

| YEAR 20____ DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspection Entries must be endorsed with Name, Rating and Certificate Technician or Repair Facility. (See back pages for other specifications) |
|------------------------|---------------------------|-------------------|-----------------------------|---|
|------------------------|---------------------------|-------------------|-----------------------------|---|

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN#

Date 1/22/2018

ACTT:

HRM: 1993.4

1. Replaced LH scissors nut with a new nut accomplished a gear retraction test
2. Resealed the LH brake caliper and replaced the brake pads

This aircraft is approved for return to service in
regards to Work performed.


Bradley D Gray A&P 3135226

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 5/2/2018

ACTT: 2018.1

Hrm: 2018.1

1. Replaced the RH wing to fuselage seal PN#65773-002
 2. Replaced the seal on the vertical stabilizer forward panel PN# 95540-015
- This aircraft is approved for return to service in
regards to Work performed.


Bradley D Gray A&P 3135226

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN#3449093

Date 7-20-2018

ACTT:2030.5

HRM:2030.5

Tach:

1. Lubed hinge & pivot points
2. Checked tensions & travels
3. Serviced brakes battery tires & power pack
4. Lubed wheel bearings
5. Swung gear normal & emergency
6. C/W FAR 91.207 d ELT inspection battery due 11-2020
7. Cleaned fuel screens
8. Installed new LH recognition light P/N GE4591
9. Installed new LH stabilator trim tab P/N 95864-000
10. Installed new air filters P/N BA-3
11. Installed new vacuum regulator filters P/N ARB3-5-1
12. C/W AD 04-25-16R1 heater fuel regulator/shutoff valve (visual)

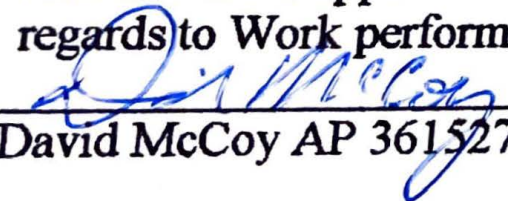
Next due ACTT 2130.5/Annual

13. All routine maintenance C/W

I certify that this aircraft has been inspected in accordance with an annual inspection

In accordance with part FAR 43 appendix D and was determined to be in airworthy condition.

This aircraft is approved for return to service in
regards to Work performed.


David McCoy AP 3615278 IA

YEAR
20 _____
DATE

REG. #: N574JD
MODEL: PA-34-220T

A/C HOURS: 2030.7
S/N: 3449093

DATE: 8/14/18
MAKE: Piper

F.A.R. 91.411

F.A.R. 91.411
I CERTIFY THAT THE ALTIMETERS AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 HAVE
BEEN PERFORMED ON 8/14/18.

BEEN PERFORMED ON 8/11/13.
THE LEFT ALTIMETER/ADC P/N 011-00882-10 S/N 20606858 WAS TESTED TO 35,000
711 WAS TESTED TO 35,000

THE LEFT ALTIMETER/ADC P/N 011-0002-1 S/N 541 WAS TESTED TO 25,000
THE RIGHT ALTIMETER/ADC P/N 306171-00 S/N 541 WAS TESTED TO 25,000

THE LEFT PITOT/STATIC SYSTEM WAS LEAK TESTED ON 8/14/18. THE RIGHT PITOT/STATIC SYSTEM WAS LEAK TESTED ON 8/14/18. THE SYSTEMS WERE FOUND IN COMPLIANCE.

Math Fresh

TECHNICIAN for
CENTRAL TEXAS AVIONICS INC.
FAA REPAIR STATION #: C84R586N

WORK ORDER# 10545

[illegible]

WORK ORDER# 10545

CENTRAL TEXAS AVIONICS, INC.

217 CORSAIR DRIVE
GEORGETOWN, TEXAS 78628\

LOG BOOK ENTRY

DATE: 8/14/18
MAKE: Piper

REG. #: N574JD
MODEL: PA-34-220T

A/C HOURS: 2000.7
S/N: 3449013

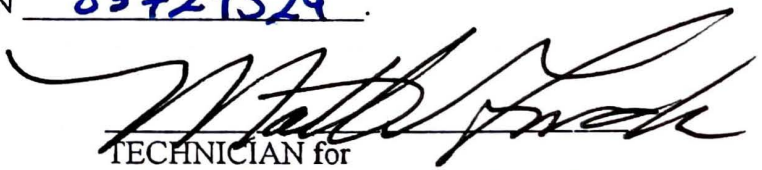
F.A.R. 91.413

I CERTIFY THAT THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 HAVE BEEN PERFORMED ON
8/14/18. THE INTERGRATED SYSTEM TESTS AND INSPECTIONS WERE PERFORMED ON 8/14/18.

TRANSPONDER #1 MAKE: Garmin MODEL: GTX 345 S/N 3EG001659

TRANSPONDER #2 MAKE: Garmin MODEL: GTX 327 S/N 83729524

WORK ORDER# 10545


TECHNICIAN for
CENTRAL TEXAS AVIONICS INC.
FAA REPAIR STATION #: C84R586N

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

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN#3449093

Date 7-25-2019

ACTT:2086.7

HRM:2086.7

Tach:

1. Lubed hinge & pivot points
2. Checked tensions & travels
3. Serviced brakes battery tires & power pack
4. Lubed wheel bearings
5. Swung gear normal & emergency
6. C/W FAR 91.207d ELT inspection battery due 11-2020
7. Installed new air filters P/N BA3
8. Cleaned fuel screens
9. C/W AD 04-25-16R1 heater fuel regulator valve (visual) next due ACTT 2186.7/annual
10. C/W AD 04-21-05 heater pressure decay check next due heater H.M. 384.7/7-2021
11. All routine maintenance C/W

I certify that this aircraft has been inspected in accordance with an annual inspection
 In accordance with part FAR 43 appendix D and was determined to be in airworthy condition.
 This aircraft is approved for return to service in
 regards to Work performed.


 David McCoy AP 3615278 IA

DATE

TODAY'S FLIGHT

**TOTAL
TIME IN
SERVICE**

Description of Inspections, Tests, Repairs and

Entries must be endorsed with Name, Rating and Certified Technician or Repair Facility. (See back pages for other

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 2116.7

SN# 3449093

Hrm: 2116.7

Date 6/19/20

1. Removed and replaced both main tires PN# 072-317-0.

This aircraft is approved for return to service in regards to Work performed?

regards to ~~Work performed~~

Bradley D Gray A&P 3135226

[illegible]

RECORDING
TACHTODAY'S
FLIGHTTOTAL
TIME INDescription of Inspections, Tests, Repairs and Alterations
(Entries must be endorsed with Name, Rating and Certificate Number of entries.)**ACS Avionics LLC**510 S. Hangar Drive
Georgetown, TX 78628
512-352-6525 www.acsatx.com**CRS # WCHR539X****Work Order:** C4415**Registration #:** N574JD**Model:** PA-34-220T**Serial Number:** 3449093**Hobbs/TT:** 2163.4**1. Altimeter Certification**

I certify that the altimeter system and altitude reporting equipment has been tested as required by 14 CFR PART 91.411 and was found to comply with PART 43 Appendix E.

Tested GDC 74A
Tested SAI-340 ADC
Tested KEA 130A
Tested 5934PAD-3 Altimeter

P/N: 011-00882-10
P/N: SAI-340
P/N: 066-03064-0005
P/N: 5934PAD-3

Tested to 25k Feet
Tested to 25k Feet
Tested to 25k Feet
Tested to 25k Feet

2. Transponder Certification

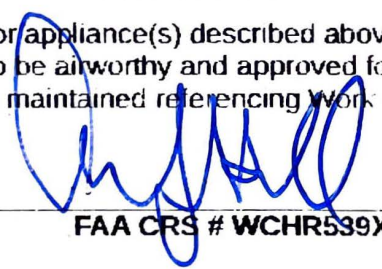
I certify that the ATC Transponder(s) has been tested as required by 14 CFR PART 91.413 and was found to comply with PART 43 Appendix F.

Tested GTX 327 Transponder
Tested Transponder

P/N: GTX 327
P/N: GTX 345

Mode A/C
Mode S

Maintenance Release: The aircraft or appliance(s) described above was tested and inspected in accordance with current Federal Aviation Regulations, found to be airworthy and approved for return to service with respect to work accomplished. A detailed record of this maintenance is maintained referencing Work Order: C4415.

Inspector's Signature:
FAA CRS # WCHR539X**Date:** September 16, 2020

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

ACTT: 2163.1


SN# 3449093

HRM: 2163.1

Date 9/18/2020

1. Researched all applicable Ads
2. Complied with AD 04-25-16R1 fuel regulator shut off valve inspection. no defects noted next due at 2263.1 or 10/18/2021
3. Complied with FAR 91.207 d Elt inspection battery next due November 2022
4. Accomplished a gear retraction and extension test and an emergency extension test
5. Repaired fuel line to the heater by adding union PN# AN815-4D
6. Serviced the brakes, battery, tires and the power pack
7. Lubed all hinges and pivot points
8. Installed new vacuum regulator filters
9. Installed new air filters PN# BA-3
10. Complied with 12 month battery cap check
11. Complied with all routine maintenance

I certify that this aircraft has been inspected in accordance with an annual inspection
 In accordance with FAR part 43 appendix d and was determined to be in airworthy condition.
 This aircraft is approved for return to service in
 regards to Work performed.


 Bradley D Gray A&P 31352261A

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B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 10/23/2020

ACTT: 2163.1

Hrm: 2163.1

1. Removed existing factory gauges, sensors, and associated wiring. Removed existing JPI 760 engine Monitor and associated wiring.
Installed J.P. Instruments EDM-960 Primary Engine data Management System in accordance with The installation Manual for the EDM-960, Report No. 909, Revision E dated 11-3-2016 and STC No. SA01828SE.
Installed Fuel flow transducers in accordance with J.P. Instruments fuel flow installation manual Report No. 503 Revision B Dated March 14, 1997 and STC No. SA00432SE
Reweighed aircraft and installed new weight and balance in the POH

This aircraft is approved for return to service in regards to Work performed.

Bradley D Gray A&P 3135226

Iteration

Number of specific entries

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspection
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N574JD

SN# 3449093

Date 9-9-2021

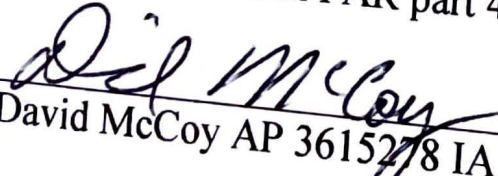
ACTT: 2171.8


HRM:2171.8

EDM H.M. 8.7

- 1.Lubed hinge & pivot points
- 2.Checked tensions & travels
- 3.Serviced brakes battery tires and power pack
- 4.Swung gear normal & emergency
- 5.C/W FAR 91.207d ELT insp batt due 11-2022
- 6.C/W AD 04-21-05 heater pressure decay check next due 9-2023/Heater HM 393.66
- 7.C/W AD 04-25-16R1 heater fuel regulator (visual) next due ACTT 2271.8
- 8.Installed new RH brake pads P/N 066-6200
- 9.Cap checked battery to 83%
- 10.Installed new LH wing fuel placard P/N 09-42813
- 11.C/W 12mo. Fire ext weight check
- 12.Installed 2 new air filters P/N BA-3
- 13.All routine maintenance C/W

I certify that this AIRCRAFT has been inspected in accordance with an annual inspection
In accordance with FAR part 43 appendix d and was determined to be in airworthy condition.


David McCoy AP 3615278 IA

| YEAR 20____ DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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| | | | | <p>MAKE: Piper MODEL: PA-34-220T S/N: 3449093 REG: N1574JD WORK ORDER: 12841</p> <p style="text-align: center;">Turbine Aircraft Services, LLC.</p> <p style="text-align: center;"> Repair Station No. TBWR469X 7101 Millionaire Drive, Hangar 21 Bethany, Oklahoma 73008 Phone: 405-491-8995</p> <p style="text-align: right;">DATE: 06 July, 2022 A/C TSN: 2197.7 HOBBS: 2197.7</p> <p>Airframe Entries</p> <p>(3) Completed an Annual Aircraft inspection in accordance with the PA-34-220T series maintenance manual 100 hour checklist P/N 761-888 Dated September 30, 2018 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.</p> <p>(25) Complied with FAR 91.207(d) ELT Inspection and Functional check. ELT P/N 453-6603, S/N 188-15128 function check good. Battery Expires AUG/ 2027.</p> <p>(26) Installed new hand held fire extinguisher P/N A344T S/N G-99197417 in place of original extinguisher per S.B. 1280A.</p> <p>(27) Inspected and serviced aircraft battery, box and cables.</p> <p>(28) Serviced and installed new Gill battery P/N G-247, S/N G03145292. Battery was installed with a new vent system. Sump jar assembly P/N 3600-39, Vent hoses P/N 6018470-3, Vent adapters P/N 3621. Functional check good.</p> <p>(30) Installed new flap potentiometer. P/N 100660-003. Functional check good.</p> <p>(31) Replaced coax connector at antenna. Bond checked antenna and checked entire coax run. Removed and reinstalled Garmin GNS 430W, P/N 011-01060-00, S/N 23402148 after repair by Garmin International, CRS # GG6XR582Y, under WO 151969799 dated 14/JUN/2022. Unit was functional checked with no discrepancies noted.</p> <p>(32) Installed an overhauled encoding altimeter, P/N 066-3064-05, S/N 2362. Unit was overhauled by Underwood Instrument Services Inc., CRS # SN1R486K under WO 101094 dated 14/JUL/2021. Performed the Bendix King KAS 297 alignment procedure with reference to the KFC 150 Flight Control System installation manual. Unit was functional checked with no discrepancies noted. Removed S/N 29771.</p> <p>(34) A.D. 2013-02-13 Effective date 11/Mar/2013. 7 year inspection in accordance with Piper MSB 1245A. Horizontal stabilator control systems. Inspected control system and no defects were noted.</p> <p>(35) A.D. 2020-24-09 Effective date 05/Jan/2021. To Detect, Correct, and Prevent Damaged Rudder Flight Control Cables and EPS System Wiring. This A.D. is not applicable to this aircraft by Serial Number. No further action required.</p> <p>(36) Complied with A.D 2004-14-12C Effective date 10/Aug/2004. Detect and correct inadequate control wheel attachment. Inspected and installed retainer clips on pilot and copilot control wheels per Piper S.B. 1139A. Clip P/N 104687-002.</p> <p>(37) A.D. 2022-03-15 Effective date 21/Mar/2022.</p> |
| | | | | 1 of 7 |

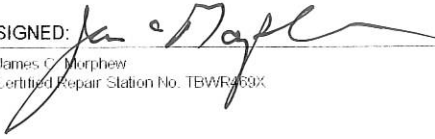
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| | | | | <p>To Ensure That the Amount of Fuel Indicated is the Amount of Fuel Available. This A.D. not applicable by equipment installed.</p> <p>(38) A.D. 2005-13-16 Effective date 08/Aug/2005. NLG bolt replacement, inspection and lube. Installed new upper drag leg bolt P/N AN7-35 with new washers P/N NAS1149F0732P, NAS1149F0763P and nut P/N AN320-7. Functional check good.</p> <p>(39) A.D. 2004-25-16 R1 Effective date 20/June/2002 To prevent failure of the fuel regulator shutoff valve, which could result in fuel leakage in aircraft. Inspected shutoff valve. No defects noted. Inspection due in 100.0 hours or AFTT 2297.7</p> <p>(40) A.D. 2004-21-05 Effective date 19/Nov/2004 [Recurring] To prevent combustion by- products (carbon-monoxide exhaust) and fuel leakage from the combustion heaters. Performed Pressure Decay Test. No defects noted. Due inspection again at ACTT: 2297.7 or 24 months. Which ever comes first.</p> <p>(41) Altimeter systems tests and inspections required by 14 CFR 91.411 have been accomplished with reference to CFR part 43 Appendix E, paragraphs A, B & C. Garmin GDC-74A (LH ADC) P/N 011-00882-10, S/N 20606858; Bendix King (LH ALT) P/N 066-3064-05, S/N 2362; United (RH Alt) P/N 5934PAD-3, S/N 403741; Sandia (Stby Alt) P/N 306171-00, S/N 541. The above systems and components were tested to 20,000' using Laversab model 6300, S/N 86167.</p> <p>ATC transponder tests and inspections required by 14 CFR 91.413 were performed and found to comply with CFR Part 43 Appendix F. Garmin GTX-345 (XPNDR #1) P/N 011-03302-00, S/N 3EG001659. Garmin GTX-327 (XPNDR #2) P/N 011-00490-00, S/N 83729524. Tested using Aeroflex IFR 6000, S/N 1000684925.</p> <p>(43) Complied with the JPI EDM-960 Annual Maintenance Instructions with reference to Paragraph 9.0 of the EDM-960 Instructions for Continued Airworthiness, Supplement Number 960-01, Rev. A, dated 08/APR/2014, with no discrepancies noted.</p> <p>(44) Complied with the Pulselite System Annual Functional Test with reference to Paragraph 2.4.2 of the Precise Flight Instructions for Continued Airworthiness, Document Number 000PMAN0002, Rev. G, dated 06/MAY/2020, with no discrepancies noted.</p> <p>(45) Complied with the Annual Brackett Air Filter Inspection Procedures with reference to Brackett Air Filter Document I-194, dated 16/MAR/1994 with no discrepancies noted. New induction air filters installed at this time.</p> <p>(46) Complied with an inspection of the installation of the Bob Fields Inflatable Door Seal, installed under STC SA4234WE, with reference to AC 43.13-1B. No STC holder ICA data available. No defects were noted at this time.</p> <p>(47) Complied with the Garmin G600 System 12 Calendar Month Visual Inspections with reference to Paragraph 2.5 of the G500/G600 PFD/MFD System Instructions for Continued Airworthiness, Drawing Number 190-00601-00, Rev. M, dated 17/NOV/2016 with no discrepancies noted.</p> <p>(48) Complied with the Garmin GNS 530W System 12 Calendar Month Visual Inspections with reference to Paragraph 2.5 of the 500W Series Instructions for Continued Airworthiness, Drawing Number 190-00357-65, Rev. D, dated 20/NOV/2014 and with no discrepancies noted.</p> |
| | | | | 2 of 7 |

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| | | | | <p>(49) Complied with the Garmin GNS 430W System 12 Calendar Month Visual Inspections with reference to Paragraph 2.5 of the 400W Series Instructions for Continued Airworthiness, Drawing Number 190-00356-65, Rev. D, dated 20/NOV/2014 and with no discrepancies noted.</p> <p>(50) Complied with the Garmin GTX 345 12 Calendar Month Equipment Visual Inspection with reference to Paragraph 4.4 of the GTX 33X and 3X5 ADS-B Maintenance Manual, Document Number 190-00734-11, Rev. 8, dated 16/JUN/2021 with no discrepancies noted.</p> <p>(51) Complied with the Sandia SAI 340 Attitude Indicator Annual Maintenance Instructions with reference Paragraph 5 of the Sandia SAI 340 Instructions for Continued Airworthiness, Document Number 3449093CTASAI340, Dated 18/AUG/2016 found in the aircraft's permanent records. No defects were noted at this time.</p> <p>(52) Performed a conformity inspection on a Precise Flight Pulselite System that was originally installed on 25/MAR/1999. The inspection revealed that a Pulselite Unit, P/N 1210/2405-2A, was installed in accordance with STC SA4005NM, and with reference to the Pulselite Installation Manual Model 1210/2405-2A, P/N PPRI-3000, Rev. 9, dated 22/NOV/1999. Found system not optionally interfaced with the traffic system.</p> <p>Instructions for continued airworthiness can be found in the Pulselite Instructions for Continued Airworthiness, P/N 000PMAN0002, Rev. G, dated 06/MAY/2020 or later and are as follows:</p> <p>Annually</p> <p>1. Check Pulselite for Proper operation: Connect Ground Power to the Aircraft, or Power the aircraft on the ramp. Activate the Pulselite system. Observe that the external lights connected to the Pulselite system are flashing. These lights may be the Landing, Taxi, Recognition, Logo, Hover, or Runway Turnoff lights depending on installation. Switch the external lights connected to the Pulselite to steady ON.. Observe that the external lights connected to the Pulselite System are now on Steady. Switch the Pulselite Control Unit OFF and the connected Landing / Taxi / Recognition / Hover lights to OFF and observe that the external lights are off.</p> <p>2. Check Wiring and connections for security and chaffing. Found the aircraft had been weighed subsequently. The equipment list was updated.</p> <p>(53) Serviced landing gear hydraulic reservoir.</p> <p>(55) Downloaded and inserted the J.P. Instruments EDM 960 Airplane Flight Manual Supplement, P/N 960-001, Rev. B, dated 28/MAR/2016 in the Pilot's Operating Handbook.</p> <p>(56) Installed new post light by dimmer rheostats. P/N 572-615.</p> <p>(57) Adjusted aileron servo cable tension.</p> |
| | | | | 3 of 7 |

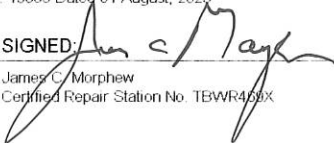
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| | | | | |
| | | | | (58) Installed new left aileron outboard static wick. P/N SW10-96. |
| | | | | (59) Installed new fuel cap seal, P/N 66815-00. |
| | | | | (60) Installed new left pitot probe assembly, P/N 85463-006. |
| | | | | (61) Installed new left inboard and outboard fuel probe gaskets P/N 755-049. No leaks noted. |
| | | | | (62) Installed new left fuel bowl sump hose, P/N 187-273. No leaks noted. |
| | | | | (64) Installed new left main gear actuator extend and retract hoses. P/N 465-287, 565-183. Performed satisfactory gear extensions and retractions. No leaks noted. |
| | | | | (65) Installed new left main gear brake hose. P/N 565-921. No leaks noted. |
| | | | | (66) Installed new right inboard and outboard fuel probe gaskets P/N 755-049. No leaks noted. |
| | | | | (67) Installed new right fuel bowl sump hose. P/N 187-273. No leaks noted. |
| | | | | (69) Installed new right main gear actuator extend and retract hoses. P/N 465-287, 565-183. Performed satisfactory gear extensions and retractions. No leaks noted. |
| | | | | (70) Installed new right main gear brake hose. P/N 565-921. No leaks noted. |
| | | | | (71) Installed new left engine inner cooler duct, P/N 566-320. |
| | | | | (72) Installed new rod ends on left engine fresh air door linkage. P/N 452-606. |
| | | | | (74) Installed new left engine outboard exhaust slip joint support P/N 654305, spacers P/N 654309, bolts P/N AN3-4A, nuts P/N MS21043-3. |
| | | | | (75) Installed new right engine inboard exhaust slip joint support P/N 654305, spacers P/N 654309, bolts P/N AN3-4A, nuts P/N MS21043-3. |
| | | | | (76) Installed new right engine inner cooler duct, P/N 566-320. |
| | | | | (77) Installed new rod ends on right engine fresh air door linkage. P/N 452-606. |
| | | | | (79) Left main landing gear wheel, installed new wheel bearings P/N 13889 and cups P/N 13836. |
| | | | | (80) Installed new left main wheel brake disc P/N 164-21600, brake lining P/N 066-6200, insulator shim P/N 068-01100, insulator P/N 088-00100, pressure plate P/N 063-01100, pins P/N 177-00300. Function check good. |
| | | | | (81) Installed new left brake caliper piston packings. P/N MS28775-222. No leaks noted. |
| | | | | (82) Right main landing gear wheel, installed new wheel bearings P/N 13889 and cups P/N 13836. |
| | | | | (83) Installed new right main wheel brake disc P/N 164-21600, brake lining P/N 066-6200, insulator shim P/N 068-01100, insulator P/N 088-00100, pressure plate P/N 063-01100, pins P/N 177-00300. Function check good. |
| | | | | (84) Installed new right brake caliper piston packings. P/N MS28775-222. No leaks noted. |
| | | | | (85) Installed new nose wheel bearings and cups, P/N's LM29710, LM29749. |
| | | | | (87) Installed a serviceable Garmin GDL 69, P/N 011-00986-00, S/N 47703386, on an existing equipment rack at FS 213.8 using a new connector kit, back plate and configuration module in accordance with STC SA01487SE-D. The unit was interfaced to the Flight |
| | | | | 4 of 7 |
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| | | | | |
| | | | | Stream 210 and the GNS 530W and functional checked with reference to the GDL 69/69A Part 23 AML STC Installation Manual, P/N 190-00355-02, Rev. N, dated 11/FEB/2020. |
| | | | | Instructions for continued airworthiness can be found in the System Maintenance Manual GDL 69/69A Part 23 AML STC, P/N 190-00355-00, Rev. G, dated 12/FEB/2020 or later and are as follows: |
| | | | | Visual inspection of the GDL 69/69A- 12 Calendar Months |
| | | | | 1. Inspect the GDL 69/69A for security of attachment, including visual inspection of mounting rack and other supporting structure attaching the rack to aircraft. |
| | | | | 2. Verify the countersunk fastener heads are in full contact with unit mounting rack holes. If fasteners are loose, re-torque to 12 to 15 in-lbs. and complete the electrical bonding test. |
| | | | | 3. Inspect for signs of corrosion. If corrosion is found, treat in accordance with aircraft maintenance manual. |
| | | | | 4. Inspect condition of wiring, switches, shield terminations, routing, and attachment/clamping. Correct any issues identified by replacing damaged wiring/shield terminations and re-attaching as necessary. Replace any damaged switches. |
| | | | | Electrical Bonding Check of the GDL 69/69A- Every 10 years or 2000 flight hours, whichever comes first |
| | | | | 1. Remove the GDL 69/69A from the mounting rack. |
| | | | | 2. Remove the backplate assembly from the rack to disconnect the cable harnesses. |
| | | | | 3. Measure the resistance between the mounting rack and ground location as defined by Table 2-1, verifying that the resistance is less than or equal to the periodic test value defined by Table 2-1. If the bonding check fails, perform the following procedures: |
| | | | | a) Remove the rack and verify that the countersunk areas around the holes are free of corrosion or any other debris. |
| | | | | b) Clean all metal contact points with a bonding brush. |
| | | | | c) Reattach the rack and verify the resistance between the mounting rack and nearby exposed aircraft metallic structure, ensuring that the resistance is less than or equal to the reconditioned test value defined by Table 2-1. |
| | | | | 4. Reinstall the backplate assembly then reinstall the GDL 69/69A in the mounting rack. |
| | | | | Installed new Garmin GA 55 XM Antenna P/N 011-01033-00, S/N 87503107, using install kit P/N 010-10600-01, at FS 161.0 in accordance with STC SA02018SE-D and with reference to the documents listed on the Master Drawing List, P/N 005-00638-01, Rev. 4, dated 08/MAR/2012. |
| | | | | Instructions for continued airworthiness can be found in the GPS/XM Antenna STC Instructions for Continued Airworthiness, P/N 002-00638-09, Rev. 3, Dated 16/MAR/2012 or later and are as follows: |
| | | | | Electrical Bonding Test- Every 2000 flight hours or ten (10) years, whichever is first. |
| | | | | 1. Gain access to the antenna installation. |
| | | | | 2. Disconnect coaxial cable(s) from the antenna connector(s). |
| | | | | 3. Measure the resistance between the antenna connector (TNC external ground) and a nearby exposed portion of conductive |
| | | | | 5 of 7 |
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| YEAR 20 ____ DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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| | | | | <p>aircraft structure (example: exposed rivet on fuselage stringer).</p> <p>4. Verify the resistance is equal to or less than 10 milliohms.</p> <p>5. Reconnect the coaxial cable to the antenna connector(s) and ensure it is secure.</p> <p>In the event of bonding test failure, remove antenna, clean and reinstall using unit replacement procedures in Section 2.7. Any reworked antenna installation shall have a resistance less than or equal to 2.5 milliohms.</p> <p>Antenna Exterior Visual Inspection- 12 Calendar Months</p> <p>1. Clean antenna with water and mild soap.</p> <p>2. Verify there are no cracks on the antenna and around attachment fasteners.</p> <p>3. Verify that all sealing fillets around the antenna are in good condition.</p> <p>If the antenna is broken, cracked, or dented, it must be replaced. In the event attachment is not secure, re-attach antenna and complete the Electrical Bonding Test. In the event antenna seal shows signs of damage or decomposition, complete the Electrical Bonding Test and re-seal antenna.</p> <p>Antenna Attachment to Airplane Structure Visual Inspection- 12 Calendar Months</p> <p>1. Clean Exterior of aircraft skin within 10 inch radius from antenna location with water and mild soap.</p> <p>2. Inspect aircraft skin around antenna footprint to verify there are no cracks and aircraft skin is not deformed.</p> <p>3. Inspect aircraft skin around rivets attaching antenna doubler and verify there are no cracks originating at the edge of the fastener heads. Use high intensity light and, optionally, 5X or 10X magnifying glass.</p> <p>4. Verify antenna fasteners are not loose.</p> <p>If the aircraft skin is cracked, or deformed, the aircraft internal structure must also be inspected for degradation in the local area. Refer to approved method defined in Aircraft Structural Repair Manual for aircraft skin repairs.</p> <p>New weight and balance was computed and the equipment list was revised.</p> <p>(88) Installed a new Garmin Flight Stream 210, P/N 011-03257-40, S/N 3RE010340, on an existing equipment shelf at FS 208.8 using install kit P/N 010-01194-41, as a follow on optional equipment installation to the Garmin GNS 530W previously installed using FAA Form 337 dated 10/AUG/2007. The Flight Stream was installed and interfaced to the GNS 530W and the GDL 69 with reference to the 500W Series Installation Manual, P/N 190-00357-02, Rev. N, dated 28/JUL/2021.</p> <p>(89) Installed new nose gear actuator extend and retract hoses. P/N 465-287, 565-185. Performed satisfactory gear extensions and retractions. No leaks noted.</p> <p>(90) Installed new combustion heater air pressure switch, P/N 94E42-3.</p> <p>(93) The internal battery pack of the Sandia SAI 340 Attitude indicator was replaced with new, P/N 306186. This satisfies the Full Duration Load Test and 5-Year Battery Pack Replacement requirements found in the Instructions for Continued Airworthiness, Document Number 3449093CTASAI340 dated 18/AUG/2016. The unit was functional tested with no discrepancies noted at this time.</p> |
| | | | | 6 of 7 |

| YEAR 20 ____ DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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| | | | | <p>(97) Cleaned serviced and lubed aircraft. Engine ground run normal, no leaks noted.</p> <p>The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 12841 Dated 06 July, 2022</p> <p>DATE: 06 July, 2022 SIGNED:  Work Order: 12841</p> <p>James C. Morpheus Certified Repair Station No. TBWR469X Printed by EBis 3 (datcomedia.com)</p> |
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| YEAR 20 DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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| | | | | <p>MAKE: Piper MODEL: PA-34-220T S/N 3449093 REG NO: N574JD WORK ORDER: 13085</p> <p>Turbine Aircraft Services, LLC. Repair Station No. TBWR469X 7101 Millionaire Drive, Hangar 21 Bethany, Oklahoma 73008 Phone: 405-491-8995</p> <p>DATE: 04 August, 2023 A/C TSN: 2260.3 HOBBS: 2260.3</p> <p>Airframe Entries</p> <p>(3) Completed an Annual Aircraft inspection in accordance with the PA-34-220T series maintenance manual 100 hour checklist P/N 761-888 Dated September 30, 2018 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.</p> <p>(22) Complied with FAR 91.207(d) ELT Inspection and Functional check. ELT P/N 453-6603, S/N 188-15128 function check good. Battery Expires AUG/ 2027.</p> <p>(23) Completed annual hand held fire extinguisher weight check. P/N A344T, S/N G-99197417. Wt: 1.5 lbs.</p> <p>(24) Inspected and serviced aircraft battery, box and cables.</p> <p>(25) A.D. 2004-25-16 R1 Effective date 20/June/2002 To prevent failure of the fuel regulator shutoff valve, which could result in fuel leakage in aircraft. Inspected shutoff valve. No defects noted. Inspection due in 100.0 hours or Heater hour meter: 400.9. Current heater hour meter time; 300.9</p> <p>(28) A.D. 2004-21-05 Effective date 19/Nov/2004 [Recurring] To prevent combustion by- products (carbon-monoxide exhaust) and fuel leakage from the combustion heaters. Performed Pressure Decay Test. No defects noted. Due inspection again at Heater hour meter: 400.9 or 24 months. Which ever comes first. Current heater hour meter time; 300.9</p> <p>(29) A.D. 2023-09-09. Effective date 17/JUL/2023. To prevent failure of the spot-welded. Multi-Segment exhaust tailpipe V-Band Coupling. Completed clamp inspections per AD 2023-09-09 para (h)(1)(i) thru (2)(ii) and (k)(1) thru (k)(7). No deformations, discolorations, or cracks were found. Left and right engine exhaust tailpipe V-Band Couplings have a time in service of 419.2 hours at this time. Clamps are life limited to 500 hours and are due inspection in 6 months from this date. Due January 3rd 2024 or replacement at ACTT: 2341.1</p> <p>(30) Complied with the JPI EDM-960 Annual Maintenance Instructions with reference to Paragraph 9.0 of the EDM-960 Instructions for Continued Airworthiness, Supplement Number 960-01, Rev. A, dated 08/APR/2014, with no discrepancies noted.</p> <p>(31) Complied with the Pulselite System Annual Functional Test with reference to Paragraph 2.4.2 of the Precise Flight Instructions for Continued Airworthiness, Document Number 000PMAN0002, Rev. G, dated 06/MAY/2020, with no discrepancies noted.</p> <p>(32) Complied with the Annual Brackett Air Filter Inspection Procedures with reference to Brackett Air Filter Document I-194, dated 16/MAR/1994 with no discrepancies noted. New induction air filters installed at this time.</p> |
| | | | | 1 of 2 |

| YEAR 20 DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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| | | | | <p>(33) Complied with an inspection of the installation of the Bob Fields Inflatable Door Seal, installed under STC SA4234WE, with reference to AC 43.13-1B. No STC holder ICA data available. No defects were noted at this time.</p> <p>(34) Complied with the Garmin G600 System 12 Calendar Month Visual Inspections with reference to Paragraph 2.5 of the G500/G600 PFD/MFD System Instructions for Continued Airworthiness, Drawing Number 190-00601-00, Rev. M, dated 17/NOV/2016 with no discrepancies noted.</p> <p>(35) Complied with the Garmin GNS 530W System 12 Calendar Month Visual Inspections with reference to Paragraph 2.5 of the 500W Series Instructions for Continued Airworthiness, Drawing Number 190-00357-65, Rev. D, dated 20/NOV/2014 and with no discrepancies noted.</p> <p>(36) Complied with the Garmin GNS 430W System 12 Calendar Month Visual Inspections with reference to Paragraph 2.5 of the 400W Series Instructions for Continued Airworthiness, Drawing Number 190-00356-65, Rev. D, dated 20/NOV/2014 and with no discrepancies noted.</p> <p>(37) Complied with the Garmin GTX 345 12 Calendar Month Equipment Visual Inspection with reference to Paragraph 4.4 of the GTX 33X and 3X5 ADS-B Maintenance Manual, Document Number 190-00734-11, Rev. 8, dated 16/JUN/2021 with no discrepancies noted.</p> <p>(38) Complied with the Sandia SAI 340 Attitude Indicator Annual Maintenance Instructions with reference Paragraph 5 of the Sandia SAI 340 Instructions for Continued Airworthiness, Document Number 3449093CTASAI340, Dated 18/AUG/2016 found in the aircraft's permanent records. No defects were noted at this time.</p> <p>(39) Cleaned serviced and lubed aircraft. Engine ground run normal, no leaks noted.</p> <p>The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 13085 Dated 04 August, 2023.</p> <p>DATE: 04 August, 2023 SIGNED:  Work Order: 13085 James C. Morphew Certified Repair Station No. TBWR469X Printed by EBis 3 (datcomedia.com)</p> |
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| YEAR 20 DATE | RECORDING TACH TIME | TODAY'S FLIGHT | TOTAL TIME IN SERVICE | Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) |
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MAKE: Piper
MODEL: Pa-34-220T
S/N: 3449093
REG: NO: N574JD
WORK ORDER: 12978



Turbine Aircraft Services, LLC.

Repair Station No: TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone: 405-491-8995

DATE: 23 December, 2022
A/C TSN: 2239 1
HOBBS: 2239 1

Airframe Entries

(3) Installed new left propeller deice brush block assemblies. P/N 3E2011-1. Functional check good.

The aircraft and/or component(s) on N574JD was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. Pertinent details of the inspection/repair are on file at this Repair Station No: TBWR469X under Work Order No: 12978 Dated 23 December, 2022

DATE: 23 December, 2022

SIGNED:

James C. Myrphew
Certified Repair Station No: TBWR469X

Work Order: 12978

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wo: WO0299

Airframe - page 1 of 1



Arcus Aero - 508 LV Selz Rd - Bridgeport, Texas 76426 - 3073882288

N574JD
TACH: 137.4

Piper, PA-34-220T, S/N: 3449093

January 11, 2024

Replace both main wheel tires and tubes. Installed (2) P/N 072-317-0 - Concord tire 6.00-6 8ply, Installed (2) P/N GL-6020B - Leak guard inner tube 600-6 straight stem.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Arcus Aero under work order: WO0299.

James Lewis A&P and IA 4009675