

N552TC

Logbook 2

EPILATUS

PCI2

AIRCRAFT LOG

PILATUS

CH-6371 STANS
SWITZERLAND

PC-12

443

AIRCRAFT DESCRIPTION

Registration No. N352TC

Model: PC12/45

Serial No.: 443 Type Certificate No.: A78EU

Colors: _____

Engine Manufacturer: PRATT-WHITNEY Propeller Manufacturer: HARTZELL MT

Original Engine Model: PT6A-67B Original Propeller Model: _____

Serial Number: PCE-PRO309 Hub or Serial Number: _____

Blade Serial Number:

ANNUAL INSPECTION SUMMARY



AIRFRAME
Pilatus PC12/45

N552TC
AC Hobbs: 2487.9

7/20/2016
S/N: 443

1. Complied with **24 month** altimeter and transponder checks as required by **CFR 91.411 and 91.413** and was found to comply with CFR Part 43 Appendixes E and F. The altimeter(s) were tested to 30,000 feet.
2. Work accomplished IAW Doc. 02049 MM Rev. 31.


THIS AIRCRAFT WAS INSPECTED AND/OR REPAIRED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION WORK ORDER: 4032741

INSPECTOR: 

EXECUTIVE AIRCRAFT MAINTENANCE FAA APPROVED REPAIR STATION E27R1730
7920 E. GREENWAY ROAD SCOTTSDALE, AZ 85260 480-991-0900

100-HOUR INSPECTION SUMMARY

(SEE LOG FOR DETAILS)

| Date | Time on Aircraft | Recorder Reading | Accomplished By | Certificate No. | |
|------|------------------|------------------|--|--|---|
| | | | Registration #: N552TC Hobbs: 2487.9 VCCS Hours: 644.4 | Total Aircraft Time: 2487.9 Total Engine Time: 2487.9 Total Propeller Time: 2149.9 Work Order #: 3142 | Total Aircraft Cycles: 1791 Total Engine Cycles: 1791 Total Propeller TSOH: 90 Date: 7/20/2016 |
| | | | PC-12/45, S/N 443 -Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 hour checklist. -Airworthiness Directive compliance checked through Revision 2016-14 -Complied with continued airworthiness inspection requirements for installed equipment. | | |
| | | | Aircraft Maintenance Actions -Removed and replaced RH Main Landing gear Tire P/N 850T06-3. -Performed NDT on RH MLG wheel halves by Canyon State inspection CRS HI3D554L no defects noted. -Replaced Rear Nav light bulb P/N 972.87.87.184 ops check good. -Replaced Tail red beacon Bulb P/N 972.87.87.184 ops check good. Replaced Generator P/N 23085-029 S/N P1015 Installed new Generator P/N 23085-029 | | |
| | | | I certify that this Airframe has been inspected in accordance with a Pilatus 100 Hour Inspection and was determined to be in airworthy condition and is approved for return to service. Work was performed referencing Pilatus PC12/45 MM Revision 25. Pertinent details are on file at this facility under the work order referenced below. | | |
| | | | For Tempus Aircraft Sales & Service: WO# 3142 |  Inspector, A&P 3114823 | |

100-HOUR INSPECTION SUMMARY

(SEE LOG FOR DETAILS)

| Date | Time on | Recorder | Accomplished By | Certificate No. |
|------|---------|----------|-----------------|-----------------|
|------|---------|----------|-----------------|-----------------|



N552TC

AIRFRAME
Pilatus PC-12

8/12/2016
S/N: 443

HOBBS: 2525.1

Removed #1 KT-70 Transponder P/N 066-01141-0201, S/N 30861. Installed GTX345 Transponder P/N 011-03302-00, S/N 3UG001770 into the #2 position. Fabricated jumper to move #2 transponder to the #1 position. Interfaced the #2 transponder to the GTX750, GTS800, Flightstream 210 and GMA340 IAW STC SA01714W1, Approved Model List and Installation Manual 190-00734-10 Rev 6. Instructions for Continued Airworthiness are contained in GTX345 Maintenance Manual 190-00734-11 Rev 4 Chapter 4. GTX345 Airplane Flight Manual Supplement 190-00734-15 Rev 2, dated 2/29/2016 inserted into POH. Weight and Balance is Negligible

Performed tests and inspections required following installation or maintenance on the ATC transponder required by FAR 91.413 and found the integrated system to comply with Paragraph (c) Appendix E of FAR Part 43. Performed functional checks and leak checks as required with no defects noted.

Work performed in reference to PC12 MM 02049 Rev 31 and above references

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED/REPAIRED IN ACCORDANCE WITH CURRENT FARs AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 4032310.

INSPECTOR:

EXECUTIVE AIRCRAFT MAINTENANCE FAA APPROVED REPAIR STATION E27R1730
7920 E. GREENWAY ROAD SCOTTSDALE, AZ 85260 480-991-0900

100-HOUR INSPECTION SUMMARY



Registration #: N552TC
Hobbs: 2589.9
VCCS Hours: 678.3

Total Aircraft Time: 2589.9
Total Engine Time: 2589.9
Total Propeller Time: 154.8
Work Order #: A3227

Total Aircraft Cycles: 1858
Total Engine Cycles:
Total Propeller TSOH:
Date: 11/03/2016

PC-12/45, S/N 443

- Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 hour checklist.
- Airworthiness Directive compliance checked through Revision 2016-22.
- Serviced aircraft oxygen referencing Pilatus PC-12 AMM Section DMC-12-A-12-10-05-00A-902A-A.
- Downloaded trend monitoring information and forwarded to The Trend Group.
- Complied with continued airworthiness inspection requirements for installed equipment as required.

Aircraft Scheduled Maintenance and Inspections

- Complied with 6 month application of Age Master to surface deicers referencing Pilatus PC-12 AMM Section DMC-12-A-05-10-20-00A-281A-A.
- Complied with 12 month corrosion and preventative compound condition inspection referencing Pilatus PC-12 AMM Section DMC-12-A-20-40-00-00A-901A-A. No discrepancies noted.
- Complied with 6 month/600 hour lead acid battery capacity test for main and secondary batteries referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-07-00A-920A-A and Concorde CMM 24-30-71. Main battery tests good at 90% capacity and secondary battery tests good at 90% capacity. Next capacity test due 6 months/600 hours.
- Complied with 1 year/150 hour flap actuator lubrication service referencing Pilatus PC-12 AMM Section DMC-12-A-27-50-00-00A-902A-A.
- Complied with 1 year/150 hour inboard flap drive arm in-situ inspection/check referencing Pilatus PC-12 AMM Section DMC-12-A-27-51-00-00A-313A-A. No discrepancies noted.
- Complied with 1 year crew oxygen mask operational test and cleaning referencing Zodiac Aerospace MC10 Series Operating and Maintenance Instructions 4NUT0045A. Operational test satisfactory.
- Complied with 200 Hour lap up and down limit switch serviced Ref. DMC-12-A-12-20-07-00A-902A-A.

I certify that this Airframe has been inspected in accordance with a **Pilatus 100 Hour Inspection** and was determined to be in airworthy condition and is approved for return to service. Pertinent details are on file at this facility under the work order referenced below.

For Tempus Aircraft Sales & Service
WO# A3227

Eric Coleman A&P 3720960

LATEST FAA MAJOR REPAIR AND ALTERATION FORM



Registration #: N552TC Total Aircraft Time: 2704.5 Total Aircraft Cycles: 1913
 Hobbs: 2704.5 Total Engine Time: 2704.5 Total Engine Cycles: 1913
 VCCS Hours: 684.4 Total Propeller Time: 269.4 Total Propeller TSOH: 269.4
 Work Order #: A3281 Date: 01/11/2017

Date

Moment

PC-12/45, S/N 443

- Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 hour checklist.
- Aircraft Airworthiness Directives and Service Bulletins**
- Complied with Pilatus AD2016-26-08 "Chapter 4 Limitations of Landing 6 year Inspections for Corrosion as per Maintenance Manual Instructions" See Work Order #1311 06/16/2016 on file at Tempus Jets.
- Airworthiness Directive compliance checked through Revision 2017-01
- Downloaded trend monitoring information and forwarded to The Trend Group.
- Complied with continued airworthiness inspection requirements for installed equipment as required.
- Aircraft Scheduled Maintenance and Inspections**
- Complied with 1 year/150 hour flap actuator lubrication service referencing Pilatus PC-12 AMM Section DMC-12-A-27-50-00-00A-902A-A.
- Removed Gas Strut P/N 552.30.12.427 Replaced with new Gas Strut P/N 552.30.12.427 Ref. DMC-12-A-52-30-06-00A-920A-A Operations check no Defects found

I certify that this Airframe has been inspected in accordance with a **Pilatus 100 Hour Inspection** and was determined to be in airworthy condition and is approved for return to service. Pertinent details are on file at this facility under the work order referenced below.

For Tempus Aircraft Sales & Service
 WO# A3281


 Eric Coleman A&P 3720960



Registration #: N552TC Total Aircraft Time: 2832.9 Total Aircraft Cycles: 1973
 Hobbs: 2832.9 Total Engine Time: 2832.9 Total Engine Cycles: 1973
 VCCS Hours: 697.8 Total Propeller Time: 397.8 Total Propeller TSOH: 397.8
 Work Order #: A3379 Date: 05/13/2017

PC-12/45, S/N 443

- Performed an **Annual Inspection** using the Pilatus PC-12/45 checklist and FAR 43 Appendix D.
- Airworthiness Directive compliance checked through Revision 2017-09.
- Serviced aircraft oxygen referencing Pilatus PC-12 AMM Section DMC-12-A-12-10-05-00A-902A-A.
- Complied with continued airworthiness inspection requirements for installed equipment as required.

Aircraft Airworthiness Directives and Service Bulletins

-Complied with Pilatus flap control system current surges by performing wing flap actuator backlash check referencing Pilatus PC-12 AMM Section DMC-12-A-27-50-03-00A-313A-A and AD 2001-25-10 with results as follows:

| | P/N | S/N | Previous Backlash | Current Backlash | Total Hours | Total Lndgs |
|---------|---------------|------|-------------------|------------------|-------------|-------------|
| Rt Otbd | 978.73.20.309 | 1409 | .008 | .006 | 2832.9 | 1973 |
| Rt Inbd | 978.73.20.309 | 0131 | .009 | .007 | 2832.9 | 1973 |
| Lt Otbd | 978.73.20.309 | 1044 | .008 | .008 | 2832.9 | 1973 |
| Lt Inbd | 978.73.20.309 | 1387 | .009 | .006 | 2832.9 | 1973 |

-Aircraft total landings 1973. Recurring inspection due each 600 hours or annual inspection. Next inspection due at 3432.9 hours or 05/2018.

Aircraft Scheduled Maintenance and Inspections

- Complied with 6 month application of AgeMaster to surface de-icers referencing Pilatus PC-12 AMM Section DMC-12-A-05-10-20-00A-281A-A.
- Complied with 1 year/3000 hour horizontal stabilizer trim runaway aural warning functional test referencing Pilatus PC-12 AMM Section DMC-12-A-27-40-00-00A-903A-A. Functional test satisfactory.
- Complied with 1 year fire extinguisher contents check referencing Pilatus PC-12 AMM Section DMC-12-A-26-20-00-00A-040A-A. No discrepancies noted.
- Complied with 1 year/150 hour flap actuator lubrication service referencing Pilatus PC-12 AMM Section DMC-12-A-27-50-00-00A-902A-A.
- Complied with 1 year/150 hour inboard flap drive arm in-situ inspection/check referencing Pilatus PC-12 AMM Section DMC-12-A-27-51-00-00A-313A-A. No discrepancies noted.
- Complied with 5 year/2000 hour flight control cable inspection referencing Pilatus PC-12 AMM Section DMC-12-A-27-00-00-00A-313A-A. No discrepancies noted.

AIRFRAME (Continued)

- Complied with 12 month lubrication of main and nose wheel bearings referencing Pilatus PC-12 AMM Section DMC-12-A-12-20-06-00A-902A-A.
- Complied with 1 year/2000 hour MLG axle and bushing inspection referencing Pilatus PC-12 AMM Section DMC-12-A-32-10-00-00A-313A-A. No discrepancies noted.
- Complied with 1 year/500 hour engine torque and stick pusher torque transducer electrical connectors cleaning referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-03-00A-250A-A.
- Complied with 1 year/3000 hour propeller feathering microswitch functional tests referencing Pilatus PC-12 AMM Section DMC-12-A-76-10-02-00A-903A-A. Functional test satisfactory.
- Complied with 6 month/600 hour main lead acid battery capacity test referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-07-00A-920A-A and Concorde CMM 24-30-71. Main battery tests good at 85% - 90% capacity. Next capacity test due 3 months/300 hours.
- Complied with 6 month/600 hour second lead acid battery capacity test referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-07-00A-920A-A and Concorde CMM 24-30-71. Second battery failed capacity. Replaced battery with new P/N: **RG-380E/24 S/N: 40731632**. Next capacity test due 12 months/1000 hours.
- Complied with 200 hour starter/generator brush check referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-01-00A-313A-A. No discrepancies noted.
- Complied with 1 year VCCS cleaning/inspection referencing Enviro Systems CMM 21-00-23. No discrepancies noted.
- Complied with 1 year/1000 hour autopilot clutch torque check referencing Pilatus PC-12 AMM Section DMC-12-A-22-10-00-00A-313A-A. No discrepancies noted.
- Complied with 1 year ELT inspection referencing FAR 91.207 (d). Sent ELT to MidContinent Instruments for repair (ref MidContinent 8130-3 No. 305839, w/o: 200879568, dated: 05/09/2017).
- Complied with 2 year CAWS battery replacement. Installed new battery PN: 87F6405 referencing Pilatus PC-12 AMM Section DMC-12-A-31-50-03-00A-920A-A. Next Replacement Due: May 2019
- Complied with 2 year/3000 hour pressurization outflow valve and safety valve cleaning referencing Pilatus PC-12 AMM Section DMC-12-A-21-30-01-00A-250A-A.
- Complied with 400 hour generator 2 brush inspection referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-02-00A-313A-A. No discrepancies noted.
- Complied with 2 year generator 1 and 2 ground point inspection and cleaning referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-00-00A-901A-A. No discrepancies noted.
- Complied with 200 hours/12 months flap up and down limit switches servicing referencing Pilatus PC-12 AMM Section DMC-12-A-12-20-07-00A-902A-A.
- Complied with 500 hour re-oil of the cold air unit referencing Pilatus PC-12 AMM Section DMC-12-A-21-40-01-00A-902A-A.
- Complied with 500 hour ECS water separator condenser cleaning referencing Pilatus PC-12 AMM Section DMC-12-A-21-40-02-00A-250A-A.

AIRFRAME (Continued)

- Complied with 500 hour refrigeration pack heat exchanger matrix inspection referencing Pilatus PC-12 AMM Section DMC-12-A-21-40-01-00A-313A-A. No discrepancies noted.
 - Complied with 5 year duct overtemperature switch functional test referencing Pilatus PC-12 AMM Section DMC-12-A-21-60-05-00A-903A-A. Functional test satisfactory.
 - Complied with 5 year ECS overtemperature switch functional test referencing Pilatus PC-12 AMM Section DMC-12-A-21-40-06-00A-903A-A. Functional test satisfactory.
 - Complied with 3000 hour/2 year cabin positive pressure relief function test referencing Pilatus PC-12 AMM Section DMC-12-A-21-30-00-00A-903A-A. Operational test satisfactory.
 - Complied with 2 year magnetic compass calibration referencing Pilatus PC-12 AMM section DMC-12-A-34-21-00-00A-903A-A.
 - Complied with 300 hour/400 landings NLG right hand drag link inspection (ref. Canyon State Field Insp. Report w/o: AC17-0513 dated: 05/10/2017). No defects noted at this time.
- Aircraft Maintenance Actions**
- Removed & replaced the left MLG tire with new, P/N **850T06-3 S/N 62702293**. Cleaned, inspected, and serviced the left wheel bearings referencing Parker Hannifin Corporation CMM CM40-424.
 - Removed & replaced the right MLG tire with new, P/N **850T06-3 S/N 51652162**. Cleaned, inspected, and serviced the right wheel bearings referencing Parker Hannifin Corporation CMM CM40-424.
 - Installed new pass/crew door outer placard PN: 511.21.12.036 referencing Pilatus PC-12 AMM Section DMC-12-A-11-00-00-00A-901A-A.
 - Installed 2 new ground placards PN: 511.23.12.026 on nose gear referencing Pilatus PC-12 AMM Section DMC-12-A-11-00-00-00A-901A-A.
 - Installed 3 segments of anti-chafe strips around right hand main gear door referencing Pilatus PC-12 AMM Section DMC-12-A-20-50-01-00A-904A-A.
 - Installed new anchor point placard PN: 511.23.12.025 on left side of nose gear referencing Pilatus PC-12 AMM Section DMC-12-A-11-00-00-00A-901A-A.
 - Removed & replaced tail upper beacon lamp P/N: 1924 referencing Pilatus AMM section DMC-12-A-33-46-01-00A-920A-A. Operational check normal.

The airframe identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and approved for return to service. Pertinent details of the repair are on file at this facility under the work order referenced below.

For Tempus Jets:
WO# A3379


Randy Vetter Jr., A&P IA 2744696

TEMPUS JETS

Registration #: N552TC
Hobbs: 2868.0
VCCS Hours:

Total Aircraft Time: 2868.0
Total Engine Time:
Total Propeller Time: 432.9
Work Order #: A3414

Total Aircraft Cycles: 2009
Total Engine Cycles:
Total Propeller TSOH: 432.9
Date: 06/21/2017

Pilatus PC-12/45, S/N 443

Aircraft Maintenance Actions

-Removed and replaced #5 boot PN: BFG 4E3545-2 referencing MT-Propeller overhaul manual ATA 61-12-90 (E-1290) Rev.19 Dated Jan 2012

The Aircraft was repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and the manufacturer's approved maintenance instructions, and is approved for return to service. Pertinent details are on file at this facility under the work order referenced below.

For Tempus Jets:

WO# A3414


Steven Csuy, A&P 3689124

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TEMPUS JETS

Registration #: N552TC
Hobbs: 2923.9
VCCS Hours: 726.8

Total Aircraft Time: 2923.9
Total Engine Time: 2923.9
Total Propeller Time: 954.6
Work Order #: A3463

Total Aircraft Cycles: 2034
Total Engine Cycles: 2034
Total Propeller TSOH: 526.0
Date: 08/04/2017

PC-12/45, S/N 443

- Performed a **100 Hour Inspection** using the Pilatus PC-12/45 100 hour checklist.
- Airworthiness Directive compliance checked through Revision 2017-15.
- Downloaded trend monitoring information and forwarded to The Trend Group.
- Complied with continued airworthiness inspection requirements for installed equipment as required.

Aircraft Scheduled Maintenance and Inspections

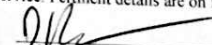
- Complied with 1 year/150 hour flap actuator lubrication service referencing Pilatus PC-12 AMM Section DMC-12-A-27-50-00-00A-902A-A.
- Complied with 150 hour flap In-situ inspection / check of inboard flap drive arms referencing Pilatus PC-12 AMM Section DMC-12-A-27-51-00-00A-313A-A. No discrepancies.
- Complied with 1 year inspection of main landing gear shock absorber top and bottom bolts and nuts referencing Pilatus PC-12 AMM Section 12-A-32-10-00-00A-310A-A. No Discrepancies noted.

Aircraft Maintenance Actions

- Removed and replaced contact on lavatory flush system with new part P/N: 971.80.02.184. Operation checks good. Reference Pilatus PC-12 AMM Section DMC-12-A-20-20-10-00A-040A-A
- Re-secured lavatory oxygen mask cover referencing Pilatus PC-12 AMM Section DMC-12-A-20-31-00-00A-0711-A.
- Removed RH AOA transmitter P/N: 0012AC10 S/N: 0362 and replaced RH AOA transmitter with a repaired part P/N: 0012AC12 S/N: 0989 (ref. Rosemount Aerospace 8130 form No. 5259961, W/O No. 41725651 R42181, dated 31-Jul-2017, CRS No. RJLR391K) Operation/Functional tests normal. Reference Pilatus PC-12 AMM section DMC-12-A-22-20-02-00A-920A-A.
- Replaced 5 Bulbs in Gen1 Bus C/B panel P/ N: 972.73.19.109 referencing Pilatus PC-12 AMM Ch. DMC-12-A-33-10-01-00A-920A-A. Bulbs functional check normal.

I certify that this **Airframe** has been inspected in accordance with a **Pilatus 100 Hour Inspection** and was determined to be in airworthy condition and is approved for return to service. Pertinent details are on file at this facility under the work order referenced below.

For Tempus Jets:
WO# A3463


Jordan Mohr, A&P 3428732

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AIRCRAFT LOG

TEMPUS JETS

Registration #: N552TC
 Hobbs: 3011.2
 VCCS Hours: NA

Total Aircraft Time: 3011.2
 Total Engine Time: 3011.2
 Total Propeller Time: NA
 Work Order #: A3554

Total Aircraft Cycles: 2107
 Total Engine Cycles: 2107
 Total Propeller TSOH: NA
 Date: 11/15/2017

PC-12/45, S/N 443

Aircraft Airworthiness Directives and Service Bulletins

- AD 2017-16-01 not applicable, Ameri-king ELT not installed in aircraft.
- AD 2017-18-12 B/E not applicable, PBE not installed in aircraft.
- AD 2015-10-51 not applicable, Avidyne IFD not installed in aircraft.
- AD 2015-10-51/E not applicable, Avidyne IFD not installed in aircraft.
- SB 32-018 Inspection and replacement special bolt assembly, not applicable, s/n of applicable bolts not installed in aircraft.
- SB 32-020 Landing Gear - Main landing gear special bolts - Inspection and replacement, not applicable, s/n of applicable bolts not installed in aircraft.
- Complied with Pilatus SB 57-006 Flap Supports, by inspecting flap support arm attachment bolts and shims. No discrepancies noted.

Aircraft Scheduled Maintenance and Inspections

- Complied with 12 month corrosion and preventative compound condition inspection referencing Pilatus PC-12 AMM Section 12-A-20-40-00-00A-901A-A. No discrepancies noted.

This Aircraft was repaired and/or inspected in accordance with current Regulations of the Federal Aviation Administration and the manufacturer's approved maintenance instructions, and is approved for return to service. Pertinent details are on file at this facility under the work order referenced below.

For Tempus Aircraft Sales & Service:

WO# A3554


 Jordan Mohr, A&P 3428732

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Registration No.

TEMPUS JETS

Registration #: N552TC
 Hobbs: 3022.3
 VCCS Hours: 757.3

Total Aircraft Time: 3022.3
 Total Engine Time: 3022.3
 Total Propeller Time: 1053
 Work Order #: A3563

Total Aircraft Cycles: 2117
 Total Engine Cycles: 2117
 Total Propeller TSOH: 627.4
 Date: 12/11/2017

PC-12/45, S/N 443

- Performed a **100 Hour Inspection** using the Pilatus PC-12/45 100 hour checklist.
- Airworthiness Directive compliance checked through Revision 2017-25.
- Downloaded trend monitoring information and forwarded to The Trend Group.
- Complied with continued airworthiness inspection requirements for installed equipment as required.

Aircraft Airworthiness Directives and Service Bulletins

- Complied with Pilatus SB 31-019 Indicating / Recording Systems - Overhead Control - Replacement of the Master Power Switch Guard, by replacing the master power switch guard with P/N 973.52.63.921, referencing the Pilatus PC-12 AMM Section 12-A-31-10-00-00A-920A-A and Mattblack Systems Document No. JWPII PC12 OH02 SB01 Rev 2. Operational check normal.

Aircraft Scheduled Maintenance and Inspections

- Complied with 6 month application of AgeMaster to surface de-icers referencing Pilatus PC-12 AMM Section 12-A-05-10-20-00A-281A-A.
- Complied with 1 year/150 hour flap actuator lubrication service referencing Pilatus PC-12 AMM Section 12-A-27-50-00-00A-902A-A.
- Complied with 1 year/150 hour inboard flap drive arm in-situ inspection/check referencing Pilatus PC-12 AMM Section 12-A-27-51-00-00A-313A-A. No discrepancies noted.
- Complied with 200 hour starter/generator brush check referencing Pilatus PC-12 AMM Section 12-A-24-30-01-00A-313A-A. No discrepancies noted.
- Complied with 1000 hour fuel cross vent and outward check valve operational test referencing Pilatus PC-12 AMM Section 12-A-28-10-01-00A-903A-A. Operational test satisfactory.
- Complied with 500 hour VCCS motor drive belt tension check referencing Pilatus PC-12 AMM Section 12-A-21-50-00-00A-903A-A. No discrepancies noted.
- Complied with 500 hour VCCS compressor drive motor brush replacement and inspection referencing Pilatus PC-12 AMM Section 12-A-21-50-03-00A-313A-A and Enviro CMM 21-00-23. No discrepancies noted.
- Complied with 200 hr/12 months flap up and down limit switch servicing referencing Pilatus PC-12 AMM Section 12-A-12-20-07-00A-902A-A.

AIRCRAFT LOG

AIRFRAME (continued)

N552TC

Work Order # A3563

Aircraft Maintenance Actions

- Replaced leaking RH out board fuel sump drain P/N 115.55.07.209 referencing the Pilatus PC-12 AMM Section 12-A-28-10-02-00A-920A-A. Leak check satisfactory.
- Removed and replaced broken dowel pin P/N 40630121 In FWD hinge on side table between passenger seats 2 and 4, and reattached table trim as required, referencing the Pilatus PC-12 AMM Section 12-A-25-21-03-00A-920A-A.
- Reattached passenger seat #6 O2 mask pocket to arm rest as required, referencing the Pilatus PC-12 AMM Section 12-A-25-21-03-00A-920A-A, and 12-A-35-20-03-00A-920A-A. Operational checks normal.
- Removed and replaced engine cowling chafe tape as required.
- Removed and replaced worn erosion tape P/N 3M8671-2 on the leading edges of the LH and RH winglets and the leading edges of the LH and RH NLG doors, referencing the 3M Polyurethane Protective Tape Technical bulletin from December 2008.

I certify that this Aircraft has been inspected in accordance with a **Pilatus 100 Hour Inspection** and was determined to be in airworthy condition and is approved for return to service. Pertinent details are on file at this facility under the work order referenced below.

For Tempus Aircraft Sales & Service:
WO# A3563


Jeffrey Ganter A&P 3787587 IA

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| | | | |
| | | | |
| Total to Carry Forward | | | |

Registration No. _____



JUNE 18, 2018

N552TC, PC-12/45, S/N 443

AIRFRAME TT: 3,146.6 LANDINGS: 2,198

PROPELLER TT: 1,176.6 TSO: NEW

ENGINE TT: 3,146.6 TC: 2198

AIRFRAME

INSPECTIONS

- Complied with 12 Month Annual Airframe Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 dated 9-Feb-2018, Chapter 12-B-05-20-20-00A-281A-A. Annual Airframe Inspection resets 100 Hr. Airframe Inspection.
- Complied with 500 Hr. VCCS Drive Belt Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-21-50-00-00A-903B-A.
- Complied with 500 Hr. VCCS Compressor Motor Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-21-50-03-00A-313A-A.
- Complied with 12 Month VCCS Compressor Condenser Cleaning IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-21-50-01-00A-920B-A.
- Complied with 600 Hr. / 6 Month Lead Acid Battery Capacity Check IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-24-30-07-00A-920A-A. Battery P/N 7638-44 S/N G02680157 Battery passed at 119.8%
- Complied with 200 Hr. Starter-Generator Brushes Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-24-30-01-00A-313A-A.
- Complied with 400 Hr. Generator 2 Brushes Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-24-30-02-00A-313A-A.
- Complied with 1000 Hr. Generator 2 Drive Assembly Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-24-30-04-00A-313A-A.
- Complied with 12 Month Fire Extinguisher Contents Check IAW manufacturer's instructions on Amerex Model # C352. Weighed 4 lbs. 10 oz.
- Complied with 1200 Hr. / 12 Month Aileron Control System Bearing Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-10-00-00A-901A-A.
- Complied with 200 Hr. / 12 Month Flap Up & Down Switches Servicing IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-12-20-07-00A-902A-A.
- Complied with 36 Month Passenger Oxygen Mask Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-35-20-00-00A-313A-A.
- Complied with 500 Hr. / 12 Month Powerplant Torque Limiter Operational Test IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-71-00-00-00A-903A-A.
- Complied with 500 Hr. / 12 Month Powerplant Performance Operational Test IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-71-00-00-00A-903A-A. 2018, Chapter 12-A-71-00-03-00A-250A-A.
- Complied with 1000 Hr. / 12 Month Pitch, Roll, Yaw Servo Clutch Check IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-22-10-00-00A-313A-A.
- Complied with 150 Hr. / 12 Month Lube on Black Flap Actuators IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-50-00-00A-902A-A.
- Complied with 1000 Hr. / 12 Month / 1300 Landings Left Inboard Flap Actuator Backlash Check IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-50-03-00A-313B-A. LHIN: .007", LHOUT: .008", RHIN: .005", RHOUT: .008"
- Complied with 150 Hr. / 12 Month Inboard Flap Arms In-Situ Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-51-00-00A-313A-A.
- Complied with 2000 Hr. / 12 Month Left & Right MLG Hinge Pin & Bushes Inspection/Check IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-10-00-00A-313A-A.
- Complied with 400 Hr. Fuel Manifold Adapters & Nozzles Flow Check IAW P&WC PT6A-67B/-67P MM #3038336, Rev 47.1 dated 28-MAY-2018, Chapter 73-11-05, par. 5. (See FAA Form 8130-3 from Dallas Airmotive CRS # YRR4491L, WO# RPR49620 date 06/07/2018)-00-00, Table 601
- Complied with 3000 Hr. / 12 Month Horizontal Stabilizer Trim Runaway Aural Warning Functional Test IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-40-00-00A-903A-A.
- Complied with 1000 Hr. / 48 Month Fuel Low Level Warning System IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-28-40-00-00A-903A-A.

CONTINUED ON NEXT PAGE

AIRCRAFT LOG

CONTINUED FROM PREVIOUS PAGE

- Complied with 6 Month Airfoil Deicer Boot Age Master No 1 Treatment IAW Goodrich CMM 30-10-31.
- Complied with 300 Hr. / 400 Landing NLG Upper Drag Link Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-20-06-00A-313A-A (See Canyon State Inspection, CRS # H13D554L, CSI Job # AC18-0891 dated 06/02/2018)
- Complied with 3000 Hr. / 12 Month Propeller Feathering Microswitches Functional Test IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-76-10-02-00A-903A-A.
- Complied with 12 Month Internal Corrosion Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-20-40-00-00A-901A-A.
- Complied with 12 Month External Corrosion Inspection Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-20-40-00-00A-901A-A.
- Complied with 12 Month MLG Shock Absorber Top & Bottom Attachment Bolts & Nuts Inspection Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-10-00-00A-310A-A.
- Complied with 12 Month Main & Nose Wheel Bearing Lubrication IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-12-20-06-00A-902A-A.

AD's & SB's:

- AD research completed thru Biweekly Issue 2018-12
- Complied with AD 2001-25-10, dated 01/25/2002 by compliance with paragraph d, item #5 backlash measurement IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-50-03-00A-313B-A. LHIN: .007", LHOUT: .008", RHIN: .005", RHOUT: .008". **NEXT DUE @ 06/18/2019 or 4146.6 Total Time or 3498 Total Landings**

OTHER MAINTENANCE:

- Complied with Minor/Routine/100 Hr. Engine Inspection IAW PWC PT6A-67/P MM, Manual #3038336, Rev 47.1 dated 28-May-2018, CH 72-00-00, Table 601.
- Complied with 12 Month ELT Inspection IAW Kannad 406AF Operation Manual 0139162Q, Rev 14 dated 22-JUL-2013, Section 6. Meets requirements of FAR 91.207(d). ELT P/N S1821502-02 S/N J092-0048, Battery P/N S1820506-01 next due @ 06/2020
- Elevator cable tensions adjusted to within limits IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-30-00-00A-903A-A
- Rudder cable tensions adjusted to within limits IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-27-20-00-00A-903A-A
- Replaced Propeller Heat Slip Ring Brushes with new P/N: 3E2011-1, -2 & -3, IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-30-60-02-00A-920A-A.
- Replaced Nose wheel safety washer (P/N 532.20.12.121) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-40-02-00A-920A-A.
- Replaced RH & LH Main Gear Wheel Well upstops (P/N 557.24.12.209 & P/N 557.24.12.075) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-20-00-00A-901A-A.
- Replaced Nose Wheel Bearing and Races with new (Race P/N 13830 & Bearing P/N 13889) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-40-02-00A-920A-A.
- Replaced Nose Wheel Bearing Seal with new (P/N 68-744) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-40-02-00A-920A-A.
- Replaced Left Main Wheel Bearing with new (P/N 214-13200) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-32-40-01-00A-920A-A.
- Replaced Generator 2 Brush Pack with new (P/N HED60-CR-132400) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-24-30-02-00A-313A-A.
- Replaced Generator 2 Drive Belt with new (P/N 945.73.11.211) IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-24-30-03-00A-920A-A.
- Serviced VCCS with Freon IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 date 9-Feb-2018, Chapter 12-A-21-50-00-00A-902B-A.

Details on file at this agency under work order # 113837

I certify that this aircraft has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition, at this time.

Chad Barta
Heliponents, Inc. FAA Repair Station # XHCR780K

END

Registration No.



JUNE 18, 2018
N552TC, PC-12/45, S/N 443
AIRFRAME TT: 3,146.6 LANDINGS: 2,198
ENGINE MFR: Pratt & Whitney M/N: PT6A-67B S/N: PCE-PR0309
ENGINE TT: 3,146.6 TC: 2,198

Signature

C/AIRFRAME

INSPECTIONS

- Complied with Lightning Strike Inspection IAW Pilatus PC-12/45 AMM, Doc 02049 Rev 35 dated 9-Feb-2018, Chapter 12-A-05-50-05-00A-282A-A.
- Complied with Lightning Strike Inspection IAW P&WC PT6A-67B/-67P MM #3038336, Rev 47.1 dated 28-MAY-2018, Chapter 72-00-00, par. M.

OTHER MAINTENANCE

- Performed edge delamination repair to the right wingtip, upper trailing edge IAW Pilatus PC-12/45 AMM, Doc #02050 Rev 24 dated 24-May-2018, Chapter 12-A-51-70-04-00A-663A-A, Paragraph 3.6.5
- Performed surface scratch repair to the rudder lower cap, right side IAW Pilatus PC-12/45 AMM, Doc #02050 Rev 24 dated 24-May-2018, Chapter 12-A-51-70-04-00A-663A-A, Paragraph 3.5.

Details on file at this agency under work order # 113836.

Chad Barta
Heliponents, Inc. FAA Repair Station # XHCR780K

END

AIRCRAFT LOG



**AIRFRAME
PILATUS PC-12/45**

7/18/2018
S/N: 433

N552TC
Hobbs: 3165.4

- Troubleshoot pitot-static system. Repaired # 1 pitot system lines at # 1 ADC and cabin under floor line as required. Complied with post maintenance checks IAW 14 CFR Part 91.411 and found to comply with Para. (a); Appendix E of Part 43 and 02049 MM.

THIS AIRCRAFT WAS INSPECTED AND/OR REPAIRED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERTINENT DETAILS ARE ON FILE UNDER WORK ORDER: 3402175.

John Garcia: 

A&P 3111350

EXECUTIVE AIRCRAFT MAINTENANCE
8014 E. MCCLAIN DRIVE SUITE 135, SCOTTSDALE, AZ 85260 480-991-0900

Total to
Carry Forward

Registration No. _____

and Remarks

Signature

Certificate No.



2802 Old Tower Road
Phoenix Arizona 85034
FAA Repair Station No. EKGR571D

602-267-4070 Phone
602-267-4030 FAX

| | | | | |
|--------------|----------|--|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-11165 |
| Serial No. | 443 | | Hour Meter | 3272.5 |
| Registration | N552TC | | Aircraft Total Time | 3272.5 |
| Page | 1 of 1 | | Landings | 2285 |

- Complied with propeller strike inspection. Referencing the Pilatus PC-12/45 AMM 12-A-05-50-04-00A-282A-A.
- Removed damaged MT propeller P/N MTV-27-1-N-C-F-R(P), S/N 100252 with Hub TT 1303.2 and Blades TT 2832.4.
- Installed Loaner Serviceable Hartzell propeller P/N HC-E4A-3D, S/N KX996, with a total time of 3368.5 last overhauled Dec 12, 2017 as removed from N882PC PC-12/47 S/N 882. Function and leak check good, referencing the Pilatus PC-12/45 AMM 12-A-61-10-01-00A-920A-A.
- Removed engine P/N PT6A-67B S/N PCE-PR0309, and installed Inspected engine P/N PT6A-67B, S/N PCE-PR0786 with a total time of 3168, and total cycles of 3146, see FAA form 8130-3 from Jet Engine Solutions, CRS# 5JER3963B, form tracking# JER4475, work order# PR0786, dated 11 Jan 2019, function and leak check good, referencing the Pilatus PC-12/45 AMM 12-A-05-50-04-00A-282A-A, 12-A-71-00-02-00A-920A-A, 12-A-76-10-00-00A-903A-A.
- Removed LH lower engine isolator mount P/N 944.81.21.409, S/N 0495, and installed new LH lower engine isolator mount P/N 944.81.21.409, S/N 11320, referencing the Pilatus PC-12/45 AMM 12-A-71-00-02-00A-920A-A.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: 

Kevin Reedy Date: 1-18-2019

FAA Repair Station No. EKGR571D

AIRCRAFT LOG



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| | | | | |
|--------------|----------|--------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-11165 |
| Serial No. | 443 | | Hour Meter | 3272.7 |
| Registration | N552TC | | Aircraft Total Time | 3272.7 |
| Page | 1 of 1 | | Landings | 2286 |

- Complied with 10 year replacement of cockpit fire extinguisher. Removed cockpit fire extinguisher P/N C352TS, S/N X-837417, and installed new fire extinguisher P/N C352TS, S/N E-92812692, referencing the Pilatus PC-12/45 AMM 12-A-26-20-00-00A-040A-A.
- Removed R/H NLG door assembly and installed new P/N: 532.21.12.038. Rigged and performed gear swings for functional check. Work performed referencing Pilatus PC-12 AMM, 12-A-32-20-02-00A-920A-A and 12-A-32-20-00-00A-903A-A.
- Upon further investigation dents in RH and LH exhaust stacks are out of limits, referencing the Pilatus PC-12/45 SRM 12-A-51-10-01-00A-041A-A. Removed and replaced RH exhaust stack with new P/N 578.10.12.048. Removed and replaced LH exhaust stack with new P/N 578.10.12.047, referencing the Pilatus PC-12/45 AMM 12-A-78-10-01-00A-920A-A.
- Removed transponder 2 antenna P/N S65-5366-7L, S/N 55284, and installed new transponder 2 antenna P/N S65-5366-7L, S/N 261-131705, operational check good, referencing the Pilatus PC-12/45 AMM 12-A-34-54-10-00A-903A-A, 12-A-34-54-12-00A-920A-A.
- Found several worn bushings and bolts in NLG steering linkage in NLG wheel well. Removed NLG steering linkage form NLG wheel well. Removed and replaced steering linkage bushings P/N NAS77-5-031, 941.14.11.218, 941.14.11.209, NAS77-5-037, M81934/1-05A008, 941.22.57.057, NAS77-5-020, 941.22.57.057, 941.22.57.053, and bolts P/N 932.19.60.429, NAS6605D18, 932.19.60.472, 932.19.60.469, 932.35.14.280. Reinstalled NLG steering linkage in NLG wheel well, function check good. Removed NLG wheel assy and balanced. Installed NLG wheel assy, referencing the Pilatus PC-12/45 AMM 12-A-32-40-02-00A-920A-A, 12-A-20-50-04-00A-901A-A, and Pilatus Technical Memo ECM-12-TM-10-044.
- Mapped damage on RH side of fuselage and submitted AMR to Pilatus. Repaired damage at frame 13 using 2024T3 .040 alclad aluminum Lot # 02LT13-02954, referencing Pilatus Repair Memo RM-12-001224. NDT performed by Canyon State Inspection CSI Job # AC19-204 IAW Pilatus Doc. # RM-12-001224, no indications noted. Repair painted by PDR Services. Inspected paint. Installed new oxygen placard P/N 511.21.12.039.
- Paint engine cowling, right forward side of fuselage, and right nose landing gear door performed by PDR Services. Inspected paint and installed new placards on cowling P/N 511.21.12.052, 511.21.12.053.
- Removed radome for repair. Radome painted by PDR Services. Inspected paint and installed erosion boot P/N PM-190. Installed and sealed radome, referencing the Pilatus PC-12/45 AMM 511.21.12.052.

Total to
Carry 1

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Kevin Reedy

Date:

2-8-19

FAA Repair Station No. EKGR571D

Registration No. _____



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Phoenix Arizona 85034
FAA Repair Station No. EKGR571D602-267-4070 Phone
602-267-4030 FAX

| | | | | |
|--------------|----------|--------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-11214 |
| Serial No. | 443 | | Hour Meter | 3299.5 |
| Registration | N552TC | | Aircraft Total Time | 3299.5 |
| Page | 1 of 1 | | Landings | 2308 |

- Removed rental engine P/N PT6A-67B S/N PCE- PR0786, and installed Overhauled engine P/N PT6A-67B, S/N PCE-YR491L, Work Order# OH59771, Dated 04 APR 2019, function and leak check good, referencing the Pilatus PC-12/45 AMM 12-A-05-50-04-00A-282A-A, 12-A-71-00-02-00A-920A-A, 12-A-76-10-00-00A-903A-A.
- Re-Installed loaner Hartzell propeller P/N HC-E4A-3D, S/N KX996, function and leak check good, referencing the Pilatus PC-12/45 AMM 12-A-61-10-01-00A-920A-A.
- Complied with 3500 Hour oil cooler overhaul, removed oil cooler P/N 968.32.14.102, S/N T0391, and installed overhauled oil cooler P/N 968.32.14.102, S/N T0391, see FAA form 8130-3 from Pacific Oil Cooler Services, CRS# RF3R813L, Work Order# 131805, dated 16APR19, function and leak check good, referencing the Pilatus PC-12/45 AMM 12-A-79-20-02-00A-920A-A.
- Complied with 3500 Hour engine driven fuel pump overhaul, removed engine driven fuel pump P/N RG9570R1/M, S/N B4257, and installed overhauled engine driven fuel pump P/N RG9570R1/M, S/N Quality Aircraft Accessories CRS# QY1R334Y, Work Order# 049880, dated 10APR19, function and leak check good, referencing the Pilatus PC-12/45 AMM 12-A-28-20-03-00A-920A-A.
- Complied with 3500 Hour engine shock mount replacement. Removed engine shock mounts P/N 944.81.21.409, S/N 0538, 0537, 0536, 0544, and installed new engine shock mounts P/N 944.81.21.409, S/N 10896, 10897, 10917, 10901, referencing the Pilatus PC-12/45 AMM 12-A-71-00-02-00A-920A-A.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Kevin Reedy

Date:

4-23-2019

FAA Repair Station No. EKGR571D

AIRCRAFT LOG



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602-267-4070 Phone
602-267-4030 FAX

| | | | | |
|--------------|----------|---|---------------------|-----------|
| Model | PC-12/45 | <h2 style="margin: 0;">Aircraft Maintenance Record</h2> | Work Order No. | 02M-11390 |
| Serial No. | 443 | | Hour Meter | 3329.6 |
| Registration | N552TC | | Aircraft Total Time | 3329.6 |
| Page | 1 of 4 | | Landings | 2328 |

Scheduled Maintenance or Inspections

- Complied with Annual Inspection per FAR 91.409(a)(1) and FAR 43 Appendix D by performing the following inspections:
 - C/W 300 hour inspection, referencing the Pilatus PC-12/45 AMM 12-A-05-40-01-01A-000B-A.
 - C/W 300 hour/12 month inspection, referencing the Pilatus PC-12/45 AMM 12-A-05-40-01-02A-000B-A.
 - C/W 600 hour/12 month inspection, referencing the Pilatus PC-12/45 AMM 12-A-05-40-01-04A-000B-A.
 - C/W 1200 hour/12 month inspection, referencing the Pilatus PC-12/45 AMM 12-A-05-40-01-05A-000B-A.
- 00-00/45B - Performed the 12 month aircraft external and internal corrosion protection inspection referencing Pilatus PC-12 AMM section 12-A-20-40-00-00A-901A-A. No defects noted at this time.
- 21-20/317 - Performed the 3000 hour /12 Month ECS operational test referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-903A-A. No discrepancies noted at this time.
- 21-50/433 - Complied with 12 month vapor cycle compressor condenser module cleaning, referencing the Enviro OSCMM 21-00-23
- 22-10/60 - Performed the 1000 hour /12 month autopilot clutch torque check referencing Pilatus PC-12 AMM section 12-A-22-10-00-00A-313A-A. No discrepancies noted at this time.
- 24-30/309 - Complied with 300 hour generator 2 brush check. Brushes at 75% life left, referencing the Pilatus PC-12/45 AMM 12-A-24-30-02-00A-313A-A.
- 24-30/310 - Complied with 300 hour starter generator brush check. Brushes at 50% life left. Referencing the Pilatus PC-12/45 AMM 12-A-24-30-01-00A-313A-A.
- 24-30/311 - Performed the 3000 hour / 12 month generator control unit 1 functional test referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-903E-A. Operational checks good.
- 24-30/340 - Performed the 600 hour / 6 month lead acid batter #1 capacity check referencing Teledyne Battery Products CMM. Capacity check good at 100%
- 24-30/340 - Performed the 600 hour / 6 month lead acid batter #2 capacity check referencing Teledyne Battery Products CMM. Capacity check good at 85%.
- 27-40/1 - Complied with 3000 hour / 12 Month horizontal stabilizer trim runaway warning functional test. Function check good, referencing the Pilatus PC-12/45 AMM 12-A-27-40-00-00A-903A-A.
- 27-50/74 - Complied with 300 hour/12 month lubrication of the flap actuators referencing Pilatus PC-12 AMM section 12-A-27-50-00-00A-902A-A.

Total Carry



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Phoenix Arizona 85034
FAA Repair Station No. EKGR571D

602-267-4070 Phone
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Scheduled Maintenance or Inspections

- 27-50/76 - Complied with 1800 hour / 12 Month / 2400 Landing flap actuator backlash check. LHOB: .006", LHIB: .005", RHIB: .007", RHOB: .005". Referencing the Pilatus PC-12/45 AMM 12-A-27-50-03-00A-313B-A.
- 27-50/437 - Complied with 600 hour / 12 Month inboard flap drive arm in-situ inspection/check, referencing the Pilatus PC-12/45 AMM 12-A-27-51-00-00A-313A-A.
- 27-50/443 - Complied with 300 hour / 12 Month flap up and down limit switches servicing, referencing the Pilatus PC-12/45 AMM 12-A-12-20-07-00A-902A-A.
- 29-10/310 - Complied with 300 hour / 12 Month hydraulic system check, referencing Pilatus PC-12/45 AMM 12-A-29-00-00-00A-901A-A.
- 30-10/79 - Complied with 6 month AgeMaster application to the airfoil deicers performed by West Coast Aircraft Wash Station. Inspected referencing Goodrich CMM section 30-10-3.
- 32-10/80 - Complied with 12 Month Main and Nose Wheel Bearing Lubrication IAW PC-12/45 AMM 12-A-12-20-06-00A-902A-A.
- 32-10/315 - Complied with 2000 hour / 12 Month hinge pin and bushes inspection/check, referencing the Pilatus PC-12/45 AMM 12-A-32-10-00-00A-313A-A.
- 32-10/436 - Complied with 12 month MLG shock absorber top and bottom attachment bolts and nuts examination, referencing the Pilatus PC-12/45 AMM 12-A-32-10-00-00A-310A-A.
- 35-10/458 - Performed the 1200 hour / 12 month crew oxygen system operational test referencing Pilatus PC-12 AMM section 12-A-35-00-00-00A-903A-A.
- 76-10/117 - Complied with 3000 hour / 12 month propeller feather micro-switches functional test. Function check good, referencing the Pilatus PC-12/45 AMM 12-A-76-10-02-00A-903A-A.
- 258010 - Complied with 12 Month- ELT Inspection per 14 CFR 91.207(d) and PC-12/45 AMM 12-A-25-63-20-00A-040A-A. No discrepancies noted. **Battery expiration date: 11/2020.**
- 31-50/34 - Replaced the CACU clock battery referencing Pilatus PC-12 AMM section 12-A-05-40-00-00A-000B-A.
- 21-30/46 - Performed the 24 month functional test of the cabin positive pressurization system referencing Pilatus PC-12 AMM section 12-A-21-30-00-00A-903A-A. Functional checks good.
- 21-30/47 - Performed the 24 month clean of the pressurization outflow valve and safety valve referencing Pilatus PC-12 AMM sections 12-A-21-30-01-00A-250A-A no noted discrepancies noted at this time.
- 24-30/62 - Complied with 24 month examination of the corrosion protective layer for generator 1 and 2, and battery 1 and 2 ground points, referencing the Pilatus PC-12/45 AMM 12-A-24-30-00-00A-901A-A.
- 34-21/84 - Performed the 24 month standby magnetic compass swing referencing Pilatus PC-12 AMM section 12-A-34-21-00-00A-903A-A. No discrepancies noted at this time.
- 52-10/88, 52-30/89 - Performed the 72 month passenger/crew and cargo doors corrosion inspection referencing Pilatus PC-12 AMM section 12-A-20-40-00-00A-901A-A. No discrepancies noted at this time.
- 53-00/90, 53-00/91, 53-00/92, 53-00/93, 53-00/94 - Performed the 72 month fuselage structure corrosion inspection (front pressure bulkhead, fuselage internal bottom surface, structure around windows, door frames and emergency exit frames and rear pressure bulkhead) referencing Pilatus PC-12 AMM section 12-A-20-40-00-00A-901A-A. No discrepancies noted at this time.

AIRCRAFT LOG



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Scheduled Maintenance or Inspections

- 55-10/95, 55-10/95 - Complied with 72 month horizontal and vertical stabilizer corrosion inspection, referencing the Pilatus PC-12/45 AMM 12-A-20-40-00-00A-901A-A.
- 57-00/97, 57-00/97 - Complied with 72 month - Wing internal surfaces, flap compartments and landing gear compartments corrosion inspection 12-A-05-10-20-00A-281A-A; 57-00/97. No discrepancies noted.
- Performed 500 hour/12 month power plant torque limiter test referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-903H-A. Functional check good.
- Performed the 500 hour/12 month power plant performance test referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-903I-A. Functional checks good.
- Performed the 500 hour/12 month engine torque and stick pusher torque transducers electrical connectors cleaning referencing Pilatus PC-12 AMM section 12-A-71-00-03-00A-250A-A. No discrepancies noted at this time.

Discrepancies (Cont.)

- Replaced the EIS battery referencing Pilatus PC-12 AMM section 12-A-77-40-04-00A-920B-A.
- Removed R/H outboard wing de-ice boot P/N 959.89.01.034 S/N MU32900. Installed new R/H outboard wing De-Ice boot P/N P27-7D5221-24 S/N NET6330 see FAA form 8130-3 from Goodrich Sensors and Integrated Systems dated 30 NOV 2018 referencing Pilatus PC-12 AMM section 12-A-30-14-01-00A-920A-A. Reference service bulletin No. 30-012. Operational checks good.
- Adjusted the swivel mechanism for seats 2 and 5 referencing Goodrich CMM for P/N's 403008, 403083, 403150 series section 25-20-07. Operational checks good.
- Removed the rudder stop P/N 555.30.12.218. Installed new rudder stop P/N 555.30.12.218 referencing Pilatus PC-12 AMM section 12-A-27-20-00-00A-307A-A.
- Removed aft seatbelt ordinance light, replaced all four bulbs with new P/N: WL6838 and reinstalled light. Performed function test. Function test good. Work performed referencing Pilatus PC-12/45 AMM, 12-A-33-20-05-00A-920A-A.
- Replaced the LAV O2 mask connector P/N 8570-00.
- Removed both L/H and R/H fuel cap O-rings P/N MS29513-232. Installed new L/H and R/H fuel cap O-rings P/N MS29513-232.
- Installed P-Touch exterior placards as needed for faded silkscreen placards.
- Installed new elevator up stop P/N 555.20.12.186.
- Removed 3 evaporator filters P/N 959.90.22.191. Installed 3 new evaporator filter P/N 959.90.22.191.
- Installed two de-ice boot patches P/N 74-451-187 on LH inboard wing deice boot. Referencing Goodrich Corporation De-Icing and Specialty Systems MM section 30-10-25.

Continued on Page 4

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Discrepancies (Cont.)

- Removed and replaced LH and RH MLG trailing link bushings and yoke fitting bushings with new P/N 532.10.12.217, and 532.10.21.028. Removed and replaced LH and RH MLG pivot pins with new P/N 532.10.12.210. Bled brakes, referencing the Pilatus PC-12/45 AMM 12-A-32-10-00-00A-313A-A, and 12-A-32-40-03-00A-920B-A, and Pilatus CMM 32-10-05.
- Removed and replaced LH MLG lower strut attach bushing with new P/N 532.10.12.124, referencing the Pilatus PC-12/45 AMM 12-A-32-10-03-00A-920A-A.
- Applied sealant to generator 2, battery 1 and 2 ground points.

Airworthiness Directives or Service Bulletins

- AD 2019-07-10 PARA (F)(1) - Does not apply to this Aircraft. Garmin units installed.
- AD 2001-25-10 Complied with. Flap actuator backlash check. LHOB: .006", LHIB: .005", RHIB: .007", RHOB: .005". Referencing the Pilatus PC-12/45 AMM 12-A-27-50-03-00A-313B-A.
- AD's researched thru biweekly 2019-12.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: _____

Kevin Reedy

Kevin Reedy

Date: JUN 25, 2019

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FAA Repair Station No. EKGR571D

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| Date | Aircraft Time | | Recorder Reading | Maintenance |
|-------------------|---------------|-------|------------------|-------------|
| | This Date | Total | | |
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| | | | | |
|--------------|----------|---------------------|---------------------|-----------|
| Model | PC-12/45 | Airframe Log | Work Order No. | 02M-11343 |
| Serial No. | 443 | | Hour Meter | 3329.6 |
| Registration | N552TC | | Aircraft Total Time | 3329.6 |

Removed the loaner Hartzell propeller P/N HC-E4A-3D, S/N KX996.
Installed overhauled MT propeller P/N MTV-27-1-N-C-F-R(P), S/N 110361 referencing Pilatus PC-12 AMM section 12-A-61-10-01-00A-920A-A and MT Propeller Operational and Installation Manual section 61-00-83. Functional checks good at this time.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: Kevin Reedy Date: JUN 25, 2019
FAA Repair Station No. EKGR571D

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|--------------|----------|---------------------|---------------------|-----------|
| Model | PC-12/45 | Airframe Log | Work Order No. | 02M-11343 |
| Serial No. | 443 | | Hour Meter | 3356.8 |
| Registration | N552TC | | Aircraft Total Time | 3356.8 |

Removed MT propeller P/N MTV-27-1-N-C-F-R(P), S/N 110361 referencing Pilatus PC-12 AMM section 12-A-61-10-01-00A-920A-A and MT Propeller Operational and Installation Manual section 61-00-83.
Installed loaner Hartzell propeller P/N HC-E4A-3D, S/N KX996. Referencing the Pilatus PC-12/45 AMM 12-A-61-10-01-00A-920A-A. Propeller TSN - 3425.6 Propeller TSO - 100.5 Hours. Date Overhauled Dec 12, 2017.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: Kevin Reedy Date: July 26, 2019
FAA Repair Station No. EKGR571D

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| and Remarks | Signature | Certificate No. |
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|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-11694 |
| Serial No. | 443 | | Hour Meter | 3433.3 |
| Registration | N552TC | | Aircraft Total Time | 3433.3 |
| Page | 1 of 1 | | Landings | 2379 |

Scheduled Maintenance or Inspections


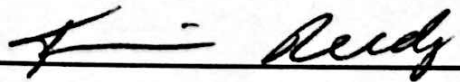
- Removed battery #1 P/N 7638-44 S/N G02980156 and battery #2 P/N 7638-44 SN G02980157 for cap check. Battery #1 passed cap check at 98%. Battery #2 passed cap check at 100%. Cap test conducted referencing Teledyne Battery Products CMM for applicable P/N 7638-44. Reinstalled battery S/N G02980156 in #1 position and S/N G02980157 in #2 position. Removal and installation performed referencing Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A.
- Removed oxygen cylinder P/N 1274469 S/N ALT280-3339 and sent out for hydrostatic test. Installed inspected oxygen cylinder P/N 1274469 S/N ALT280-3339, see FAA FORM 8130-3 from Aerospace Turbine Rotables Inc., dated 2019.DEC.10. Referencing Pilatus PC-12/45 AMM 12-A-35-10-01-00A-920A-A. Leak check good. Operational check good. **Bottle Expires May 2022.**
- Pilatus SB 52-007 part C - No action is required for door shoot bolt fittings made from M 2124 T851. Previously complied with on Log Entry from June 26, 2015
- Removed pitch trim actuator P/N: 129-1-1100-02 S/N: 825. Installed overhauled pitch trim actuator P/N: 129-1-1100-02 S/N: 690. Performed operational test. Operational test good. All work performed referencing Pilatus PC-12/45 AMM, 12-A-27-40-01-00A-920A-A. Actuator S/N 690 TSO - 0.0 TSN - 11,655.3 CSN 12,181
- Performed an engine compressor wash referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-250A-A.
- Performed the 6-month airfoil Age Master application referencing Pilatus PC-12 AMM section 12-A-05-40-00-00A-000B-A. Complied with 100 hour engine oil sample and sent off for analysis.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: Kevin Reedy Date: DEC 12, 2019
FAA Repair Station No. EKGR571D

AIRCRAFT LOG

| Date | Aircraft Time | | Recorder Reading | Maintenance |
|------|-------------------|-------|------------------|-------------|
| | This Date | Total | | |
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|---|----------|---|--|--|---------------------|
|  | | Cutter Aviation Phoenix 2802 E Old Tower Road Phoenix, Arizona 85034 FAA Repair Station No. EKGR571D | | Phone: 602-273-1237 Fax: 602-267-7806 | |
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| Registration | N552TC | <h2 style="margin: 0;">Airframe</h2> <h2 style="margin: 0;">Log Book Entry</h2> | | Work Order | 02M-11518 |
| Model | PC-12/45 | | | Tach | N/A |
| Serial No | 443 | | | Hour meter | 3,368.50 |
| Aircraft TT | 3,368.50 | | | Landings | 2360 |
| 1.3 Removed fuel flow transmitter P/N 151-906-010 S/N 2334. Installed new fuel flow transmitter P/N TFF2905-50 S/N AAR0212 see FAA form 8130-3 from Meggitt, Inc. dated 28/FEB/2019 referencing Pilatus PC-12 AMM section 12-A-73-30-01-00A-920A-A. Functional and leak checks good at this time. | | | | | |
| The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station. | | | | | |
| Signature | |  | | Kevin Reedy | Date <u>8/13/19</u> |



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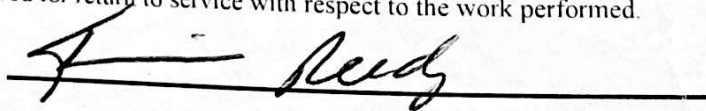
FAA Repair Station No, EKGR571D

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|--------------|----------|--|------------|-----------|
| Registration | N552TC | <h1>Airframe</h1> <h1>Log Book Entry</h1> | Work Order | 02M-11818 |
| Model | PC-12/45 | | Tach | N/A |
| Serial No | 443 | | Hour meter | N/A |
| Aircraft TT | N/A | | Landings | N/A |

1.3 Complied with 12 Month Fire Extinguisher Content Check, referencing the Pilatus PC-12 AMM 12-A-26-20-00-00A-040A-A.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signature



Kevin Reedy

Date

2/14/2020



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| | | | | |
|--------------|----------|--|------------|------------|
| Registration | N552TC | Airframe Log Book Entry | Work Order | 02MN-11893 |
| Model | PC-12/45 | | Tach | N/A |
| Serial No | 443 | | Hour meter | 3,462.50 |
| Aircraft TT | 3,462.50 | | Landings | 2426 |

1.3 Complied with 300 hour inspect/check nose landing gear upper right drag link. Work performed by CrossPoint Testing and Inspection Services LLC PO # 02PO20-00787, no indications noted. Visually inspected drag link, no discrepancies noted for work performed. Performed by Sam Heide.

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

Signature

Kevin Reedy

Date

3/24/2020



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|---------------------|-----------|
| Work Order No. | 02M-11974 |
| Hour Meter | 3471.5 |
| Aircraft Total Time | 3471.5 |
| Landings | 2434.0 |

| | |
|--------------|----------|
| Model | PC-12/45 |
| Serial No. | 443 |
| Registration | N552TC |
| Page | 1 of 4 |

Aircraft Maintenance Record

Scheduled Maintenance or Inspections

- Downloaded and sent engine trend to the trend group.
- Performed the 24 Month Dual Pitot Static System adjustment/test IAW Pilatus AMM 02049 dated 5/17/2019 chapter 12-A-34-11-20-00A-903A-A. No discrepancies noted.
- Performed the 24 Month test and inspection of each altimeter, static pressure system, automatic pressure reporting system, and ATC transponder required by CFR 91.411 and 91.413, and found them to comply with Appendices E & F of CFR part 43. The altimeters were tested to 30,000 feet.
- Performed the 24 month test and inspection of each altimeter, static pressure system, automatic pressure reporting system, and ATC transponder required by CFR 91.411 and 91.413, and found them to comply with Appendices E & F of CFR part 43. The altimeters were tested to 30,000 feet.
- Performed the SAM airspeed and altimeter calibration procedure IAW Mid Continent installation manual P/N 9017782 Rev M dated April 2019. See item 2.3 for certification and checkout.
- Complied with the 300 Hour Inspection, referencing the Pilatus PC-12/45 AMM section 12-A-05-40-01-01A-000B-A.
- Complied with the 300 Hour / 12 Month Inspection, referencing the Pilatus PC-12/45 AMM section 12-A-05-40-01-02A-000B-A.
- Complied with the 600 Hour / 12 Month Inspection, referencing the Pilatus PC-12/45 AMM section 12-A-05-40-01-03A-000B-A.
- Complied with the 600 Hour Inspection, referencing the Pilatus PC-12/45 AMM section 12-A-05-40-01-03A-000B-A.
- Complied with the 1200 Hour / 12 Month Inspection, referencing the Pilatus PC-12/45 AMM section 12-A-05-40-01-05A-000B-A.
- Complied with the 2400 Hour / 24 Month Inspection, referencing the Pilatus PC-12/45 AMM section 12-A-05-40-01-06A-000B-A.
- Performed the 6 Month airfoil age master application referencing Pilatus PC-12 AMM section 12-A-05-40-00-00A-000B-A.
- Complied with 12 Month aircraft external and internal corrosion inspection, in accordance with Pilatus PC-12/47E AMM 20-40-00. No discrepancies noted.

Date

Aircraft Time

This Date

Total

Recorder

D. J. J.

Maintenance



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Scheduled Maintenance or Inspections

- Complied with 1000 Hour / 12 Month Autopilot Clutch Torque Check referencing Pilatus PC-12 AMM 12-A-22-10-00-00A-313A-A.
- Complied with 600 Hour / 6 Month Lead Acid Battery #1 Capacity Test. Removed Battery #1 Gill P/N 7638-44 S/N G02980156 for Cap check. Performed capacity test referencing Teledyne Battery Products CMM Q01-1101. Cap check passed at 57 min, 95%. Batteries recharged. Battery #1 installed in #2 position referencing Pilatus PC-12 AMM 12-A-24-30-07-00A-920A-A.
- Complied with 600 Hour / 6 Month Lead Acid Battery #2 Capacity Test. Removed Battery #2 Gill P/N 7638-44 S/N G02980157 for battery capacity test. Performed capacity test referencing Teledyne Battery Products CMM Q01-1101. Cap check passed at 52 min, 86%. Recharged battery. Installed battery #2 in #1 position referencing Pilatus PC-12 AMM 12-A-24-30-07-00A-920A-A.
- Complied with 12 Month Fire Extinguisher Content Check. No discrepancies noted.
- Complied with 3,000 Hour / 12 Month Horizontal Stabilizer Trim Runaway Warning Functional Test referencing Pilatus PC-12 AMM 12-A-27-40-00-00A-903A-A. Functional Test good.
- Complied with 300 Hour / 12 Month Inboard Flap Drive Arm In-Situ Inspection/Check referencing Pilatus PC-12 AMM 12-A-27-51-00-00A-313A-A.
- Complied with 12 Month Main and Nose Wheel Bearing Lubrication I.A.W. PC-12 45/47 Pilatus M/M chapter 32-40-01.
- Complied with 2000 Hour / 12 Month Hinge Pin and Bushes Inspection/Check I.A.W. PC-12 45/47 Pilatus M/M chapter 32-10-00.
- Complied with 12 Month MLG Shock Absorber Top and Bottom Attachment Bolts and Nuts Examination referencing Pilatus PC-12 AMM 12-A-32-10-03-00A-920A-A.
- Complied with 3,000 Hour / 12 Month Propeller Feather Microswitch Functional Test referencing Pilatus PC-12 AMM 12-A-76-10-02-00A-903A-A. Functional Test good.
- Complied with 12 Month ELT Inspection per 14 CFR 91.207(d) on ELT P/N S1821502-02, S/N J092-0048. No discrepancies noted. ELT battery expiration date: 11/2020.
- Complied with 12 Month Vapor Cycle Compressor condenser module cleaning in accordance with Enviro Systems Incorporated OSCMM 21-00-23. No discrepancies noted.

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FAA Repair Station No. EKGR571D

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- Complied with 12 Month Inspect/Check Static Ports Critical Area, no discrepancies noted. Work performed reference Pilatus PC-12/47E AMM 53-30-01.
- Complied with 12 Month / 600 Hour Cabin Positive Pressure Relief Functional Test and Cabin Leak Test referencing Pilatus PC-12 AMM 12-A-21-30-00-00A-903A-A. Operational Test good.
- Complied with 12 Month / 600 Hour Pressurization Control system Check referencing Pilatus PC-12 AMM 12-A-21-30-00-00A-903A-A. System check good.
- Complied with 1000 Hour Starter generator overhaul. Removed starter generator P/N 23085-029, S/N P1158. Installed overhauled starter generator P/N 23085-029, S/N P1158 see FAA form 8130-3 from Falcon Crest Accessories, Inc. dated 3/JUN/2020, referencing Pilatus PC-12 AMM section 12-A-24-30-01-00A-920A-A. Operational checks good at this time.

Discrepancies

- Adjusted Elevator Autopilot cable tension referencing Pilatus PC-12 AMM 12-A-27-30-00-00A-903A-A.
- Adjusted Rudder autopilot cable tension referencing Pilatus PC-12 AMM 12-A-27-20-00-00A-903A-A.
- Installed two new rivets P/N MS20615-4 referencing Pilatus PC-12 AMM section 12-A-30-20-02-00A-920A-A. Engine run leak check good at this time.
- Performed the propeller de-ice check after installing the aircraft batteries and generator referencing Pilatus PC-12 AMM section 12-A-30-60-00-00A-903A-A. Operational and functional checks good at this time.
- Removed both L/H and R/H fuel cap o-rings. Installed new L/H and R/H fuel cap o-rings P/N MS29513-232.
- Cleaned and installed new chafe tape to the R/H MLG structure, three of P/N 557.24.12.319 and one of P/N 557.24.12.317.

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FAA Repair Station No. EKGR571D

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AIRCRAFT LOG

| Date | Aircraft Time | | Recorder Reading | Maintenance |
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| | This Date | Total | | |



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Airworthiness Directives or Service Bulletins

- Complied with Pilatus Service Bulletin SB 55-004. Verified the Horizontal Stabilizer rear attachment bolts FAUF numbers do no fall in to the effectivity of this service bulletin.
- FAA 2001-25-10 AD Inspect Flap Actuator Internal Gear System does not apply with this aircraft. Pilatus PC-12 Service Bulletin 27-008 has been previously complied with.
- AD's researched thru biweekly 20-11.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:  Dave Clifton Date: June 5, 2020

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FAA Repair Station No. EKGR571D

Total to Carry Forward

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and Remarks

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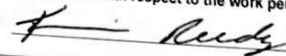
| | |
|--------------|----------|
| Model | PC-12/45 |
| Serial No. | 443 |
| Registration | N552TC |
| Page | 1 of 1 |

Aircraft Maintenance Record

| | |
|------------------------------|-----------|
| Work Order No. | 02M-12023 |
| Hour Meter | 3471.7 |
| Aircraft Total Time Landings | 3471.7 |

- Removed the starter generator P/N 23085-029, S/N P1158 and installed serviceable generator P/N 23085-029, S/N 94073 referencing Pilatus PC-12 AMM section 12-A-24-30-01-00A-920A-A. Attempted to start the aircraft using battery power. Aircraft would not start. Plugged two shop batteries into the aircraft to test the aircraft batteries. Aircraft started with no issues. Removed the serviceable starter generator P/N 23085-029, S/N 940 and installed aircraft's starter generator P/N 23085-029, S/N P1158 referencing Pilatus PC-12 AMM section 12-A-24-30-01-00A-920A-A. Aircraft started using shop batteries. Disconnected the shop batteries and connected aircraft batteries and let charge with GPU. Was able to start aircraft on original batteries once after a GPU charge batteries for 45 min.
- Removed batteries #1 P/N 7638-44, S/N G02980156 and #2 P/N 7638-44, S/N G02980157. Installed new aircraft batteries #1 P/N 7638-44, S/N G03089261 and #2 P/N 7638-44, S/N G03089262 referencing Pilatus PC-12 AMM section 12-A-24-30-07-00A-920A-A. Operational checks good at this time.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:  Kevin Reedy Date: JUN 19, 2020

FAA Repair Station No. EKGR571D

Date

This Date

Total

Reading

Maintenance

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| | | | | |
|--------------|----------|--|------------|-----------|
| Registration | N552TC | Airframe Log Book Entry | Work Order | 02M-12121 |
| Model | PC-12/45 | | Tach | N/A |
| Serial No | 443 | | Hour meter | 3,553.70 |
| Aircraft TT | 3,553.70 | | Landings | |

1.3 Removed lav pump P/N 5250-A S/N P3966 from lav seat and installed new pump P/N 5250-A S/N P10588 referencing Clean Flush MODEL PIL-PC12-001-1 Self-Contained Aircraft Toilets USER'S GUIDE AND ILLUSTRATED PARTS LIST Reassembled lav referencing Pilatus PC-12 AMM 12-A-25-21-07-00A-920A-A. Operational check good.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signature

Kevin Reedy

Kevin Reedy

Date

8/29/2020

ductos, ayuda y mucho más



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Cutter Aviation Phoenix
2802 E Old Tower Road
Phoenix, Arizona 85034

FAA Repair Station No. EKGR571D

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Fax: 602-267-7806

| | |
|--------------|----------|
| Registration | N552TC |
| Model | PC-12/45 |
| Serial No | 443 |
| Aircraft TT | 3,612.70 |

Airframe Log Book Entry

| | |
|------------|-----------|
| Work Order | 02M-12191 |
| Tach | N/A |
| Hour meter | N/A |
| Landings | 2504 |

1.3 ELT battery replacement performed by Pacific Southwest Instruments CRS# KD3R627L Work Order 340617. Installed repaired ELT reference Pilatus PC-12/45 AMM 12-A-25-63-11-00A-920A-A. Operational check of ELT good. New battery expiration date 05/2027. ELT P/N off/on S1821502-02, ELT S/N off/on J092-0048

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signature

Kevin Reedy

Kevin Reedy

Date

10/13/2020



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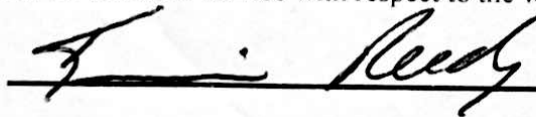
Phone: 602-273-1237
Fax: 602-267-7806

| | | | | |
|---------------------|----------|--|-------------------|-----------|
| Registration | N552TC | Airframe Log Book Entry | Work Order | 02M-12402 |
| Model | PC-12/45 | | Tach | N/A |
| Serial No | 443 | | Hour meter | N/A |
| Aircraft TT | 3,669.10 | | Landings | 2529 |

2.3 Raised aircraft on jacks. Removed relay K051 P/N 974.20.01.369. Installed new relay K051 P/N 974.20.01.369. Operational checks satisfactory. Performed MLG shock absorber servicing. Noted L/H shock absorber stage 1 at 870 psi and could not hold 1668 psi on stage 2. Removed left main gear shock strut and resealed with kit P/N 532.10.12.500. Serviced and leak checked. No discrepancies noted at this time. Reinstalled left main gear shock strut. Serviced right main gear shock strut with fluid and nitrogen. Performed gear swing. No discrepancies noted. Removed aircraft from jacks. Reference Pilatus PC12/45 AMM 12A-32-10-03-00A-903A-A and component M.M 32-10-15.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signature



Kevin Reedy

Date

2/6/2021

Registration No. _____

Remarks

Signature

Certificate No.



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Phoenix, Arizona 85034

Phone: 602-273-1237
Fax: 602-267-7806

FAA Repair Station No. EKGR571D

| | | | | |
|--------------|----------|------------------------------------|------------|-----------|
| Registration | N552TC | Airframe Log Book Entry | Work Order | 02M-12512 |
| Model | PC-12/45 | | Tach | N/A |
| Serial No | 443 | | Hour meter | N/A |
| Aircraft TT | 3697.4 | | Landings | 2545 |

- 1.3 Repacked nose landing gear with NLG Seal Kit P/N 532.20.12.500 S/N N/A. Leak and operational tests good. Work performed in reference to Pilatus PC-12 CMM 32-20-05.
- 1.4 Removed seat cushion and seat pan from #4 seat, adjusted cables and bottom tension, Reference Goodrich seats CMM 25-20-07. Removed damaged spring return cable P/N 959.30.01.730 . Installed new spring return cable P/N 959.30.01.730. Removed position control cable P/N 959.30.01.731. Installed new position control cable P/N 959.30.01.731. Performed operational test operational test good. Work performed in reference to Goodrich Seat CMM 25-20-07.
- 1.5 Disassembled nose wheel and discarded tire, cleaned and inspected and reassembled with new tire P/N 021-327-0 S/N 8089S00129. performed leak check, no leaks noted. Work done IAW Goodrich CMM 32-47-72.
- 1.6 Removed and installed new nose wheel races P/N 13889 cleaned, packed and installed new bearings P/N 13830 NSN IAW Goodrich CMM 32-47-72.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signature

Kevin Reedy

Kevin Reedy

Date

4/14/21



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| | | | | |
|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-12595 |
| Serial No. | 443 | | Hour Meter | 3764.8 |
| Registration | N552TC | | Aircraft Total Time | 3764.8 |
| Page | 1 of 4 | | Landings | 2572 |

- Complied with Annual Inspection per FAR 91.409(a)(1) using the following inspections.
 - 05402A - Complied with 300 Hour / 12 Month Inspection referencing Pilatus PC-12 AMM 12-A-05-40-01-02A-000B-A.
 - 05404A - Complied with 600 Hour / 12 Month Inspection referencing Pilatus PC-12 AMM 12-A-05-40-01-04A-000B-A.
 - 05405A - Complied with 1200 Hour / 12 Month Inspection referencing Pilatus PC-12 AMM 12-A-05-40-01-05A-000B-A.
- 05401A - C/W 300 Hour Inspection referencing Pilatus PC-12 AMM 12-A-05-40-01-01A-000B-A.
- 00-00/45A & 00-00/45B - C/W 12 Month Aircraft External and Internal Corrosion Protection Inspection referencing Pilatus PC-12 AMM 12-A-20-40-00-00A-901A-A.
- 21-20/317 - C/W 3000 Hour / 12 Month ECS Emergency Shut-Off System Operational Test referencing Pilatus PC-12 AMM 12-A-71-00-00-00A-903T-A.
- 21-30/46 - C/W 24 Month / 3000 Hour Functional Test of Cabin Positive Pressurization System referencing Pilatus PC-12 AMM 12-A-21-30-00-00A-903A-A.
- 21-30/47 - C/W 24 Month / 3000 Hour Pressurization Outflow Valve and Safety Valve cleaning with reference to Pilatus PC-12 MM Ch. 21-30-01.
- 24-30/62 - C/W 24 Month Corrosion Protective Layer Generator 1 And 2, Battery 1 And 2 ground point inspection with reference to Pilatus PC-12 MM Ch. 24-30-00.
- 21-50/433 - C/W 12 Month / 300 Hour vapor cycle compressor condenser module cleaning, referencing the Enviro OSCMM 21-00-23.
- 22-10/60 - C/W 1000 Hour/12 Month autopilot clutch torque check (Pitch, Roll and Yaw) referencing Pilatus PC-12 AMM section 12-A-22-10-00-00A-313A-A.
- 24-30/21 - C/W 3000 Hour replacement of generator 2 drive assembly aft bearing. Removed generator 2 drive aft bearing P/N 940.83.08.902. Installed new generator 2 drive aft bearing P/N 940.83.08.902 S/N N/A. Work performed in reference to Pilatus PC-12 AMM 12-A-24-30-04-00A-920A-A.
- 24-30/69 - Removed the #1(fwd) lead acid battery P/N 7638-44 S/N G03089261 and removed battery #2 (aft) P/N 7638-44 S/N G03089262. Performed the 1000 Hour/12 Month capacity check referencing Gill Teledyne Battery Products CMM Section 6.2. Capacity check good at 52 min battery #1 and 52 min battery #2. Installed #1(fwd) lead acid battery P/N 7638-44 S/N G03089261 and installed battery #2 (aft) P/N 7638-44 S/N G03089262 referencing Pilatus PC-12 AMM 12-A-24-30-07-00A-920A-A.
- 24-30/309 - C/W 300 Hour Generator 2 Brush Check referencing Pilatus PC-12 AMM 12-A-24-30-02-00A-313A-A. Brush wear is at 60% life left.
- 24-30/310 - C/W 300 Hour Starter/Generator Brush Check referencing Pilatus PC-12 AMM 12-A-24-30-01-00A-313A-A. Brush wear is at 80% life remaining.
- 24-30/311 - C/W 3000 Hour / 12 Month Generator Control Unit GCU 1 Function Test referencing Pilatus PC-12 AMM 12-A-71-00-00-00A-903E-A. Function Test good.

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Scheduled Maintenance or Inspections (Continued)

- 258010 - C/W 12 Month Inspection and Operational check of the ELT System referencing CFR Title 14 Part 91.207(d).
- 26-20/24 - C/W 12 Month fire extinguisher contents check, referencing the Pilatus PC-12 AMM 12-A-26-20-00-00A-040A-A.
- 27-40/1 - C/W 3000 Hour / 12 Month Horizontal Stabilizer Trim Runaway Warning Functional Test referencing Pilatus PC-12 AMM 12-A-27-40-00-00A-903A-A. Functional test good.
- 27-50/74 - C/W 300 Hour / 12 Month flap actuator lubrication, referencing the Pilatus PC-12 AMM 12-A-27-50-00-00A-902A-A.
- 27-50/76 - C/W 2400 Hour / 24 Month / 3200 Landings Flap Actuator Backlash Check IAW Pilatus PC-12 AMM Ch. 27-50-03. Measurements: L/H outboard .009", L/H inboard .008", R/H outboard .009, R/H inboard .009".
- 27-50/437 - C/W 600 Hour / 12 Month inboard flap drive arm in-situ inspection/check referencing Pilatus PC-12 AMM, 12-A-27-51-00-00A-313A-A.
- 27-50/443 - C/W 200 Hour /12 Month flap up and down limit switches servicing, referencing the Pilatus PC-12 AMM 12-A-12-20-07-00A-902A-A.
- 29-10/310 - C/W 300 Hour/ 12 Month hydraulic system check. No defects noted. Operational test good. Work performed in reference to Pilatus PC-12 AMM 12-A-29-00-00-00A-902B-A.
- 30-10/79 - C/W 6 Month Airfoil Deicers AgeMaster Application.
- 31-50/34 - C/W 24 Month Caws & Cacu Clock Battery replacement P/N - LS14500 IAW Pilatus PC-12 MM Ch. 31-50-03.
- 32-10/80 - C/W 12 Month Lubrication of LH and RH main wheel bearings and nose wheel bearings. Reference Pilatus PC-12 AMM 12-A-32-40-01-00A-920-A.
- 32-10/315 - C/W 2000 Hour / 12 Month hinge pin and bushes inspection on RH MLG and LH MLG. No defects noted. Work performed in reference to Pilatus PC-12 AMM 12-A-32-10-00-00A-313A-A.
- 32-10/436 - C/W 12 Month MLG shock absorber top and bottom attachment bolts and nuts examination on the RH MLG and LH MLG. No defects noted. Ref Pilatus PC-12 AMM 12-A-32-10-00-00A-310A-A.
- 35-10/458 - C/W 1200 Hour / 12 Month Crew oxygen system operational test referencing Pilatus PC-12 AMM section 12-A-35-00-00-00A-903A-A.
- 32-30/518 - C/W 6 Month / 300 Hour Left & Right Main Landing Gear Actuator Bottom Attach Bolts Replacement. Installed new bolts P/N 532.10.12.225. Performed work stated above with reference to Pilatus PC-12 MM Ch. 32-30-01.
- 35-20/87 - C/W 36 Month Inspection/Check Passenger Oxygen Masks. Reference Pilatus PC-12 AMM section 12-A-35-00-00-00A-903A-A.
- 76-10/117 - C/W 3000 Hour / 12 Month Propeller Feather Micro-switch Functional Test referencing Pilatus PC-12 AMM 12-A-76-10-02-00A-903A-A. Functional test good.
- C/W 600 Hour / 12 Month Power Plant Torque Limiter Test referencing Pilatus PC-12 AMM 12-A-71-00-00-00A-903H-A.
- C/W 600 Hour / 12 Month Power Plant Performance Test referencing Pilatus PC-12 AMM 12-A-71-00-00-00A-903-A.
- C/W 600 Hour / 12 Month Engine Torque and Stick Pusher Torque Transducers Electrical Connectors Cleaning referencing Pilatus PC-12 AMM 12-A-71-00-03-00A-250A-A.

Page 2

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Discrepancies

- Removed and replaced inop bulbs on XPDR push button indicator with new bulbs P/N 6839. Operational check good. Referencing Pilatus PC-12 AMM 12-A-31-11-01-00A-920A-A.
- Checked security of wires and canon plugs on EIS and Garmin ADC equivalent. Multiple EIS tests did not duplicate code # 73
- Performed adjustment on passenger seat #4 swivel mechanisms. Operational tests good. Ref. Pilatus PC-12 AMM 12-A-25-21-01-00A-903A-A.
- Installed new beta slip-ring carbon block P/N CA3026 referencing Pilatus PC-12 AMM 12-A-61-10-01-00A-920A-A.
- Removed bottom beacon light lamp and installed new lamp P/N 34-0226010-91 referencing Pilatus PC-12 AMM 12-A-33-46-01-00A-920A-A. Operational check good.
- Replaced cabin seats #4 and #5 safety pins with new P/N 92391A024. Referencing Pilatus PC-12 AMM 12-A-25-21-01-00A-920A-A.
- Removed and replaced #1 and #5 passenger oxygen mask bayonet fittings with new P/N 8570-00. Operational check good. Referencing Pilatus PC-12 AMM 12-A-35-20-03-00A-920A-A.
- Installed new inner cargo door seal retaining grommets P/N 944.48.70.105 and HN3G-33-1. Referencing Pilatus PC-12 AMM 12-A-A-52-30-03-00A-920A-A.
- Vacuumed debris and cleaned seat tracks and floor boards.
- Aileron push/pull-rod guide roller sleeves wear measured within limits of 1 mm to qualify for rotation. Rotated L/H and R/H 180 to give new contact points. Operational check good. Referencing Pilatus PC-12 AMM 12-A-27-00-00-00A-313A-A.
- Cleaned grime from RT MLG Actuator. Performed multiple extensions and retractions with no signs of additional leakage from actuator.
- Adjusted aileron cable tensions to specification per Pilatus PC-12 MM Ch. 27-10-00 aileron control cable temperature compensation chart. Performed work stated above with reference to Pilatus PC-12 MM Ch. 27-10-00.
- Performed adjustment of elevator control cable tension to manufactures spec 59.5 and 60 @ 26 C. Operational check good. Referencing Pilatus PC-12 12-A-27-30-00-00A.
- Removed faded letters and installed a P-touch Placard "PRESS BUTTON TO LOWER CARGO DOOR"
- Applied PR1422B1-2 to ground points of Gen #1 and #2 and Battery ground points for battery #1 and #2 referencing Pilatus 12-A-24-30-00-00A-901A-A.
- Removed three loose rivets on R/H engine inlet deice tube and installed new rivets. All work performed in reference to Pilatus PC-12 AMM 12-A-30-20-02-00A-920A-A.
- Removed fading letters from cargo door placard and installed P-touch placard "PRESS HERE TO OPEN PULL HANDLE AND PULL DOOR OUT."

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Discrepancies (Cont.)

- Found the drain valve under the cargo compartment floorboard not sealing. Removed drain valve, cleaned area, and installed new drain valve P/N 553.14.12.601. Conducted pressurization leak test referencing Pilatus PC-12 AMM 12-A-21-30-00-00A-903A-A.
- Performed adjustment of rudder control cable tensions to manufactures spec 58.5 and 57.5 @ 26 C. Referencing Pilatus PC-12 12-A-27-20-00-00A.
- Performed Lightning Inspection referencing Pilatus PC-12 AMM 12-A-05-50-05-00A-282A-A.
- Removed worn C-Seals P/N 946.94.11.105. Installed new C-Seals P/N 946.94.11.105. Found loose P3 connection on gas generator for the EPA tank. Tightened loose connection as required. Engine performance engine run satisfactory. Reference Pilatus PC-12 AMM 12-A-21-41-00-00A-920A-A, 12-A-71-00-00-00A-250A-A and 12-A-71-00-00-00A-9031-A.

Airworthiness Directives or Service Bulletins

- SB 32-029 - Inspected NLG Fork Assembly for applicability to SB 32-029. This aircraft has NLG Strut Assembly P/N 532.20.12.038. SB 32-029 is not applicable.
- AD's researched through Biweekly 2021-12.

The aircraft and/or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Kevin Reedy

Date: JUN 18, 2021

Page 4

FAA Repair Station No. EKGR571D

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AIRCRAFT LOG

| Date | Aircraft Time | | Recorder Reading | Maintenance |
|------|---------------|-------|------------------|-------------|
| | This Date | Total | | |



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| | | | | |
|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-12595 |
| Serial No. | 443 | | Hour Meter | 3764.8 |
| Registration | N552TC | | Aircraft Total Time | 3764.8 |
| Page | 1 of 1 | | Landings | 2572 |

- C/W 34-21/84 - 24 Month Swing Check of Standby Magnetic Compass referencing Pilatus PC-12 AMM 12-A-34-21-00-00A-903A-A. Swing check good.
- C/W 32-20/336 - 300 Hour/400 landing NLG upper right hand drag link inspection check. NDT performed by CrossPoint Testing. CTIS Job # 2106212, no indications noted, referencing the Pilatus PC-12/45 AMM 12-A-32-20-06-00A-313A-A.

Signed: *Kevin Reedy* Kevin Reedy Date: JUN 18, 2021
FAA Repair Station No. EKGR571D

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| Total to Carry Forward | | | | |

AIRFRAME



SEPTEMBER 22, 2021
N552TC, PC-12/45, S/N 443
AIRFRAME TT: 3,831.4 HOBBS: 3,831.4
VCCS HOBBS TIME: 908.2

OTHER MAINTENANCE:
-Troubleshoot inoperative VCCS system and found VCCS compressor motor defective. Removed motor P/N: 1134104-1, S/N: 495 and installed overhauled motor, P/N: 1134104-1, S/N: 5160 with TSO: 0.0, IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 41 dated July 2021, Chapter 21-50-03, Task 21-50-03-00A-313A-A. Recovered, evacuated system, serviced with R-134A refrigerant Operated system and no leaks noted at this time, IAW Pilatus PC-12/45, AMM Doc. # 02049, Rev. 41 dated July 2021, Chapter 12-A-21-50-00-00A-902B-A. Operational check ok.

Details on file at this agency under work order # 116491
Kevin Oliver *[Signature]*
Heliponents, Inc. FAA Repair Station # XHCR780K

END

AIRFRAME



OCTOBER 8, 2021
N552TC, PC-12/45, S/N 443
AIRFRAME TT: 3,842.6 HOBBS: 3,842.6
VCCS HOBBS TIME: 908.2

OTHER MAINTENANCE:
-Troubleshoot propeller deice system by checking deice brush block for wear, inspected prop deice slip ring, inspected and verified prop deice boots met resistance checks, replaced two deice slip ring lead wires to prop deice element lead studs, removed and cleaned prop deice time cannon plugs with Stabilant 22, found Prop Deice Controlling OAT Probe to have an "open" in resistance measurements, inspected probe and found probe connector disconnected, connected probe connector and ground run aircraft, ops check ok, IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 41 dated July 2021, Chapter 30-60-00.

Details on file at this agency under work order # 116557
Chad Barta *[Signature]*
Heliponents, Inc. FAA Repair Station # XHCR780K

END

AIRCRAFT LOG

| Date | Aircraft Time | | Recorder Reading | Maintenance |
|------|-------------------|-------|------------------|-------------|
| | This Date | Total | | |
| | Brought Forward → | | | |



JANUARY 19, 2022
 N552TC, PC-12/45, S/N 443
 AIRFRAME TT: 3,971.5 HOBBS: 3,971.5

AIRFRAME

OTHER MAINTENANCE:

- Complied with 6-month application of Age Master 1 treatment to Airfoil Deicer Boots IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 42 dated December 2021, Chapter 12-A-05-10-20-00A-281A-A 30-60-00 and Goodrich CMM 30-10-31, as applicable.
- Serviced main and nose tires IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 42 dated December 2021, Chapter 12-10-04
- Complied with main aircraft battery capacity checks IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 42 dated December 2021, Chapter 24-30-07 and Concorde RG Series Main Aircraft Battery Component Maintenance Manual, Doc #. 5-0171, Rev Q dated 12/04/2018, Chapter 24-30-71. #1 Battery, P/N: RG-380E/44, S/N: G03089261 passed at 93.5% after a performing one conditioning charge procedure. #2 Battery, P/N: RG-380E/44, S/N: G03089262 passed at 100% after a performing one conditioning charge procedure.

Details on file at this agency under work order # 116803

Chad Bart
 Heliponents, Inc. FAA Repair Station # XHCR780K

END

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| Total to Carry Forward | | | | |



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| | | | | |
|---------------------|----------|---|-------------------------------------|-----------|
| Model | PC-12/45 | <h2 style="margin: 0;">Aircraft Maintenance Record</h2> | Work Order No. | 02M-13169 |
| Serial No. | 443 | | Hour Meter | 4063.50 |
| Registration | N552TC | | Aircraft Total Time Landings | N/A |
| Page | 1 of 3 | | | N/A |

Scheduled Maintenance or Inspections

1. Complied with 050005-Aircraft Registration. Verified Aircraft registration per FAA Website. Registration expires 10-31-2024.
1. C/W 05402A-300-Hour/12-Month, inspection. Ref. Pilatus PC-12 AMM 12-A-05-40-01-02A-000B-A.
2. C/W 05404A-600-Hour/12-Month, inspection. Ref. Pilatus PC-12 AMM 12-A-05-40-01-04A-000B-A.
3. C/W 05405A-1200-Hour/12-Month, inspection. Ref. Pilatus PC-12 AMM 12-A-05-40-01-05A-000B-A.
4. C/W 05406A-2400-Hour/24-Month, inspection. Ref. Pilatus PC-12 AMM 12-A-05-40-01-06A-000B-A.
5. C/W 00-00/45A-12-Month, (Internal) Corrosion inspection. Ref. Pilatus PC-12 AMM 12-A-20-40-00-00A-901A-A.
6. C/W 00-00/45B-12-Month, (External) Corrosion inspection. Ref. Pilatus PC-12 AMM 12-A-20-40-00-00A-901A-A.
7. C/W 21-40/51-60-Month, Functional test of the overtemperature switch. ECS Caution light illuminated at 300 degrees (range 290 +/- 17). Ref. Pilatus PC-12 AMM 12-A-21-40-06-00A-903A-A.
8. C/W 21-40/52-60-Month/4800-Hour, Functional test of the Duct overtemperature switch. ECS Caution light illuminated at 102 degrees (range 99 +/- 5). Ref. Pilatus PC-12 AMM 12-A-21-60-05-00A-903A-A.
9. C/W 21-50/433-12-Month, Clean air conditioning (compressor/condenser) module vapor cycle compressor condenser module. Ref. Enviro Systems Incorporated CMM Sub Task 21-00-23-10-001.
10. C/W 24-30/69-6-Month/600-Hour, Capacity check No. 2 lead acid battery, passed capacity test at 82% for 48 Mins. Ref. Teledyne battery products LT valve-regulated lead-acid batteries CMM PG. 14-15.
11. C/W 24-30/69-6-Month/600-Hour, Capacity check No. 2 lead acid battery, Battery passed capacity test at 87% for 48 Mins. Ref. Teledyne battery products LT valve-regulated lead-acid batteries CMM PG. 14-15.
12. C/W 258010-12-Month, Emergency locator transmitter (ELT) inspection. Ref. KANNAD 406 AF / AF-H / AF (GD) CMM PG. 101-108, PC-12 Legacy AMM 12-A-25-63-10-00A-903A-A.
13. C/W 26-20/24-12-Month, Contents check of the cockpit fire extinguisher (Weight 4 lbs. 10.4 oz (range 4 lbs. 11 oz +/-4)). Ref. Pilatus PC-12 AMM 12-A-26-20-00-00A-040A-A.
14. C/W 27-00/71-60-Month/4800-Hour, Examination flight control cables, to including auto pilot & stick pusher cables. Ref. Pilatus AMM 12-A-27-00-00-00A-313A-A.
15. C/W 27-40/1-12-Month, Functional test of the horizontal stabilizer trim runaway aural warning system. Ref. Pilatus PC-12 AMM 12-A-27-40-00-00A-903A-A.
16. C/W 27-50/437-12-Month, IN-SITU inspection/check inboard flap drive arm. Ref. Pilatus PC-12 12-A-27-51-00-00A-313A-A.
17. C/W 28-40/78-48-Month, Operational test of fuel low level system. Ref. Pilatus PC-12 AMM Section 12-A-28-40-00-00A-903B-A.
18. C/W 30-10/79-6-Month, Application of Age Master No.1 to all airfoil De-Icers. Ref. Goodrich CMM 30-10-31.



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Scheduled Maintenance or Inspections Cont.

- C/W 32-10/438-72-Month, L/H & R/H FWD/AFT MLG Attach Bolt, Bushing & Nut Inspection for Corrosion. Ref. Pilatus PC-12 AMM 12-A-32-10-00-00A-310A-A & 12-A-32-10-01-00A-920A-A.
- C/W 32-30/442-72-Month L/H & R/H MLG Actuator Top/Bottom Attachment Bolts. Ref. Pilatus PC-12 AMM 12-A-32-30-01-00A-920A-A & 12-A-32-30-01-00A-920A-A.
- C/W 32-10/436-12-Month, Examine main landing gear shock absorber top/bottom attachment bolts & nuts. Ref. Pilatus PC-12 AMM 12-A-32-10-00-00A-310A-A.
- C/W 32-10/80-12-Month, Lubricate landing gear wheel bearings. Ref. PC-12 AMM 12-A-32-40-02-00A-920A-A & 12-A-32-40-01-00A-920A-A.
- C/W 32-10/81-12-Month, Inspection/check main landing gear hinge pin & bushes. Ref. Pilatus PC-12 AMM 12-A-32-10-00-00A-313A-A.
- C/W 34-11/82-24-Month, Leak check Pilot & static system. Ref. Pilatus PC-12/45, PC12/47 AMM 12-A-34-11-20-00A-903A-A.
- C/W 34-14/83-24-Month, Inspection of (EA) Altimeter, static pressure system, & automatic pressure reporting system of the ATC transponder required by 14 CFR 91.411. Ref. 14 CFR part 43, Appendix E. The altimeters were tested to 30,000 feet.
- C/W 34-54/86-24-Month, Test & inspections of each ATC transponder as required by 14 CFR 91.413. Ref. 14 CFR part 43, Appendix F.
- C/W 35-10/85-Installed new Oxygen Cylinder Assembly P/N 957.12.12.211, S/N C21070256. Ref. Pilatus AMM 12-B-35-10-01-00A-920A-A, 12-A-12-10-05-00A-902A-A, & 12-A-35-00-00-00A-902A-A.
- C/W 56-11/332-120-Month/11,000-Hour, Inspection/check of the cockpit side windows. Ref. Pilatus PC-12 AMM 12-A-56-11-02-00A-313A-A.
- C/W 57-00/99-120-Month/11,000-Hour, Examination of wing to fuselage attachment fittings with wings removed. Found signs of pitting corrosion on bolts. Replaced LH TOP FWD Long Bolt & RH TOP FWD Long Bolt with new P/N 553.14.12.148 & LH BOTTOM AFT Short Bolt with new P/N 553.14.12.153. Ref. Pilatus PC-12 AMM 12-A-57-00-00-00A-313A-A, & 12-A-57-00-00-00B-720A-A.

Discrepancies

- Replaced bulbs from PIC caution reset push button new bulbs P/N OL3112. Ref. Pilatus PC-12 AMM 12-A-33-00-00A-040A-A.
- Complied with passenger seats #1, #3, #4 and #5 swivel adjustment. Ref. Pilatus PC-12 AMM 12-A-25-21-01-00A-903A-A.
- Replaced L/H Nav Light (2) halogen lamps P/N 972.87.87.217 & (2) pan head screws P/N MS35206-218. Ref. PC-12 AMM 12-A-33-43-01-00A-920A-A.
- Replaced R/H Nav Light (2) halogen Lamp P/N 972.87.87.217. Ref. Pilatus PC-12 AMM Section 12-A-33-43-01-00A-920B-A.
- Replaced L/H MLG Tire P/N 025-350-0, S/N 1055T00257. Ref. Parker Aerospace CMM CM40-424.
- Replaced R/H MLG Tire P/N 025-350-0, S/N 1055T00254. Ref. Parker Aerospace CMM CM40-424.
- Replaced NLG Bump Stop P/N 553.10.12.572 using 1300L. Ref. Pilatus PC-12 AMM 12-A-20-50-03-00A-901A-A.
- Replaced L/H & R/H MLG Landing Light Lens P/N 68-3971486A30. Ref. Whelen STC Manual SA00344BO Form No. 14793D page 5.
- Replaced NLG Taxi Light Lens P/N 68-3971486A30. Ref. Whelen STC Manual SA00344BO Form No. 14793D page 5.
- Replaced Brake reservoir Cap P/N 959.47.91.103. Ref. Pilatus PC-12 AMM 12-A-12-10-02-00A-902A-A.
- During stick pusher test, PCL microswitch was out of limits. Adjusted PCL Microswitch. Ref. Pilatus PC-12 AMM 12-A-76-10-01-00A-903A-A.
- Adjusted Gen 2 drive belt tension to within limits. Ref. Pilatus PC-12 AMM 12-A-24-30-03-00A-903A-A.
- Replaced "Open" Placard on outside of passenger crew door. Ref. Pilatus PC-12 AMM 12-A-11-00-00-00A-901A-A.
- Cleaned and prepped area on top of fuselage next to GPS antennas & applied white paint to exposed areas. Ref. Pilatus PC-12 AMM 12-A-20-40-00-00A-040A-A.

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Discrepancies (Cont.)

- Replaced R/H Brake Assembly Overhauled P/N 30-244, S/N 3835. Ref. Pilatus PC-12 AMM 12-A-32-40-03-00A-920A-A.
- Replaced L/H Brake Assembly Overhauled P/N 30-244, S/N 1389. Ref. Pilatus PC-12 AMM 12-A-32-40-03-00A-920A-A.
- Adjusted aileron cable tension to 39 lb/34.5 lb. Ref. Pilatus PC-12 AMM 12-A-27-10-00-00A-903A-A.
- Replaced Oil Cooler Bypass door strut P/N 571.10.12.353 & Attaching hardware MS20392-1C19, 940.17.02.226, NAS1149DN416K, & 938.77.81.017. Ref. Pilatus PC-12 AMM Section 12-A-71-10-10-00A-920A-A.
- Replaced Water sock P/N 4935C120 with new O-rings P/N 959.90.10.143. Ref. Pilatus PC-12 AMM 12-A-21-40-02-00A-250A-A.
- Removed & inspected Differential pressure indicator. Removed & installed new O-rings. Re-installed pressure differential indicator. Ref. Pilatus PC-12 AMM 12-A-29-10-01-00A-901A-A.
- Removed & installed new oxygen bottle capillary line P/N 957.12.22.601 to gauge. Ref. Pilatus PC-12 AMM 12-A-35-10-01-00A-920A-A.

Airworthiness Directives or Service Bulletins

- FAA 2021-24-01-Strake attachment brackets and surrounding structure. Aircraft is not equipped with STC SA00634DE, FAA AD 2021-24-01 is not applicable.
- FAA 2021-23-12-Appliance AD-indicating/recording/navigation-radio (radar) altimeter-AFM revision to incorporate limitations. Current aircraft is not used in a commuter category, FAA AD 2021-23-12 is not applicable.
- Airworthiness Directives Reviewed Biweekly through 2022-12.

The aircraft and/or component identified above was repaired and inspected in accordance with current CFR Title 14 Part 91.409 (f) (3) and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Timothy M Johnston

Date: 6/6/22



JUNE 9, 2022

N552TC, PC-12/45, S/N 443

AIRFRAME TT: 4,067.3 HOBBS: 4,067.3 LANDINGS: 2751

AIRFRAME

OTHER MAINTENANCE:

Removed #1 Main Battery, Gill P/N: 7638-44, S/N: G03089261, and installed new Concorde Lead Acid Battery, P/N: RG-380E/44, S/N: 70017717 IAW Pilatus PC-12/45 AMM, Doc. 02049, Rev. 43 dated February 28, 2022, DMC-12-A-24-30-07-00A-920A-A. Operational Checked OK. Initial Capacity Check is due on 06/30/2023.

tails on file at this agency under work order # 117241

in Oliver
iponents, Inc. FAA Repair Station # XHCR780K

FND



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|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-13322 |
| Serial No. | 443 | | Hour Meter | 4075.6 |
| Registration | N552TC | | Aircraft Total Time | N/A |
| Page | 1 of 1 | | Landings | N/A |

Discrepancy

- (#2 generator INOP)-
 - Found No. 2 Generator Cover cooling hose connection collapsed. Removed No. 2 Generator Cover P/N 524.32.12.167. Installed New No. 2 Generator Cover P/N 524.32.12.167. Ref. Pilatus PC-12 AMM 12-A-24-30-02-00A-920B-A.
 - Bus Tie from Generator 2 failed functional test. Removed TB123-01 Diode Module P/N 971.42.31.880. Installed New TB123-01 Diode Module P/N 971.42.31.880. Functional test of Bus Tie from Generator 2 satisfactory. Generator No. 2 fails to come online until No. 2 Battery is turned off. Removed Relay K231 P/N 974.09.26.112, S/N 623. Installed New K231 Relay P/N 974.09.26.112, S/N 2725. Operational test of Generator No. 2 satisfactory. Ref. Pilatus PC-12 AMM 12-A-24-00-00-00A-901A-A & 12-A-71-00-00-00A-903E-A.

The aircraft and /or component identified above was repaired and inspected in accordance with current CFR Title 14 Part 91.409 (f) (3) and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: _____

Timothy M Johnston

Date: 06-23-2022



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| | |
|--------------|----------|
| Model | PC-12/45 |
| Serial No. | 443 |
| Registration | N552TC |
| Page | 1 of 1 |

Aircraft Maintenance Record

| | |
|---------------------|-----------|
| Work Order No. | 02M-13309 |
| Hour Meter | 4072.3 |
| Aircraft Total Time | N/A |
| Landings | N/A |

Discrepancies

- (Error Code 78 Appeared on EIS during test - Memory Card 85% Full)-Complied with 710061-No. 1 Engine, Accomplished ECTM download. Ref. Pilatus PC-12 AMM 12-A-77-40-00-00A-901A-A.
- (LAV light INOP during flight)-Removed lavatory switch panel. Found solder on lavatory light switch broken. Re-soldered wires to light switch. Performed operational test of lavatory light and switch. Ref. Pilatus PC-12/45 AMM 12-A-25-21-07-00A-920A-A.
- (LAV pump INOP)-Replaced LAV recirculating pump P/N 5250-A, S/N P11827. Ref. CLEAN FLUSH CMM ZZ-PIL Rev. B 12/5/2017 Pg. #6-7. Operational check Satisfactory.

The aircraft and /or component identified above was repaired and inspected in accordance with current federal aviation regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Timothy M Johnston

Date: 06-14-2022

Registration No. _____

| | | |
|-------------|-----------|-----------------|
| and Remarks | Signature | Certificate No. |
|-------------|-----------|-----------------|



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|--------------|----------|--------------------------------------|---------------------|-----------|
| Model | PC-12/45 | <h2>Aircraft Maintenance Record</h2> | Work Order No. | 02M-13484 |
| Serial No. | 443 | | Hour Meter | 4188.4 |
| Registration | N552TC | | Aircraft Total Time | N/A |
| Page | 1 of 1 | | Landings | N/A |

Discrepancy

- **(Autopilot not tracking nav or heading)**-Ground tested the system & found the Roll servo was not engaging. Removed the Bendix/King KSA372 Roll servo P/N 065-0056-56 S/N 5161 & installed a serviceable roll servo P/N 065-0056-56 S/N 3983. Serviceable Roll servo from Pilatus PC-12 S/N 172, installed as a loaner to send owners servo out for repair. Reference Pilatus PC-12/45 12-A-22-10-03-00A-920A-A.

The aircraft and /or component identified above was repaired and inspected in accordance with current CFR Title 14 Part 91.409 (f) (3) and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed: _____

Timothy M Johnston

Date: _____

September 14, 2022

FAA Repair Station No. EKGR571D

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AIRCRAFT LOG

Aircraft Time

Recorder


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| | | | | |
|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-13374 |
| Serial No. | 443 | | Hour Meter | 4195.3 |
| Registration | N552TC | | Aircraft Total Time | |
| Page | 1 of 1 | | Landings | |

Scheduled Maintenance or Due Items

- Complied With 32-20/336-300-Hour/400-Landing, Inspection/check nose landing gear upper right drag link. NDT Inspection Accomplished by Crosspoint Testing & Inspection services, LLC CRS # 5P7R462D. Reference Pilatus PC-12/45 AMM 12-A-32-20-06-00A-313A-A.
- CW 24-30/69-600-Hour/6-Month, Capacity check no. 1 lead acid battery P/N 380E/44, S/N 70017717. Passed at 100%. Ref. Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A & Concorde CMM 5-0171.
- CW 24-30/69-600-Hour/6-Month, Capacity check no. 2 lead acid battery. Removed Gill Battery P/N 7638-44, S/N G03089262 & Replaced with New Battery P/N RG-380E/44, S/N 70020791. Ref. Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A & Concorde CMM 5-0171.

Discrepancies

- (Lavatory light INOP)-Found the Lav light bulb was corroded and worn down. Installed new bulb P/N 1864. Operational check satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-33-20-04-00A-920A-A.
- (Nitrogen accumulator charge)-Nitrogen Accumulator charge is at 2000 PSI. Nitrogen Reservoir PSI was low at 40 PSI. Serviced nitrogen reservoir to 60 PSI at 25C. Ref. Pilatus PC-12/45 AMM 12-A-29-00-00-00A-902B-A.
- (Propeller heat light comes on after 22 seconds of Operation)-Upon inspection and troubleshooting found a blade prop heat harness split and disconnected from the system. Displaced Spinner for other maintenance. Removed defective prop heat wiring harness P/N 4E2071-2 & installed new Goodrich 3-wire harness assembly. P/N 4E2071-2. Functional test satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-30-60-00-00A-903A-A & Goodrich Manual 30-60-02.
- (Download trend data and clear data from card)-Removed EIS card but it had no information on the card. Card info showed it had no more capacity to store information. Reformatted card and reinstalled in aircraft. Ref. PC-12/45 AMM 12-A-77-40-00-00A-040C-A.

The aircraft and/or component identified above was repaired and inspected in accordance with current CFR Title 14 Part 91.409 (f) (3) and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Timothy M Johnston

Date: September 23, 2022

FAA Repair Station No. EKGR571D

Carry Forward

Registration No.


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 FAA Repair Station No. EKGR571D

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|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-13374 |
| Serial No. | 443 | | Hour Meter | 4203.2 |
| Registration | N552TC | | Aircraft Total Time | N/A |
| Page | 1 of 1 | | Landings | 2856 |

Scheduled Maintenance or Due Items

- Complied With 32-20/336-300-Hour/400-Landing, Inspection/check nose landing gear upper right drag link. NDT Inspection Accomplished by Crosspoint Testing & Inspection services, LLC CRS # 5P7R462D. Reference Pilatus PC-12/45 AMM 12-A-32-20-06-00A-313A-A.
- CW 24-30/69-600-Hour/6-Month, Capacity check no. 1 lead acid battery P/N 380E/44, S/N 70017717. Passed at 100%. Ref. Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A & Concorde CMM 5-0171.
- CW 24-30/69-600-Hour/6-Month, Capacity check no. 2 lead acid battery. Removed Gill Battery P/N 7638-44, S/N G03089262 & Replaced with New Battery P/N RG-380E/44, S/N 70020791. Ref. Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A & Concorde CMM 5-0171.

Discrepancies

- (Lavatory light INOP)-Found the Lav light bulb was corroded and worn down. Installed new bulb P/N 1864. Operational check satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-33-20-04-00A-920A-A.
- (Nitrogen accumulator charge)-Nitrogen Accumulator charge is at 2000 PSI. Nitrogen Reservoir PSI was low at 40 PSI. Serviced nitrogen reservoir to 60 PSI at 25C. Ref. Pilatus PC-12/45 AMM 12-A-29-00-00-00A-902B-A.
- (Propeller heat light comes on after 22 seconds of Operation)-Upon inspection and troubleshooting found a blade prop heat harness split and disconnected from the system. Displaced Spinner for other maintenance. Removed defective prop heat wiring harness P/N 4E2071-2 & installed new Goodrich 3-wire harness assembly. P/N 4E2071-2. Functional test satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-30-60-00-00A-903A-A & Goodrich Manual 30-60-02.
- (Download trend data and clear data from card)-Removed EIS card but it had no information on the card. Card info showed it had no more capacity to store information. Reformatted card and reinstalled in aircraft. Ref. PC-12/45 AMM 12-A-77-40-00-00A-040C-A.
- (Left strobe Light out)-Removed & installed new power supply to L/H strobe light P/N 972.87.87.164, S/N 236775-68-13. Replaced new strobe light assembly P/N 972.87.87.322, S/N 238359-6-12. Operational test satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-33-43-02-00A-920B-A & 12-A-33-43-03-00A-920B-A.
- (Right main position indicator 1 green bulb out)-Replaced burnt out lamp's P/N 6839 in right main landing gear position indicator. Operational test satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-33-10-00-00A-040A-A.

The aircraft and/or component identified above was repaired and inspected in accordance with current CFR Title 14 Part 91.409 (f) (3) and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Timothy M Johnston

Date: October 05, 2022

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Model

PC-12/45

Serial No.

443

Registration

N552TC

Page

1 of 1

Aircraft Maintenance Record

Work Order No.

02A-13484/02M-13506

Hour Meter

4244.5

Aircraft Total Time

N/A

Landings

N/A

Discrepancy

- (Autopilot not tracking nav or heading)-Remove the loaner Bendix/King KSA372 Roll servo P/N 065-0056-56, S/N 3983 & installed a repaired roll servo P/N 065-0056-56, S/N 5161. Reference Pilatus PC-12/45 AMM 12-A-22-10-03-00A-920A-A & 12-A-25-21-00-00A-040A-A. No discrepancies noted.
- (Leather match of replacement cap assembly for interior)-Installed replacement interior cap. Ref. Pilatus PC-12/45 AMM12-A-25-21-00-00A-040A-A.

The aircraft and /or component identified above was repaired and inspected in accordance with current CFR Title 14 Part 91.409 (f) (3) and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Timothy M Johnston

Date:

November 7, 2022

AIRCRAFT LOG



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|--------------|----------|--|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-13829 |
| Serial No. | 443 | | Hour Meter | 4320.8 |
| Registration | N552TC | | Aircraft Total Time | N/A |
| Page | 1 of 1 | | Landings | 2938 |

Scheduled Maintenance or Due Items

- Complied With 05401A-300-Hour, Inspection. Reference Pilatus PC-12/45 AMM 12-A-05-40-01-01A-000B-A.
- C/W 21-50/433-Clean Air-Conditioning-Compressor/Condenser Module Vapor Cycle Compressor Condenser Module (Including Motor) (If installed). Ref. Enviro Systems CMM 21-00-23.
- C/W 24-30/69-6-Month, 600-Hour, Remove/Capacity Check No. 1 Lead Acid Battery P/N RG-380E/44, S/N 70017717. Passed at 54 min (>90%). Ref. Concorde CMM 24-30-71 & Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A.
- C/W 30-10/79-6-Month, Apply to Airfoil De-Icers A Surface Coating of Age Master No.1. Ref. Goodrich CMM 30-10-31.

Discrepancies

- (Seat 6 Requires swivel adjustment)-Adjusted seat #6 swivel. Ref. Pilatus PC-12/45 AMM 12-A-25-21-01-00A-903A-A. Operational check Satisfactory.
- (Engine oil low)-Serviced engine oil. Ref. Pilatus PC-12/45 AMM 12-A-12-10-03-00A-902A-A.
- (Hydraulic reservoir requires servicing)-Serviced hydraulic reservoir. Ref. Pilatus PC-12/45 AMM 12-A-29-00-00-00A-902B-A.
- (Chafe tape missing on LH engine cowling support bracket/frame)-Applied new chafe tape to the LH FWD engine cowling support bracket. Ref. Pilatus PC-12/45 AMM 12-B-71-10-00-00A-903A-A.
- (Chafe tape on RH engine cowling support bracket coming loose)-Removed de-bonded R/H FWD cowling door support chafe tape. Cleaned & prepped area, applied new chafe tape. Ref. Pilatus PC-12/45 AMM 12-B-71-10-00-00A-903A-A.

Airworthiness Directives or Service Bulletins

- FAA AD 2022-19-03-Requires incorporating new revisions to the ALS of the existing airplane maintenance manual (AMM) or Instructions for Continued Airworthiness (ICA) to establish a 5-year life limit for certain MLG actuator bottom attachment bolts and new life limits for the rudder bell crank EKGR571D Repair Station uses a cloud Based AMM which is updated Daily. Aircraft Owner notified.
 - Airworthiness Directives Reviewed Biweekly through 2023-05
- The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Timothy M Johnston

Date: March 8, 2023

FAA Repair Station No. EKGR571D

Registration No. _____

and Remarks



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| | | | | |
|--------------|----------|--|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No. | 02M-14016 |
| Serial No. | 443 | | Hour Meter | 4413.3 |
| Registration | N552TC | | Aircraft Total Time | 4413 |
| Page | 1 of 3 | | Landings | 2995 |

Scheduled Maintenance or Inspections

- C/W Annual Inspection per FAR 91.409(a)(1) using the following inspection guides.
 - 05402A-300-Hour/12-Month, Inspection. Reference Pilatus PC-12/45 AMM 12-A-05-40-01-02A-000B-A.
 - 05404A-600-Hour/12-Month, Inspection. Ref. Pilatus PC-12/45 AMM 12-A-05-40-01-04A-000B-A.
 - 05405A-1200 Hour/12 Month Inspection. Ref. Pilatus PC-12/45 AMM 12-A-05-40-01-05A-000B-A.
- C/W 05401A-300-Hour, Inspection. Ref. Pilatus PC-12/45 AMM 12-A-05-40-01-01A-000B-A.
- C/W 05403A-600-Hour, Inspection. Ref. Pilatus PC-12/45 AMM 12-A-05-40-01-06A-000B-A.
- C/W 00-00/45A-12-Month, (Internal) corrosion inspection. Ref. Pilatus PC-12/45 AMM 12-A-20-40-00-00A-901A-A.
- C/W 00-00/45B-12-Month, (External) corrosion inspection. Ref. Pilatus PC-12/45 AMM 12-A-20-40-00-00A-901A-A.
- C/W 21-30/43-60-Month, Cabin Altitude Switch Functional Test. Ref. Pilatus PC-12/45 AMM 12-A-04-00-00-00A-000A-A.
- C/W 21-30/49-60-Month, Cabin Differential Pressure Switch Functional Test. Ref. Pilatus PC-12/45 AMM 12-A-21-30-00-00A-9003A-A.
- C/W 21-50/433-12-Month, Cleaning of the Air Conditioning Compressor and Condenser. Ref. ENVIRO CMM 21-00-23.
- C/W 24-30/19-Start/Generator Overhaul. Removed Starter/Gen P/N 23085-029 S/N P1158 and sent to Falcon Crest Accessories, Inc. for Overhaul. Re-installed original Overhauled Starter/Gen P/N 23085-029 S/N P1158. Ref. to Pilatus PC-12/45 AMM 12-B-24-30-01-00A-920A-A.
- C/W 24-30/62-Examination of the Corrosion Protective Layer on the Ground Terminals of the Generator No. 1 and No. 2 and Battery No. 1 and No. 2. Ref. Pilatus PC-12/45 AMM 12-A-24-30-00-00A-901A-A.
- C/W 24-30/69-6-Month, Remove/ Capacity Check No.1 Lead Acid Battery P/N RG-380E/44 S/N 70017717. Passed at 86%. Operational test satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A and Concorde CMM 24-30-03.
- C/W 24-30/69-6-Month, Remove/ Capacity Check No.2 Lead Acid Battery P/N RG-380E/44 S/N 70020791. Passed at 100%. Operational test satisfactory. Ref. Pilatus PC-12/45 AMM 12-A-24-30-07-00A-920A-A and Concorde CMM 24-30-03.
- C/W 25-60/483-12-Month-Perform emergency locator transmitter (ELT) inspection. Ref. Far 91.207(d) and Kannad CMM 25-63-08. Battery Next Due 05/2027. Hex ID-ADC649810598B14
- C/W 26-20/24-12-Month, Cockpit fire extinguisher contents check. Weight within limits. Ref. instruction plate on fire extinguisher and Pilatus PC-12/45 AMM 12-A-26-20-01-00A-920A-A.

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FAA Repair Station No. EKGR571D

Date

Aircraft Time

This Date

Total

Recorder
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Maintenance

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2802 Old Tower Road
Phoenix Arizona 85034
FAA Repair Station No. EKGR571D602-267-4070 Phone
602-267-4030 FAX**Scheduled Maintenance or Inspections (Cont.)**

- C/W 27-40/11-3000-Hour/12-Month-Horizontal stabilizer trim, functional test of trim runaway aural warning system. Ref. Pilatus PC-12/45 AMM 12-A-27-40-00-00A-903A-A.
- C/W 27-50/27-4500-Hour-Flap Power Drive Unit (PDU) Replacement. Removed Flap PDU P/N 978.73.20.003 SN 0011 S/N 0011 and replaced with Overhauled P/N 978.73.20.003 S/N 1245 from Sauter Bachman LTD CRS# CH.145.0228 Work order # R57653. Ref. Pilatus PC-12/45 AMM 12-A-27-50-01-00A-920C-A.
- C/W 27-50/76-2400-Hour/3200-Landing/24-Month-Flap actuator backlash checks. Ref. Pilatus PC-12/45 AMM 12-A-27-50-03-00A-313B-A.
- C/W 27-50/437-600-Hour/12-Month-Inboard flap drive arms, in-situ inspection/check. Ref. Pilatus PC-12/45 AMM 12-A-27-51-00-00A-313A-A.
- C/W 30-10/79-6-Month, Application of Age Master No. 1 to all airfoil De-icers. Ref. Goodrich CMM 30-10-31.
- C/W 31-50/34-Caws & Cacu Clock Battery Replacement of battery P/N TL-5903/S. Ref. Pilatus PC-12/45 AMM 12-A-31-50-03-00A-920A-A. Battery next due JAN 2025
- C/W 32-10/80-12-Month, Lubricate NLG wheel bearings. Ref. Pilatus PC-12/45 AMM 12-A-32-40-01-00A-920A-A.
- C/W 32-10/80-12-Month, lubricate L/H MLG wheel bearings. Ref. Pilatus PC-12/45 AMM 12-A-32-40-02-00A-920A-A.
- C/W 32-10/80-12-Month, Lubricate R/H MLG wheel bearings. Ref. Pilatus PC-12/45 AMM 12-A-32-40-02-00A-920A-A.
- C/W 32-10/81-2400-Hour/12-Month, MLG hinge pin & bushes inspection/check. Ref. Pilatus PC-12/45 AMM 12-A-32-10-00-00A-313A-A.
- C/W 32-10/436-12-Month, Examine MLG shock struts top & bottom attachment bolts/nuts. Ref. Pilatus PC-12/45 AMM 12-A-32-10-00-00A-310A-A.
- C/W 32-20/336-300-Hour/400 Landings-Inspection/check of NLG upper right drag link. Ref. Pilatus PC-12/45 AMM 12-A-32-20-00-00A-313A-A. Work performed by Canyon State Inspection on CSI Job #AC23-796.
- C/W 34-21/84-Standby magnetic compass swing check. Ref. Pilatus PC-12/45 AMM 12-A-34-21-00-00A-903A-A.
- C/W 55-10/638-Complied with examination of horizontal stab with borescope. Ref. Pilatus PC-12/45 AMM 12-A-55-10-01-00A-312A-A.
- C/W 55-10/640-72-Month, Inspection/Check Horizontal/Vertical Stabilizer Attachment Bolts (P/N 555.10.12.139). Removed 2ea. bolts P/N 555.10.12.139 and found bolts to be corroded. Installed 2 ea. new bolts P/N 555.10.12.178 and 2ea. new nuts P/N 560.20.99.039 into horizontal stabilizer attach points. Ref. Pilatus PC-12/45 AMM 12-B-55-10-01-00A-920A-A.
- C/W 55-10/641-120-Month, Inspection/Check Horizontal/Vertical Stabilizer Attachment Bolts (P/N 555.10.12.139). Removed 2ea. bolts P/N 555.10.12.139 and found bolts to be corroded. Installed 2 ea. new bolts P/N 555.10.12.178 and 2ea. new nuts P/N 560.20.99.039 into horizontal stabilizer attach points. Ref. Pilatus PC-12/45 AMM 12-B-55-10-01-00A-920A-A. Next Due: June 2033
- C/W 76-10/117-3000-Hours/12-Month-Functional Test Propeller Feathering Microswitches. Ref. Pilatus PC-12/45 AMM 12-A-76-10-02-00A-903A-A.

FAA Repair Station No. EKGR571D

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Discrepancies

- (Left aileron inboard ribbon seal is punctured)-Removed ribbon seal P/N 557.60.12.227 and replaced with New P/N 557.60.12.227. Ref Pilatus PC-12/45 12A-57-60-01-00A-920A-A.
- (Left and right fuel filler cap O-rings deteriorated)- Removed L/H and R/H fuel cap O-rings P/N MS29513-232 and Replaced with New P/N MS29513-232. Ref. Pilatus PC-12/45 AMM 12-A-28-10-00-00A-313-A.
- (Beat Slip Ring Carbon Block is worn beyond limits)-Replaced propeller beta carbon block with New P/N CA3026. Ref. Pilatus PC-12/45 IPC 12-A-IPC-00-00-00-1.
- (NLG bump stop pad missing)-Installed new bump stop PN 553.10.12.572. Ref. Pilatus PC-12/45 AMM 12-A-20-31-00-00A-070A-A.
- (Landing gear selector valve seeping hydraulic fluid)-Removed landing gear selector valve P/N 960.30.01.271 S/N 0327AB and replaced with Overhauled P/N 960.30.01.271 S/N 0014ABC from Eaton Aerospace CRS# FH3R501L under work order C30939. Performed operational checks with satisfactory results. Ref. Pilatus PC-12/45 AMM 12-A-32-30-04-00A-920A-A.
- (NLG Turn Limit Placard illegible)-Replaced NLG turn limit placard with New P/N 511.23.12.028. Ref. Pilatus PC-12/45 AMM 12-A-11-00-00-00A-901A-A.
- (Pin holes 1ea on inboard de-ice boots LH & RH wings)-Repaired L/H and R/H wing de-ice boot Pin holes (1ea). Ref Goodrich CMM 31-10-31.
- (#5 propeller blade de-ice boot electrical terminal block stripped)-Replaced #5 propeller blade counterweight clamp with New P/N A-1495-1-B-R and de-ice boot lead terminal block with New P/N A-1650-1. Ref. MT propeller SL No. 15R1 and MT propeller manual E680.
- (#5 propeller de-ice boot harness chafe protection worn and requires replacement)-Installed new heat shrink to #5 propeller blade de-ice boot harness. Ref. MT Propeller CMM E-1083 61-00-83.
- (EIS Code 73 Displayed on EIS test)-Performed wire check of connected system referenced by code 73. Found aircraft needs full system power to correctly retrieve codes from EIS display, no discrepancies noted. All work done in reference to Pilatus PC/12-45 WMM 77-40-10.
- (Left and right horizontal stabilizer slider fairings PTFE foil delaminating)-Repaired left and right horizontal slider fairings PTFE foil P/N 917.40.70.381. Ref. Pilatus PC-12/45 AMM 12-A-20-50-01-00A-904A-A.
- (Upper beacon light will not illuminate. Verified proper voltage at connector)-Replaced tail beacon bulb with New P/N 34-0226010-91. Ref. Pilatus PC-12/45 AMM 12-A-33-46-01-00A-920A-A.
- (Cabin Differential Pressure Switch Failed Functional Test)-Removed differential pressure switch P/N P965.23.21.534 S/N 1009306 and replaced with New P/N P105651 S/N 1102094. Performed operational test of cabin differential pressure switch with satisfactory results. Ref. Pilatus PC-12/45 AMM 12-A-21-30-08-00A-920A-A.
- (#3 passenger seat has loose hardware (stop lock) under seat cushion)-Repaired #3 passenger seat stop lock. Ref. Goodrich CMM 25-20-07 (Rev. 6 July/15)
- (Interior "FR34" placard missing)-Installed interior "FR34" placard with New PN 511.34.12.030. Ref. Pilatus PC-12/45 AMM 12-B-11-30-20-00A-040A-A.

Airworthiness Directives or Service Bulletins

- C/W SB 77-006-Engine Indicating-Engine torque limiter installation improvement. Ref. Pilatus SB 77-006 service instructions.
- C/W P&WC SB 14545R1-Replaced torque limiter attachment bolts P/N MS9565-20. Ref. P&WC SB 14545R1.
- Airworthiness Directives Reviewed Biweekly Through 2023-08.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Martin Miller

Date: July 11, 2023

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FAA Repair Station No. EKGR571D

AIRCRAFT LOG



OCTOBER 17, 2023
 N552TC, PC-12/45, S/N 443
 AIRFRAME TT: 4,480.0 HOBBS: 4,480.0 LANDINGS: 3,041

AIRFRAME

OTHER MAINTENANCE:

-Troubleshoot/inspected propeller deice system by checking deice brush block for wear, inspected wiring harnesses for connection and chafing. Found one blade harness, P/N: 4H2071-2, to have 2 broken wires from chafing on a spinner screw that was the wrong length for the location. Removed and replaced harness with new P/N: 4H2071-2, performed operational check IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 45 dated January 16, 2023, Chapter 30-60-00, as applicable; MT Propeller Operation and Maintenance Manual for PT6A-67 Series Engines, Doc. # E-1083, Rev. 37 dated 03/06/2023, Chapter 61-00-83 as applicable; MT Propeller Service Bulletin 26, Deice Wiring on MTV-27-1 Propellers and Length of Spinner Screws, Rev. 5 dated 11/23/2015, as applicable; and MT Propeller Service Letter 49 Repositioning of De-ice Cables, Rev. 9 dated 02/06/2018

Details on file at this agency under work order # SO-18113

Chad Barta
 Heliponents, Inc. FAA Repair Station # XHCR780K

END



NOVEMBER 10, 2023
 N552TC, PC-12/45, S/N 443
 AIRFRAME TT: 4,493.1 HOBBS: 4,493.1

AIRFRAME

OTHER MAINTENANCE:

-Troubleshoot electrical system, consulted with Pilatus Tech Support, and followed the troubleshooting flow chart for the "BUS TIE" provided, referred to Pilatus Wiring Diagram Manual PC-12 A/C MSN 101-888. Found K210 relay to be failed, removed, and replaced K210 Relay with new P/N: 974.20.01.369 in the L/H Relay Panel IAW Pilatus PC-12/45 AMM, Doc. # 02049, Rev. 46 dated October 02, 2023, Chapter 20-00-00, as applicable. Operational check ok.

Details on file at this agency under work order # 18196

Chad Barta
 Heliponents, Inc. FAA Repair Station # XHCR780K

END

Total to
 Carry Forward

Registration No. _____

| and Remarks | Signature | Certificate No. |
|-------------|-----------|-----------------|
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2802 Old Tower Road
 Phoenix Arizona 85034
 FAA Repair Station No. EKGR571D



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 602-267-4030 FAX

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|--------------|----------|------------------------------------|---------------------|-----------|
| Model | PC-12/45 | Aircraft Maintenance Record | Work Order No | 02M-14466 |
| Serial No | 443 | | Hour Meter | 4556.7 |
| Registration | N552TC | | Aircraft Total Time | 4556.7 |
| Page | 1 of 1 | | Landings | 3095 |

Airworthiness Directives or Service Bulletins

- Complied with AD 2023-12-17 By incorporating new revisions to the ALS of the existing airplane maintenance manual (AMM) or Instructions for Continued Airworthiness (ICA) to establish a 5-year life limit for certain MLG actuator bottom attachment bolts and new life limits for the rudder bellcrank. EKGR571D Repair Station uses a cloud Based AMM which is updated Daily.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service with respect to the work performed. Pertinent details are on file at this repair station.

Signed:

Martin Miller

Date:

March 05, 2024

FAA Repair Station No. EKGR571D

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N552TC PILATUS PC 12/45 S/N 443 ACTT 4601.3 LNDS 3132

Performed a **300 FH, 300 FH/12 Mo., 600 FH/12 Mo., 1200 FH/12 Mo., 2400 FH/24 Mo. Airframe and Engine (Annual) Inspection** in accordance with the Pilatus PC-12 IETP Doc.# 02216, Rev.# 40, dated 10/02/2023 and the Pratt & Whitney Canada EMM P/N 3038336 Rev. 59.0, dated Apr. 08, 2024, periodic inspection guide, (300hr., minor and routine inspection items) per section 72-00-00 table 601.

Accomplished the requirements of PC-12 AMM sections 04-00-00, 05-10-10 and 05-10-20 as follows:

| | |
|--|---|
| 300hr. Compressor/Turbine Desalination | 2400hr. Fuel Cross Vent and Outward Check Valve Test |
| 300hr. Engine Oil Sample (A.O.A. LABS) | 2400hr./12mo. Main Landing Gear Hinge Pin and Bushes Insp/Ck |
| 300hr. VC Compressor Condenser Module and Motor Cleaning | 3000hr./12mo. Horizontal Stab Trim Runaway Aural Warning Tests |
| Operational Check of Air Conditioning System (Hobbs 1001.9) | 3000hr./12mo. Prop Feathering Micro Switch Tests |
| 300hr. Oil Filter Inspection | 1 Mo. Aircraft Wash |
| 300hr. P3 Air Filter Cleaning/Filter Bowl & Drain Valve Inspection | 6mo. Airfoil De-ice Boot Treatment |
| 300hr./12mo. Chip Detectors Inspection | 3/6/12mo. Internal/External Airframe Corrosion Inspection |
| 300hr./Annual MT Propeller Inspection | 12mo. MLG Shock Absorber Top and Bottom Attachment Bolt and Nut Inspection |
| 400hr. Spark Igniters, Cables and Exciter Insp./Check | 12mo. ELT Functional Test IAW FAR 91.207(d) (Details Below) |
| 400hr. Fuel Manifold and Nozzle Assembly Inspection performed by Heritage Turbines Inc. Ref. WO# PO24-0401 dated 21/MAY/2024. Cert# H11R069Y | 12mo. Portable Fire Extinguisher Contents Check |
| 400hr. Hot section boroscope (In conj. with fuel nozzle inspection) | 12mo. Crew & Passenger Life Vest Inspection |
| 600hr. Eng. Fuel Pump Outlet Filter Replacement | 12mo. Main and Nose Landing Gear Wheel Bearing Lube |
| 600hr. Eng. Fuel Pump Inlet Filter Cleaning | 24 mo. CAWS CACU Battery Replacement |
| 600hr./6mo Lead Acid Battery #1 Inspect/Service | 24mo. FAR 91.411/91.413 Transponder, Altimeter, Static System Checks. (Details below) |
| 600hr./6mo Lead Acid Battery #2 Inspect/Service | 36mo. Pax Oxygen Masks Inspection/Check |
| 600hr./12mo. Chip Detector Inspection | 6yr. Portable Fire Extinguishers Inspection (Details below) |
| 600hr./12mo. Inboard Flap Drive Arms In-situ Insp./Check | 120mo. Life Vests Discard |
| | 4000 LDG NLG Drag Link Right Part Life Limit. |



Performed The Following Maintenance Actions:

- Complied with 12 month inspection IAW **Instructions for Continued Airworthiness** on the following installations;
 - G600 DU's Structural Integrity Inspection
 - GTN 650/750 Structural Integrity Inspection
 - GTX 330 Structural Integrity Inspection
 - GTS 800 Structural Integrity Inspection
 - GDL 69A Processor Structural Integrity Inspection
 - Tron Air Tow Bar Head Mounting Rack Installation Structural Integrity Inspection
- Complied with **2000hr./10yr. IAW Instructions for Continued Airworthiness** on the following installations;
 - G600 DU's 2000Flt/Hr. or 10 Yr. Electrical Bonding Check IAW Garmin Doc. #190-01717-B1.
 - GTN 650/750 2000Flt/Hr. or 10 Yr. Electrical Bonding Check IAW Garmin Doc. #190-01007-A1.
 - GTS 800 2000Flt/Hr. or 10 Yr. Electrical Bonding Check IAW Garmin Doc. #005-00738-01.
 - GTX 345 2000Flt/Hr. or 10 Yr. Electrical Bonding Check IAW Garmin Doc. #190-00734-11.
- Downloaded **engine trend ECTM data card** and sent files to Campsystems for review.
- Complied with **inspection and test of the altimeter, altitude reporter, transponder, and static system** as required by F.A.R. 91.411 and 91.413 IAW F.A.R. 43 appendixes E and F. The altimeter was tested to 30,000 ft.
- Removed and inspected ELT** and installation IAW FAR 91.207(d) using Kannad manual P/N DMA174T Rev. 17 dated June/22/2022 and Pilatus AMM. 25-63 as a guide. No defects noted; ELT passed at this time. Post installation checks normal. ELT P/N S1821502-02 S/N J092-0048. **Batt exp 05-2027.**
- Portable Fire Extinguisher** P/N C352 S/N E-92812692 Inspected/Hydro Tested by O'Brien Ent. Inc. Ref W.O. 24679 dated 05/30/2024. Cert.#QK3R792L.
- Removed **flap power drive unit (PDU)** P/N 978.73.20.003 S/N 1245. Installed an overhauled unit from Pilatus S/N 0692. Ref. Sauter Bachmann Ltd. W.O.# R56852 dated 22/Apr./2024. Cert.# CH.145.0228. Unit TSN 2968.5 CSN 3449 TSO 0.0 CSO 0. Performed satisfactory flap system set procedure.



8. Removed co-pilots oxygen mask/regulator P/N MC 10-06-121 S/N 95584. Installed a new oxygen mask/regulator P/N MC 10-06-125 S/N B199794 from Pilatus Aircraft. Ref. Safran Aerosystems W.O.# 0000751651 dated 02/Nov./2023. Approval # FR.21G.0049. Performed satisfactory operational test of mask.
9. Installed all new life vests. 2 crew P/N P01074-201C S/N's 24031320010 (Pilot) & 24031320011 (Co-Pilot) (Next inspection due 03/2034) and 6 passenger P/N P01074-201 S/N's 24022290007 (seat #1), 24022290008 (seat #2), 24022290009 (seat #3), 24022290010 (seat #4), 24022290011 (seat #5) and 24022290012 (seat #6), (Next inspection due 02/2034).
10. Replaced chafe strips on left and right main landing gear wells, (1ea.) P/N 557.24.12.317, (2ea.) P/N 557.24.12.318, (1ea.) P/N 557.24.12.319, (2ea.) P/N 557.24.12.320, (1ea.) P/N 557.24.12.321 and (1ea.) P/N 557.24.12.322.
11. Replaced VCCS drive pulley P/N 1250146-5 and drive belt P/N 959.90.22.105.
12. Replaced hydrolocks P/N HL10000-138 on passenger seats #5 & #6. Installed overhauled hydrolocks from Aviation Fabricators. Ref. W.O. 021790-05-2024 dated 30/MAY/2024. Cert.# GVRR304K.
13. Replaced right wing outboard fuel sump drain, P/N 963.82.23.401. Resealed nut plates for drain flange. Access through panel 61GB.
14. Replaced alignment strap on forward upper engine cowling, right side. P/N 571.10.12.194.
15. Replaced EIS Battery P/N LS14250. Reprogrammed date and time settings.
16. Replaced grease seals on nose wheel bearings. Seal P/N 68-744. (2 ea.)
17. Replaced outer lense on taxi light and left landing light. P/N 68-3971486A-30.
18. Replaced tail beacon lamp P/N 34-0226010-9.
19. Replaced 1 ea. nav. light lamp per side (left & right dual nav lights) P/N 972.87.87.217.
20. Adjusted aileron control cable tensions IAW PC-12 AMM 12-A-27-10-00-00A-903A-A.
21. Adjusted rudder control cable tensions IAW PC-12 AMM 12-A-27-20-00-00A-903A-A.
22. Serviced main landing gear shock struts with hydraulic fluid and nitrogen IAW PC-12 AMM.
23. Replaced several rivets on left and right lower flap skins as required. P/N CR3213-4-3.
24. Repaired seal area on left and right windshields IAW PPG SIL -172121-001 as required.
25. Adjusted swivel and recline mechanisms on passenger seat #4 for correct operation.
26. Installed new dual lock velcro left and right cabin tray table shrouds for correct security.
27. Re-attached main ground cable for hydraulic power pack.
28. Replaced grommet in nose gear wheel well for fuel shut off cable.
29. Adjusted engine torque and flight idle settings IAW PC-12 AMM.
30. Adjusted propeller low pitch warning switch for correct operation IAW PC-12 AMM.
31. Serviced oxygen.



Complied with the following SBs & ADs:

1. **Pilatus Optional S/B 32-014 (Ref. #153)** Replacement of nose landing gear upper right hand drag link has been complied with IAW SB accomplishment instructions. Removed right hand upper drag link P/N 532.20.12.140. Installed parts listed in service bulletin kit P/N 500.50.12.274 from Pilatus Aircraft with new right hand upper drag link P/N 532.20.12.296.
2. **Pilatus Mand. S/B 21-016 (Ref# 449)** Regarding Air Conditioning – Compressor Condenser Module – Modification to The Compressor/Condenser Bonding has been found to be N/A by effectivity.
3. **P&WC S/B A14574R1** Regarding second-stage power turbine (PT2) blade failures. S/Ns listed on table #1 have been verified to not be installed at this time.
4. **AD 2020-21-23** Regarding Pilatus S/B 55-004 – Horizontal stabilizer rear attachment bolts is complied with by previous incorporation of Pilatus SB 55-004. No affected bolts are installed. Ref. log entry dated June 05,2020.
5. **AD 2023-09-12** Regarding Pilatus S/B 21-016 - modification to the compressor/condenser module bonding has been found to be N/A by MSN and physical inspection shows no large oxygen system installed in the tail compartment.
6. **AD 2024-04-51** Regarding second-stage power turbine (PT2) blade failures has been complied with IAW the instructions listed in TC CF-2024-05. **P&WC S/B A14574R1** list affected PT2 Blades S/N's on table #1 of this S/B which are not installed on engine S/N PCE-PR0309 at this time.
7. **AD 2024-08-07 (Supersedes AD 2023-12-17)** Regarding Airworthiness Limitations is complied with by incorporation of Structural, Component and Miscellaneous - Airworthiness Limitations, Document Module Code 12-A-04-00-00-00A-000A-A, of the Pilatus Model type - PC-12, PC-12/45, PC-12/47 MSN-101-888 Aircraft Maintenance Manual Document No. 02049, latest Revision 46, dated Oct. 02, 2023.

➤ ADs checked for compliance through **BW 2024-11**.

I certify that this aircraft has been inspected in accordance with a 300 FH, 300 FH/12 Mo., 600 FH/12 Mo., 1200 FH/12 Mo., 2400 FH/24 Mo. Airframe and Engine Inspection and was determined to be in airworthy condition with respect to the work performed.

Signed

W.O.# 25297

Dated 06/06/2024

Nicholas Delawder - Chief Inspector
MARTIN AVIATION, MAINTENANCE
19300 IKE JONES ROAD, SANTA ANA, CA 92707
RS CERT.# M8VR406N