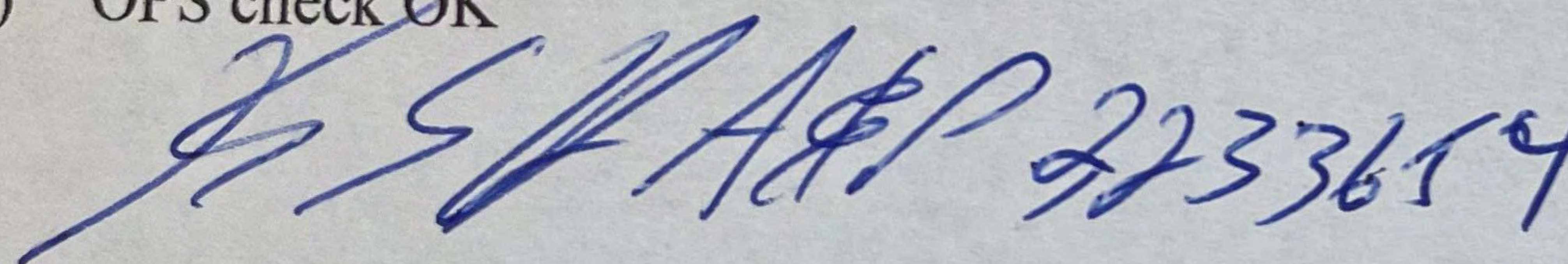
### Description of Work Done: Airframe

- 1) Reinstalled JPI EDM930 S/N 05482 after repair by JP Instruments.
- 2) Repaired headphone jacks
- 3) OPS check OK

35 R AEP 3233654



## MAINTENANCE RECORD

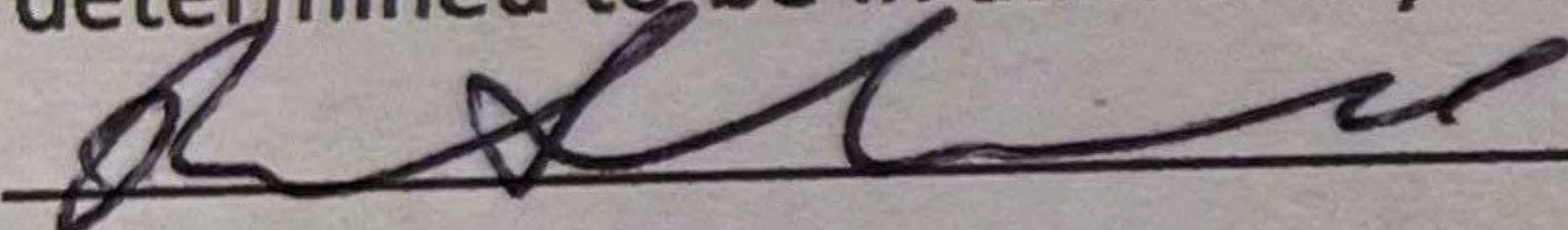
| DATE | TOTAL TIME IN SERVICE |       | DESCRIPTION OF THE WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER |
|------|-----------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|      | HOURS                 | 10THS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |
|      |                       |       | <b>Harford Air Services      Maintenance Log</b><br><b>3538 Aldino Rd                      N52802</b><br><b>Churchville, MD 21028</b><br><b>410-836-2828</b><br><br>October 18, 2018   Tach 911.6   Hobbs: 4848.5<br><br>Description of Work Done: Airframe<br><br>1) Replaced spinner with same P/N 106847, S/N 1703322.<br>2) Repaired shimmy damper with the following: o-rings MS28775-008-023-112 and 213 and serviced with 5606 hyd. fluid I.A.W maintenance manual.<br>3) Repaired nose strut with the following parts: MCS1628-329, MS28775-329, MS 28775-228 and serviced with 5606 hyd. fluid and nitrogen.<br>4) Installed new JPI software update in the EDM930.<br>5) Replaced aircraft battery with Concorde RG24-16, S/N 40956834.<br>6) OPS check OK<br><br> |                                                 |



Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

07/25/2019 N52802 Tach 4920 TTAF 4920

Cleaned and reoiled airfilter per Challenger ICA, due 100hr/annually. Reinstalled exhaust after Powerflow ICA of inspection and lube, due 500hrs/annually. Replaced right wing sump drain. Replaced one cowl shock mount. Replaced nose aft door clevis pins and three eyebolts. CW AD 11-10-09 seats and rails, visual and dimensional checks, due 100hrs/Annually. ELT checked per FAR91.207(d). All routine items checked per inspection sheets. FAR43 APP D. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Robert Russell 3411885IA

SIGNATURE, IDENTIFICATION TYPE NUMBER



DATE

Aviation Plus LLC

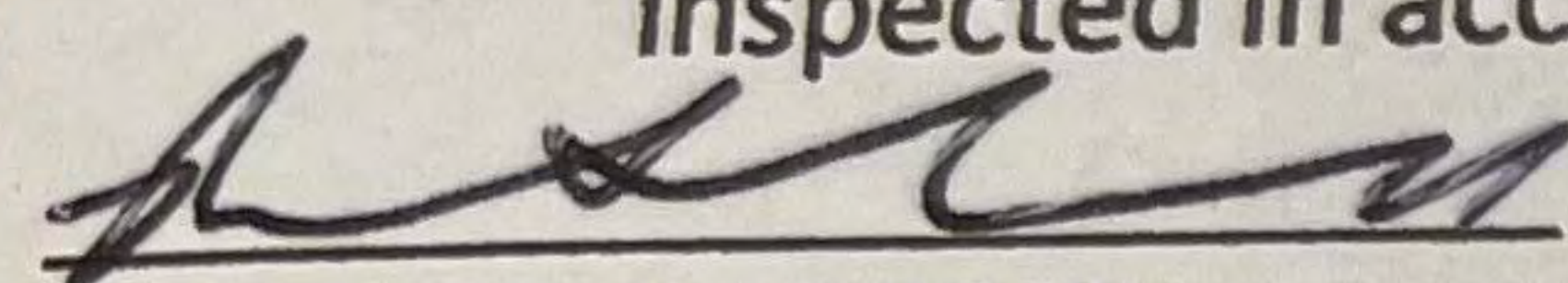
262-656-1260

Aviationplusllc.com

SIGNATURE, TYPE  
& NUMBER

07/23/2019 N52802 Tach 4920 TTP

All routine items checked per inspection sheets. FAR43 App D. I certify that this propeller was inspected in accordance with an annual inspection and was determined to be in airworthy condition.



Robert Russell 3411885IA

Harford Air Services

Maintenance Log

3538 Aldino Rd

N52802

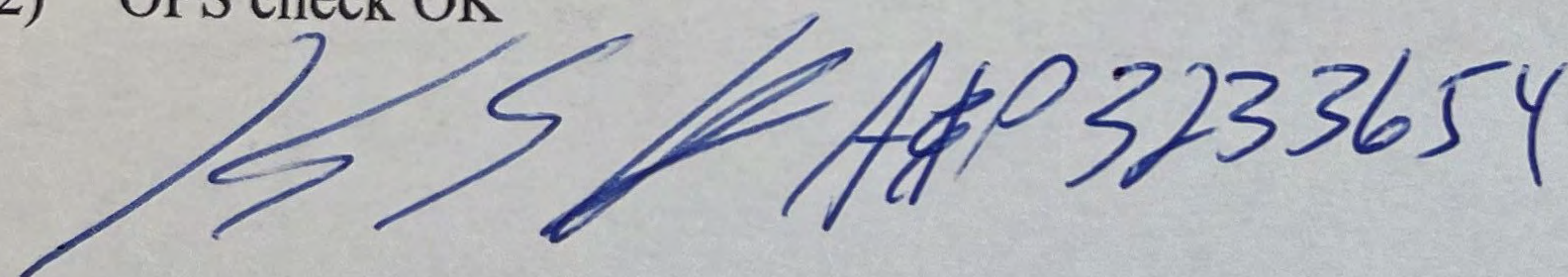
Churchville, MD 21028

410-836-2828

December 20, 2019 Tach 996.2 Hobbs: 4945.4

Description of Work Done: Airframe

- 1) Replaced left main tire with Goodyear FLT custom 3 15x6.00-6ply S/N 2173240 and Goodyear tube 15/6.00-6
- 2) OPS check OK



APP 3233654



## MAINTENANCE RECORD

[illegible]

**fly ADVANCED  
MAINTENANCE, LLC**

131 N. DuPont Highway  
New Castle, DE 19720  
Phone 302-324-9970  
CRS# 5VWR338D

|                         |                 |
|-------------------------|-----------------|
| Aircraft Registration:  | N52802          |
| Aircraft Model:         | 177RG           |
| Aircraft Serial Number: | 177RG1274       |
| Tach / Hobbs Time:      | 1907.1          |
| Work Order:             | FAM0505-08-2020 |
| Altitude Tested to:     | 20,000          |
| Date Tested:            | 8-25-20         |

I certify that the altimeter system and altitude reporting equipment tests and inspections required by FAR 91.411, the ATC transponder tests and inspections required by FAR 91.413, and data correspondence between automatically reported pressure altitude data and the pilot's altitude reference required by FAR 91.217 have been found to be within the specified limits of the current version of 14 CFR Part 43 appendices E & F up to the specified altitude. The work was accomplished in accordance with the instructions for continued airworthiness, and with respect to the work performed, this article is approved for return to service. Pertinent details are on file at this repair station for the work order referenced above.

|                 |       |        |        |         |      |           |
|-----------------|-------|--------|--------|---------|------|-----------|
| Transponder #1: | Make: | GARMIN | Model: | GTX345  | S/N: | 3EG001227 |
| Transponder #2: | Make: | GARMIN | Model: | GTX335  | S/N: | 3EE000603 |
| ADC #1:         | Make: | GARMIN | Model: | GDC74A  | S/N: | 20622671  |
| ADC #2:         | Make: | ASPEN  | Model: | EFD1000 | S/N: | 9710150   |

Signature

Signature

DAVE GREGG

Name (print or type)

8-25-20

Date \_\_\_\_\_



A blank sheet of white graph paper with a black grid pattern. The grid consists of horizontal and vertical lines forming squares. There are approximately 10 columns and 8 rows visible. A small portion of a yellow sticky note is attached to the right edge of the paper. Faint, illegible text from the reverse side of the paper is visible through the grid.

# Maintenance Log

## N52802

### Description of Work Done: Airframe

- 1) Opened inspection panels, cleaned, inspected, and lubed as necessary.
- 2) ELT battery due Aug 2027, tested and inspected per 91.207 (d) – Replaced Artex ELT 345 with warranty replacement 8100 S/N 317-06025 hex code ADC64 98164 C3591.
- 3) Cleaned and inspected air filter and serviced.
- 4) Cleaned and packed wheel bearings.
- 5) Checked all applicable AD' s through 2020-17: C/W 2000-06-01 Fuel system–per required inspection; C/W 2011-10-09 Seat slippage–visual inspection–due 5059.5 Tach; C/W 2015-19-07 Fuel injection lines–visual inspection–due 5059.5 Tach.
- 6) Complied with SEL-57-03 cracks in spar caps and SEL-57-09 corrosion inspection.

**AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER**



| DATE | TOTAL TIME<br>IN SERVICE |
|------|--------------------------|
| RS   | 10THS                    |

**N52802** Airframe, Sept 1, 2020 Continued:

- 7) Removed headliner and interior panels, carry thru spar; cleaned, treated with Bonderite C-IC33 , Alumiprep Bonderite M-CR1201 Alodine, painted and coated with Cor-ban 23 corrosion inhibiting compound.
- 8) Replaced all Cat tubing with Sceet-8 and -12, cleaned and treated all attaching locations.
- 9) Replaced 1 static wick with C592001-0201.
- 10) Replaced 4 seat stops with McFarlane Seat Stop Kit 2.
- 11) Replaced 3 cowlings mounts with SK2003-14A.
- 12) Replaced grommet on nose gear door with AN931-4-12.
- 13) Reset EDM930 to correct for Tach and Hobbs time being reversed. The current Tach time now shows the total time on the aircraft.
- 14) Inspected Power Flow exhaust, and welded crack.
- 15) Performed a gear retraction/extension checks including an emergency gear extension.
- 16) Ground ran, leak checked, OPS check OK.

I certify that this Aircraft has been inspected  
in accordance with a Annual inspection and was found to  
be in airworthy condition.

Date Sept 1, 2020 A/C Total Time 4959.5

A/C Tach 4959.5 A/C Hobbs 1007.1

ENG. Total Time 162.5 ENG S.M.O.H. ✓

Kevin St. Clair Hess A&P 3233654 IA

1/4/20 A&P 3233654 IA

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



## MAINTENANCE RECORD

[illegible]



## MAINTENANCE RECORD

[illegible]



|                               |                            |                          |                                  |                         |             |                           |                                               |                               |         |
|-------------------------------|----------------------------|--------------------------|----------------------------------|-------------------------|-------------|---------------------------|-----------------------------------------------|-------------------------------|---------|
|                               |                            |                          |                                  |                         |             |                           |                                               |                               |         |
| WARRANTY NO.<br>WD<br>D'W'NEN | COMPLIANCE<br>OF<br>METHOD | COMPLIANCE<br>OF<br>DATE | VEHICLE<br>TOTAL LIFE IN SERVICE | COMPONENT<br>IN SERVICE | LIFE<br>CMT | STATUS<br>RE-<br>TEST (X) | NOTES/OTHER<br>DUE-DATE<br>COMPLIANCE<br>NEXT | APPROVED<br>SIGNATURE<br>DATE | REMARKS |

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

Blank area for recording compliance details.



