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TP3910E

# AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

## POWER SECTION MODULE LOG BOOK

Second Edition

January 1987

Canada

Sherrill Johnson

Tracy Myers

NEW ENGINE FINAL ACCEPTANCE TEST  
COMPLETED SATISFACTORILY AND IS IN  
A CONDITION FOR SAFE OPERATION.

NEW ENGINE  
PT-1212 AIRCRAFT  
INSTALLED IN PLANT  
SN PCE-PR 0309  
NEW ENGINE P28A-67B

ENGINE LOG

- 1. Make PRATT AND WHITNEY CANADA CORP.
- 2. Model PT6A-67B
- 3. Specification 737 (E.T.C.E.-21)
- 4. Manufacturer's Serial Number PS-PR0309
- 5. Date of Manufacture SEPTEMBER-2001
- 6. Aircraft Inspection Cycle \_\_\_\_\_

# ENGINE SERVICE AND

# MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
07-25-17-01	0	0	0	0	NEW ENGINE FINAL ACCEPTANCE TEST COMPLETED SATISFACTORILY AND IS IN A CONDITION FOR SAFE OPERATION.
23. NOV. 2001	0	0	0	0	NEW ENGINE PT6A-67B S/N PCE-PR 0309 INSTALLED IN PILATUS PC-12/45 AIRCRAFT WITH MSN 443
Dec-10/2001	4.7	Reboles	0	0	Acc. PILATUS PC-12/45 Flight Test Report.
					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
THIS POWERSECTION MODULE IS COMBINED WITH GAS GENERATOR S/N: PCE - PR0309 Ng1/A 35400 RPM, AT 1200 SHP/6/A ITT TRIM: 57.3 C° T5 TRIM RESISTANCE: 19.8 OHMS.	<i>Denis Gaudreau</i>	T.C. 4-59 NO. 018
GROUND RUN COMPLETED SATISFACTORILY.	<i>H. Gaudreau</i> QUALITY INSPECTION	44
ENGINE OIL USED: EXXON 2300		
	PILATUS AIRCRAFT LTD CH-6370 STANS (SWITZERLAND)	44

**SUN JET CENTER**

DATE: 12/19/2002

MAKE / MODEL: Pratt & Whitney PT6A-67B

AIRCRAFT TOTAL TIME: 183.4

ENGINE TOTAL TIME: 183.4

AIRCRAFT REG: N466SA  
AIRCRAFT S/N: 443  
Engine S/N: PS-PR0309

**ENGINE LOG ENTRY**

> I certify that this engine has been inspected I/A/W an annual inspection per guidelines in the Pilatus PC 12/45 maintenance manual annual inspection checklist, FAR 91.409(a), and has been determined to be in an airworthy condition. Airworthiness Directives verified through 2002-25B.

Airworthiness Directives complied with:

- > No outstanding AD's apply at this time

Service Information complied with:

- > No service information was elected to be accomplished this inspection.

Special Inspections accomplished during this inspection.

- > 200 Hour Compressor Performance Recovery / Desalination Wash.
- > 200 Hour Spark Igniter Inspection. No defects noted at this time.
- > 200 Hour P3 Cleaning. No defects noted at this time.
- > 200 Hour Propeller Microswitch Feathering tests. No defects noted at this time.
- > One Year / 500 Hour Engine Torque Limiter Performance Test. No defects noted at this time.
- > One Year / 600 Hour Chip Detector Inspection. No defects noted at this time.

> Operational / leak checks completed on the work described above and found to be satisfactory. All work accomplished I/A/W the Pilatus PC 12/45 maintenance manual and is approved for return to service.

Maintenance Release: This aircraft, airframe, engine, propeller or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with the applicable aircraft, engine, propeller, and / or appliance maintenance manuals and instructions. Pertinent details are on file at this repair station under work order 16002.

Authorized Signature: *Ben T. Games* Ben T. Games, Chief Inspector for CRS# ECWR4700.  
Sun Aviation, Inc. Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.



ENGINE SERVICE AND



580 Airport Road  
Rock Hill, SC 29732  
803-366-5108

LOG BOOK ENTRY

LICENCE  
NUMBER

DATE	TIME RUN	TIME SINCE (A/E/D/U/AM)	INSTALLATIONS	INSPECTIONS	D FOR COMPLETE	ENTRIES: 01
			Aircraft Reg.: N466SA	6-17-05		
			Manufacture: P&W	Work Order #		
			Model: PT6A-67B	F5000		
			Serial Number: PCE-PR0309	Pg 1 of 1		
			Hour Meter: 455.6	Eng. TT: 455.6		
			Total Cycles/Landings: 206			
			Time Since H/S			
			TSMOH:			
<p>C/W 100 HR INSPECTION PER P&amp;W AND PILATUS M.M. GUIDES. C/W SOAP SAMPLE TAKEN AND FILTER PATCHED. C/W 200 HR/1 YR. IGNITOR TEST. C/W 600 HR./1 YR. CHIP DETECTOR TEST. C/W 500 HR/1 YR. TO. LIMITER TEST. C/W 500 HR/1 YR. TRANSDUCER ELECT. CONNECTOR CLEANING. C/W COMPRESSOR WASHED. ALL OPERATIONAL AND LEAK CHECKS SATISFACTORY.</p>						
<p>The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. <u>Probo</u>.</p> <p>Signed: <u>[Signature]</u> EDUARDO R. VARGAS for: Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341</p>						

N466SA Engine Entry July 1, 2006  
W/O 62341 Hobbs: 647.9 Total: 647.9 Cycles: 458 S/N: PCE-PR0309

- Performed 100hr inspection on engine IAW PC-12/45 MM.
- Performed the following time limit items:
  - Power plant torque limiter test. (500 hr, 1 yr)
  - Compressor/Turbine wash. (100 hr)
  - Fuel pump inlet screen cleaning. (600 hr)
  - Spark igniter checks. (200 hr, 1 yr)
  - Chip detector insp. (600 hr, 1 yr)
- Performed the following overhaul/replacement items:
  - Fuel pump outlet filter replacement. (600 hr)
- AD's checked thru 2006-12.

I certify that this Engine has been insp IAW a 100hr insp and was determined to be in airworthy condition.

**MAINTENANCE RELEASE** The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under **Work Order No. 62341** Date: **July 1, 2006** Signed [Signature] for Skytech, Inc., PO Box 37507, Rock Hill, SC 29732. CRS #C41R727N



LOG BOOK ENTRY

580 Airport Road  
Rock Hill, SC 29732  
803-366-5108  
CRS #C41R727N



Aircraft Reg: N466SA 5/11/2007  
Manufacturer: P&W Work Package: T843  
Model: PT6A-67B Total Cyc/Lndgs: 605  
Serial Number: PCE-PR0309 TS H/S:  
Hour Meter: 795.2 TSMOH:  
Eng. TT: 795.2

DATE	TIME RUN	TIME SINCE (A/E/D/U/AM)	INSTALLATIONS	INSPECTIONS	D FOR COMPLETE	ENTRIES: 01
			Aircraft Reg.: N466SA	March 2, 2006		
			W/O 62151	Hobbs: 618.9 Total: 618.9 Cycles: 446		
				S/N: PCE-PR0309		
<p>1. Performed a 100 hour inspection per the Pilatus PC-12 AMM chapter 05-20-10-00.</p> <p>2. Performed the following Time Limit Items:</p> <ol style="list-style-type: none"> <li>Compressor wash and rinse. Turbine rinse. (100 hr)</li> <li>Spark igniter checks. (200 hr, 1 yr)</li> <li>Chip detector insp. (600 hr, 1 yr)</li> <li>AGB screen insp. (200 hr)</li> <li>P3 air filter cleaning. (200 hr)</li> <li>AGB screen insp. (200 hr)</li> <li>Accessory gearbox Chip detector - Inspect</li> <li>Fuel Pump Inlet Screen - Clean (600 hrs)</li> </ol> <p>3. Ad's checked through 2006-3.</p>						
<p>I certify that this Engine has been inspected IAW a 100hr inspection and was determined to be in airworthy condition.</p> <p><b>MAINTENANCE RELEASE</b> The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under <b>Work Order No. 62151</b> Date: <b>March 2, 2006</b> Signed <u>[Signature]</u> for Skytech, Inc., PO Box 37507, Rock Hill, SC 29732. CRS #C41R727N</p>						

C/W 100 HR /ANNUAL INSPECTIONS PER P&W AND PILATUS M.M. GUIDES. C/W SOAP SAMPLE TAKEN AND FILTER PATCHED. C/W 600 HR/1YR. CHIP DETECTORS INSPECTION. C/W 500 HR./1YR. TORQUE LIMITER TEST. C/W 500 HR./1YR. TRANSDUCER ELECT. CONNECTORS CLEANED. C/W 400 HR. FUEL NOZZLES INSPECTION BY SOUTHEAST TURBINES, INC. RS#E7BR2310 AND 73-11-05. C/W C.T. TURBINE DISC EVERY 400 HRS. PER P&W 72-00-00 PG 623. C/W 400 HR. #2 GEN. BRUSHES INSPECTION AND REPLACED BRUSHES (978 96.01 092). OPS CHECK GOOD. C/W 200 HR. STARTER-GEN BRUSHES INSPECTION. C/W 200 HR. P3 FILTER CLEANED. C/W 200 HR/1YR. IGNITORS CHECKED. C/W ENG. COMPRESSOR WASHED. ALL OPERATIONAL AND LEAK CHECKS SATISFACTORY.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. T843

Signed: [Signature] EDUARDO R. VARGAS  
for: Epps Air Service, Inc., Repair Station ESMR688D, 1 Aviation Way, Atlanta, GA 30341

TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

CARRIED FORWARD

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.



# ENGINE SERVICE AND

# MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
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**ENGINE** September 13, 2007 Hobbs: 889.2 Total Time: 889.2 N466SA  
Total Cycles: 648

Performed an Annual Inspection using a Pilatus PC-12 checklist and FAR 43, Appendix D. Airworthiness Directive compliance checked through Revision 2007-18.

Removed engine fuel nozzles and flow divider for 400 hour hot section borescope inspection. (See log entry from Mayo Aviation, Inc., dated 8/14/07, placed in the aircraft records.) Reinstalled fuel nozzles in accordance with Pratt & Whitney maintenance manual. Leak check good after installation.

Complied with 500 hour/annual engine performance test. No discrepancies noted.

Complied with 500 hour/annual engine torque limiter test. No discrepancies noted.

Removed propeller and sent for overhaul. (See FAA Form 8130-3 from Rocky Mountain Propellers, Inc., dated 09/06/07 placed in the aircraft records.) Reinstalled propeller following overhaul. Operational and leak checks good.

Downloaded trend monitoring information and forwarded to The Trend Group.

Complied with 3000 hour #2 Generator drive bearing replacement and drive adapter inspection per the manufacturer's specifications.

Complied with 1000 hour starter/generator overhaul by removing Serial No. 97302 and installing an overhauled unit, Serial No. Y10145. (See FAA Form 8130-3 from WECO Aerospace, Inc., dated 01/08/07 placed in the aircraft records.)

Complied with engine fuel pump inlet screen cleaning and fuel pump outlet filter replacement.

Complied with the 600 hour fuel pump coupling shaft inspection.

**ENGINE** March 21, 2008 Hobbs: 977.3 Total Time: 977.3 Total Cycles: 667 N466SA

Performed a 100 Hour Inspection using the Pilatus PC-12 checklist. Airworthiness Directive compliance checked through Revision 2008-05.

Downloaded trend monitoring information and forwarded to The Trend Group.

Complied with engine fuel pump inlet screen cleaning and fuel pump outlet filter replacement.

Complied with 100 hour engine oil filter inspection. No discrepancies noted.

Complied with P3 air filter cleaning and drain valve housing inspection.

Complied with spark ignitor inspection. No discrepancies noted.

Complied with engine chip detector checks. No discrepancies noted.

Performed engine compressor and turbine wash in accordance with Pratt & Whitney maintenance manual.

Complied with Hartzell S.L. HC-SL-61-254, propeller operating restrictions, by verifying the propeller speed indication to be accurate. Engine rigging for idle speed was found to be within the manufacturer's specifications.

Ground run and leak check completed in accordance with FAR 43.15 (c)(3) and was found to be satisfactory.

I certify that this engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

*M. E. Biron*  
Mark E. Biron, A&P 2387920

For Aviation Sales, Inc.  
W. O. 15693

**ENGINE (cont'd.)** September 13, 2007 N466SA

Complied with 1000 hour P3 air filter replacement.

Complied with spark ignitor inspection. No discrepancies noted.

Complied with engine chip detector checks. No discrepancies noted.

Complied with engine oil filter replacement.

Complied with 100 hour engine oil filter inspection. No discrepancies noted.

Performed engine compressor and turbine wash in accordance with Pratt & Whitney maintenance manual.

Complied with 1000 hour accessory gear box internal scavenge pump inlet screen inspection. No discrepancies noted.

Safetied Py line on fuel control unit per the manufacturer's specifications.

Safetied P3 line on fuel control unit.

Adjusted OS governor NP per the manufacturer's specifications.

Adjusted NF governor NP per the manufacturer's specifications.

Adjusted propeller low pitch warning switch per the manufacturer's specifications.

Adjusted reverse power per the manufacturer's specifications.

Complied with Hartzell S.L. HC-SL-61-254, propeller operating restrictions, by verifying the propeller speed indication to be accurate. Engine rigging for idle speed was found to be within the manufacturer's specifications.

Dynamically balanced the propeller with Chadwick/Helmuth equipment and procedures per the Pilatus maintenance manual.

Ground run and leak check completed in accordance with FAR 43.15 (c)(3) and was found to be satisfactory.

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

*Glenn D. Jones*  
Glenn D. Jones, A&P 3130913 IA

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

For Aviation Sales, Inc.  
W. O. 15477

**WESTERN AIRCRAFT**  
A *Swanwick Aviation Group* Company  
4300 S KENNEDY ST., BOISE, IDAHO 83705-8132, U.S.A. PHONE 208-338-1800

**POWER SECTION LOGBOOK INSERT**

DATE : 29 Dec 2008 ENGINE MAKE PRATT & WHITNEY MODEL PT6A-67B S/N PS-PR0309

ENG TTIS: 1086.1 SMOH: N/A CYCLES: 740 Installed on Aircraft N466SA ACTT: 1086.1

**Completed Annual Engine Inspections** using Western Aircraft checklist Form MX-007 Rev 10 as per Pilatus PC-121ETP Rev 10 dated 1 March 2008, document number 303849 Issue 1, Rev 0, dated 20 Nov 2007, section 12-A-05-20-20-00A-281A-A, and Pratt and Whitney Canada Model PT6A-67B Maintenance Manual, part number 3038336, Rev. 33, dated 7 Nov 2008, section 72-00-00, table 602(minor, routine, and 100 hour inspection items). Oil sample shipped for SOAP analysis.

**Chapter 4 & 5 Items addressed at this time**

12 month/ 200 Hour spark igniter inspection is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement, AMM 12-A-74-20-00-00A-920A-A and EMM 74-20-00.

12 month/ 500 Hour torque limiter check is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and AMM12-A-71-00-00-00A-903A-A, Table 501)

12 month/ 500 Hour torque pressure and stick pusher torque transducer electrical connector cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-71-00-03-00A-250A-A.

12 month/ 600 Hour chip detector inspection is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and EMM 72-00-00.

200 Hour P3 air filter cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and EMM 73-10-07.

400 Hour fuel manifold adapter, nozzles and borescope inspections are accomplished per AMM12-A-05-10-20-00A-281A-A requirement and EMM 73-11-05.

Performed satisfactory operation and leak checks per AMM 12-A-71-00-00-00A-903A-A. No discrepancies are noted at this time. Installed one new manufacture engine fuel manifold transfer tube P/N 3011155. Satisfactory leak checks are accomplished.

2000 Hour first stage compressor inspection is accomplished per EMM 72-30-05 page block 201.

2000 Hour hot section inspection is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and EMM 72-00-00-06 table 604. The Outer CC Liner P/N 3055657-01 S/N 12N610, Small Duct Assy. P/N 3123302-01, CT Disk Assy. P/N 3053974-01 S/N A000YW64 and Inner CC Liner P/N 3116790-01 S/N 14N184 are inspected and returned to service by FAA CRS EJ3R477L on W/O 156021 dated 24 Nov 2008. All work done per EMM 72-00-00, 72-40-01, 72-50-01, 72-50-02, and 73-11-05.

**Airworthiness Directives and Service Bulletins addressed at this time**

AD 2002-23-13 Amtr 39-12957 dated 31 Dec 2002 concerning the engine turbine exhaust duct is determined not to apply to the installed engine per the directive paragraph (b) and SIB 12173 as referenced. No action is required.

Pilatus SL 123 dated 8 Sep 2008, concerning Starter Generator improvements is accomplished at this time. Installed an exchange starter generator P/N 23085-029 S/N P1015 and removed P/N 23085-025 S/N Y10145 per AMM 12-A-24-30-01-00A-920A-A. This unit is overhauled by FAA CRS G84R924X on W/O R21342 dated 28 Aug 2008.

**Other maintenance items addressed at this time**

- Adjusted and tested the engine over-speed governor per AMM 71-00-00-00A-903L-A.
- Adjusted and tested the engine NF governor per AMM 71-00-00-00A-903M-A.
- Adjusted the engine power controls and beta controls per AMM 12-A-76-10-00-00A-903A-A.
- Adjusted the engine reverse power RPM per AMM 71-00-00-00A-903S-A.

- - END - -

**MAINTENANCE RELEASE:** I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and is determined to be in airworthy condition. The Engine and/or component identified above was inspected and/or repaired, per current Regulations of the Federal Aviation Administration, and is subsequently approved for return to service. Pertinent details are on file at this agency under Shop Work Order No. 4621. Airworthiness Directives have been checked through B/W 2008-26, Date, 29 Dec 2008.

Signature of authorized Person *Glenn D. Jones* Leslie J Downs  
FAA CERTIFIED REPAIR STATION NO. 1408532N

# ENGINE SERVICE AND

# MAINTENANCE RECORD

**WESTERN AIRCRAFT**  
A Greenwitch AeroGroup Company  
4300 S KENNEDY ST., BOISE, IDAHO 83705-8132, U.S.A. PHONE 208-338-1800

DATE: 18 Jan 2010  
**POWER SECTION LOGBOOK INSERT**

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-67B S/N PS-PR0309  
ENG TTIS: 1175.3 SMOH: N/A CYCLES: 828 Installed on Aircraft N552TC ACTT: 1175.3

Completed Annual Engine inspections using Aircraft checklist Form MX-007 Rev 12 as per Pilatus PC-12/45/47 AMM Rev 19, dated 1 Mar 2009, section 12-A-05-20-20-00A-281A-A, and Pratt and Whitney Canada Model PT6A-67B Maintenance Manual, part number 3038336, Rev. 35, dated 17 Jul 2009, section 72-00-00, table 601 (minor, routine, and 100 hour inspection items). Oil sample shipped for SOAP analysis.

*Chapter 4 & 5 Items addressed at this time*

12 month/ 200 Hour spark igniter inspection is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement, AMM 12-A-74-20-00-00A-920A-A and EMM 74-20-00.

12 month/ 500 Hour torque limiter check is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and AMM12-A-71-00-00-00A-903A-A, Table 501) requirement and AMM 12-A-71-00-03-00A-250A-A.

12 month/ 500 Hour torque pressure and stick pusher torque transducer electrical connector cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-71-00-03-00A-250A-A.

12 month/ 600 Hour chip detector inspection is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and EMM 72-00-00.

200 Hour starter generator brush wear check is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-24-30-01-00A-313A-A.

400 Hour generator No.2 Mod C brush inspection is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-24-30-02-00A-313A-A.

-- END --

MAINTENANCE RELEASE: I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and is determined to be in airworthy condition. The Engine and/or component identified above was inspected and/or repaired, per current Regulations of the Federal Aviation Administration, and is subsequently approved for return to service. Pertinent details are on file at this agency under Shop Work Order No. 6798. Airworthiness Directives have been checked through BW 2010-02 Date: 18 Jan 2010.

Signature of authorized Person Ronnie D. Bortz  
For FAA CERTIFIED REPAIR STATION NO. FE6R532N

**WESTERN AIRCRAFT**  
A Greenwitch AeroGroup Company  
4300 S KENNEDY ST., BOISE, IDAHO 83705-8132, U.S.A. PHONE 208-338-1800

DATE: 11 Feb 2011  
**POWER SECTION LOGBOOK INSERT**

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-67B S/N PS-PR0309  
ENG TTIS: 1250.9 SMOH: N/A CYCLES: 859est Installed on Aircraft N552TC ACTT: 1250.9

Completed Annual Engine inspections using Aircraft checklist Form MX-007 Rev 14 as per Pilatus PC-12/45/47 AMM 02049 Rev 22, dated 15 Apr 2010, section 12-A-05-20-20-00A-281A-A, and Pratt and Whitney Canada Model PT6A-67B Maintenance Manual, part number 3038336, Rev. 36, dated 30 Apr 2010, section 72-00-00, table 601 (minor, routine, and 100 hour inspection items). Oil sample shipped for SOAP analysis.

*Chapter 4 & 5 Items addressed at this time*

12 month/ 200 Hour spark igniter inspection is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement, AMM 12-A-74-20-00-00A-920A-A and EMM 74-20-00.

12 month/ 500 Hour torque limiter check is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and AMM12-A-71-00-00-00A-903A-A, Table 501)

12 month/ 500 Hour torque pressure and stick pusher torque transducer electrical connector cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-71-00-03-00A-250A-A.

12 month/ 600 Hour chip detector inspection is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and EMM 72-00-00.

200 Hour starter generator brush wear check is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-24-30-01-00A-313A-A.

200 Hour P3 air filter cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and EMM 73-10-07.

-- END --

MAINTENANCE RELEASE: I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and is determined to be in airworthy condition. The Engine and/or component identified above was inspected and/or repaired, per current Regulations of the Federal Aviation Administration, and is subsequently approved for return to service. Pertinent details are on file at this agency under Shop Work Order No. 7742. Airworthiness Directives have been checked through BW 2011-01 Date: 11 Feb 2011.

Signature of authorized Person Ronnie D. Bortz  
For FAA CERTIFIED REPAIR STATION NO. FE6R532N

TOTAL THIS PAGE			
TOTAL FROM PREVIOUS SUMMARY			
TOTAL SINCE MFG.			

CARRIED FORWARD

**WESTERN AIRCRAFT**  
A Greenwitch AeroGroup Company  
4300 S KENNEDY ST., BOISE, IDAHO 83705-8132, U.S.A. PHONE 208-338-1800

DATE: May 08, 2012  
**POWER SECTION LOGBOOK INSERT**

ENGINE MAKE PRATT & WHITNEY MODEL PT6A-67B S/N PS-PR0309  
ENG TTIS: 1284.3 SMOH: N/A CYCLES: 876 Installed on Aircraft N552TC ACTT: 1284.3

Completed Annual Engine inspections using Aircraft checklist Form MX-007 Rev 15 as per Pilatus PC-12/45/47 M 02049 Rev 24, dated Dec 2011, section 12-A-05-20-20-00A-281A-A, and Pratt and Whitney Canada Model PT6A-67B Maintenance Manual, part number 3038336, Rev. 37, dated 8 Oct 2010, section 72-00-00, table 601 (minor, routine, and 100 hour inspection items). Oil sample shipped for SOAP analysis.

*Chapter 4 & 5 Items addressed at this time*

12 month/ 200 Hour spark igniter inspection is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement, AMM 12-A-74-20-00-00A-920A-A and EMM 74-20-00.

12 month/ 500 Hour torque limiter check is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and AMM12-A-71-00-00-00A-903A-A, Table 501)

12 month/ 500 Hour torque pressure and stick pusher torque transducer electrical connector cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-71-00-03-00A-250A-A.

12 month/ 600 Hour chip detector inspection is accomplished per AMM12-A-05-10-20-00A-281A-A requirement and EMM 72-00-00.

200 Hour starter generator brush wear check is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and AMM 12-A-24-30-01-00A-313A-A.

200 Hour P3 air filter cleaning is accomplished per AMM 12-A-05-10-20-00A-281A-A requirement and EMM 73-10-07.

*Other maintenance items addressed at this time*

1) Installed a new L/H engine heated inlet lip sealing flange and new sealing cord and new rivets per AMM 12-A-78-10-01-00A-920A-A and IPC12-A-30-20-00-02A-941A-A.

2) Adjusted the engine ground idle RPM to per AMM 12-A-71-00-00-00A-903P-A.

-- END --

MAINTENANCE RELEASE: I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and is determined to be in airworthy condition. The Engine and/or component identified above was inspected and/or repaired, per current Regulations of the Federal Aviation Administration, and is subsequently approved for return to service. Pertinent details are on file at this agency under Shop Work Order No. 3787. Airworthiness Directives have been checked through BW 2012-08 Date: May 8, 2012.

Signature of authorized Person Steven J Powell  
For FAA CERTIFIED REPAIR STATION NO. FE6R532N

**ENGINE**  
**PT6A-67B**

12/14/2012  
S/N: PS-PR0309

N552TC

HOBBS: 1430.0

C/W 100 Hour Inspection IAW 12-A-05-20-10-00A-281A-A Checklist.  
C/W 100 Hour Periodic and Minor Inspection IAW P&WC EMM 72-00-00 Table 601.  
Performed functional and leak checks as required with no defects noted.  
Airworthiness Directive compliance checked through Revision 2012-24.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 25 and Pratt & Whitney MM 303836 Rev 38.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION SELECTED BY THE OWNER/OPERATOR UNDER PROVISIONS OF FAR 91.409(f)(3) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 402361.

INSPECTOR: [Signature]  
EXECUTIVE AIRCRAFT MAINTENANCE FAA APPROVED REPAIR STATION E27R130  
7920 E. GREENWAY ROAD SCOTTSDALE, AZ 85260 480-991-0900

LICENCE NUMBER

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.

ENGINE SERVICE AND

MAINTENANCE RECORD



ENGINE  
PT6A-67B

2/23/2013  
S/N: PS-PR0309

R COMPLETE

N552TC

HOBBS: 1485.0

C/W Spark Igniter Inspection.  
C/W P3 Filter Cleaning and Inspection. Re-installed using new O-Rings P/N MS9386-014, MS9386-126 & MS9386-015 and safetied.  
C/W borescope inspection with no discrepancies noted.  
Removed qty (13) fuel nozzle adapters P/N 3119855-01 and re-installed after Repair by Dallas Airmoive under WO#RPR31359 dated 2/21/2013.  
Removed inlet fuel adapter P/N 3119856-01 and re-installed after repair by Dallas Airmoive under WO#RPR31359 dated 2/21/2013.  
Performed ground run, functional checks and leak checks as required with no defects noted.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 26 and Pratt & Whitney MM 303836 Rev 38.

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 4024095.

INSPECTOR:

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



ENGINE  
PT6A-67B

5/9/2013  
S/N: PS-PR0309

N552TC

HOBBS: 1517.6 TSN: 1517.6 CSN: 1046

C/W Annual Inspection IAW 12-A-05-20-20-00A-281A-A Checklist.  
C/W 100 Hour Periodic and Minor Inspection IAW P&WC EMM 72-00-00 Table 601.  
C/W 12 month/ 200 hour Spark Igniter Inspection.  
C/W 12 month/ 600 hour Chip Detector Continuity Inspection.  
C/W 12 month / 500 hour Torque Limiter Test IAW 12-A-71-00-00-00A-903H-A.  
C/W 12 month / 500 hour Oil Pressure Transducer, Engine Torque and Stick Pusher Torque Transducer Electrical Connector Cleaning IAW 12-A-71-00-05-00A-250A-A.  
C/W 600 hour Fuel Pump Inlet Screen Cleaning & Fuel Pump Outlet Filter Replacement. Replaced filter assembly with new P/N AN6235-3A.  
C/W 24 month/ 2,000 hour Compressor Recovery Performance Wash IAW 12-A-71-00-00A-250A-A.  
Performed functional and leak checks as required with no defects noted.  
Airworthiness Directive compliance checked through Revision 2013-09.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 26 and Pratt & Whitney MM 303836 Rev 38.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION SELECTED BY THE OWNER/OPERATOR UNDER PROVISIONS OF FAR 91.409(f)(3) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 4024799.

INSPECTOR:

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



ENGINE  
PT6A-67B

8/5/2013  
S/N: PS-PR0309

NCE  
BER

N552TC

HOBBS: 1644.2 AFTT: 1644.2 CYCLES: 1143

C/W 100 Hour Inspection IAW 12-A-05-20-10-00A-281A-A Checklist.  
C/W 100 Hour Periodic and Minor Inspection IAW P&WC EMM 72-00-00 Table 601, including SOAP sample.  
Performed functional and leak checks as required with no defects noted.  
Airworthiness Directive compliance checked through Revision 2013-15.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 26 and Pratt & Whitney MM 303836 Rev 38.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION SELECTED BY THE OWNER/OPERATOR UNDER PROVISIONS OF FAR 91.409(f)(3) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 4025634.

INSPECTOR:

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



ENGINE  
PT6A-67B

12/13/2013  
S/N: PS-PR0309

N552TC

HOBBS: 1740.4 AFTT: 1740.4

C/W 100 Hour Inspection IAW 12-A-05-20-10-00A-281A-A Checklist.  
C/W 100 Hour Periodic and Minor Inspection IAW P&WC EMM 72-00-00 Table 601, including SOAP sample.  
Performed functional and leak checks as required with no defects noted.  
Airworthiness Directive compliance checked through Revision: 2013-24.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 26 and Pratt & Whitney MM 303836 Rev 39.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION SELECTED BY THE OWNER/OPERATOR UNDER PROVISIONS OF FAR 91.409(f)(3) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 4026559.

INSPECTOR:

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

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MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.



# ENGINE SERVICE AND



ENGINE  
PT6A-67B

5/13/2014  
S/N: PS-PR0309

N552TC

HOBBS: 1870.9 TSN: 1870.9 CSN: 1328 TSHSI: 784.8 CSHSI: 588

C/W Annual Inspection IAW 12-A-05-20-20-00A-281A-A Checklist.  
C/W 100 Hour Periodic and Minor Inspection IAW P&WC EMM 72-00-00 Table 601.  
C/W 12 month / 600 hour Chip Detector Continuity Inspection.  
C/W 12 month / 500 hour Torque Limiter Test IAW 12-A-71-00-00-00A-903H-A.  
C/W 12 month / 500 hour Oil Pressure Transducer, Engine Torque and Stick Pusher Torque Transducer Electrical Connector Cleaning IAW 12-A-71-00-03-00A-250A-A.  
C/W 400 hour Inspections. Performed borescope inspection with no defects noted: Removed fuel nozzles P/N 319855-01A & 3119856-01 and re-installed after Repair by Dallas Airmotive under W/O#RPR35589 dated 5/5/2014.  
C/W 1,000 hour Inspections. Replaced disposable oil filter with new P/N 3059258-01. Replaced P3 filter with new P/N 3059788-01.  
AGB internal scavenge pump inlet screen checked with no defects noted.  
Performed functional and leak checks as required with no defects noted.  
Airworthiness Directive compliance checked through Revision 2014-09.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 26 and Pratt & Whitney MM 303836 Rev 38.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION SELECTED BY THE OWNER/OPERATOR UNDER PROVISIONS OF FAR 91.409(f)(3) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 4027399.

INSPECTOR:

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



ENGINE  
PT6A-67B

10/3/2014  
S/N: PS-PR0309

N552TC

HOBBS: 2013.4 TSN: 2013.4 CSN: 1419

C/W 100 Hour Inspection IAW 12-A-05-20-10-00A-281A-A Checklist.  
C/W 100 Hour Periodic and Minor Inspection IAW P&WC EMM 72-00-00 Table 601, including SOAP sample.  
Performed functional and leak checks as required with no defects noted.  
Airworthiness Directive compliance checked through Revision 2014-19.  
Work performed IAW Pilatus PC12 Document No. 02049 Rev. 28 and Pratt & Whitney MM 303836 Rev 41.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION SELECTED BY THE OWNER/OPERATOR UNDER PROVISIONS OF FAR 91.409(f)(3) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER THIS FAA APPROVED REPAIR STATION, WORK ORDER 4028626.

INSPECTOR:

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

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SINCE MFG.

# MAINTENANCE RECORD



**LANDMARK  
AVIATION**

14700 North Airport Drive • Scottsdale, AZ 85260 • (907) 643-2400

N552TC Date: February 18, 2015

Model # Pilatus PC-12 S/N 443

ACTT: 2115.1 LDGS: 1500

PT6A-67B S/N: PCE-PR0051 ETT 5407.7 ETC 1500

## ENGINE LOG ENTRY

C/W manufacturer 100 hr inspection checklist IAW PC-12 MM 5-20-00  
C/W Engine Minor/Periodic inspection IAW PT&W MM 72-00-00 Table 601

I certify that this **ENGINE** has been inspected in accordance with an **100 hour** inspection and was found to be in an Airworthy Condition. **W.O. P29-15-00310**

LANDMARK AVIATION

FAA CRS# LN3R663L

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.



Registration #: N552TC  
Hobbs: 2190.3

Total Aircraft Time: 2190.3  
Total Engine Time: 2190.3  
Work Order #: 2815

Total Aircraft Cycles: 1561  
Total Engine Cycles: 1561  
Date: 06/26/2015

PT6A-67B, S/N PCE-PR0309

- Performed an **Annual Inspection** using the Pilatus PC-12/45 checklist, FAR 43 Appendix D, and P&WC Periodic Inspection checklist.
- Airworthiness Directive compliance checked through Revision 2015-12.

**Engine Airworthiness Directives and Service Bulletins**

- Complied with Pratt and Whitney SB 14499. Oil-level filler cap serial number ABA0259 is not within the serial numbers affected. No further action required.

**Engine Scheduled Maintenance and Inspections**

- Complied with 1 year/500 hour engine performance test referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-9031-A. Performance test satisfactory.
- Complied with 1 year/500 hour engine torque limiter test referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-903A-A. Test satisfactory.
- Complied with 100 hour engine control linkage inspection referencing P&WC EMM 3038336 Section 72-00-00. No discrepancies noted.
- Complied with 600 hour engine fuel pump inlet screen cleaning and outlet filter replacement referencing P&WC EMM 3038336 Section 73-10-02.
- Complied with 200 hour P3 air filter cleaning and drain valve housing inspection referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.
- Complied with 1 year/100 hour igniter inspection and operational check referencing Pilatus PC-12 AMM Section DMC-12-A-74-00-00-00A-903A-A and P&WC EMM 3038336 Chapter 74-20-00.
- Complied with 100 hour engine oil filter inspection referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.
- Complied with 1 year/200 hour engine chip detector inspection and test referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.
- Complied with oil filter patch check. Submitted oil filter contents patch for analysis per P&WC EMM 3038336 Section 79-20-02. No abnormal contaminants noted.
- Removed engine fuel nozzles and flow divider. Pratt & Whitney Engine Services complied with 400 hour fuel nozzle flow check. See FAA Form 8130-3 placed in the aircraft records. Reinstalled fuel nozzles referencing P&WC EMM 303886 Section 73-11-05. Leak check satisfactory.

**Engine Maintenance Actions**

- Complied with engine compressor performance recovery and turbine wash referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-250A-A and P&WC EMM 3038336 Section 71-00-00.
- Adjusted the ground idle and flight idle referencing Pilatus PC-12 AMM Sections DMC-12-A-71-00-00-00A-903P-A and DMC-12-A-71-00-00-00A-903Q-A.
- Installed new left and right igniters, P/N CH34055 referencing Pilatus PC-12 AMM Section DMC-12-A-74-20-00-00A-920A-A.
- Removed and replaced the engine inlet device exhaust coupling seals with new P/N 530.24.12.090 referencing Pilatus PC-12 AMM Section DMC-12-A-78-10-01-00A-904B-A and DMC-12-A-78-10-01-00A-904C-A.
- Performed complete rig and adjustment of the FCU referencing the Pilatus PC-12 AMM Section DMC-12-A-76-10-00-00A-903A-A.
- Removed and replaced #2 Generator drive belt. P/N 945.73.11.211 referencing Pilatus PC-12 AMM Section DMC-12-A-24-30-03-00A-903B-A.

Ground run and leak check completed in accordance with FAR 43.15 (c) (3) and was found to be satisfactory. I certify that this **Engine** has been inspected in accordance with an **Annual 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# 2815

Adarr Hettinger, A&P 27550801A

CARRIED FORWARD

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TOTAL SINCE MFG.	



7735 S. Peoria St.  
Englewood, CO 80112  
303-790-9777

N552TC Pilatus PC-12/45 S/N: 443 W/O 6070 ACTT: 2,190.2 ACTL: 1,561  
Pratt and Whitney Model PT6A-67B S/N: PCE-PR0309 ETT: 2,190.2 ETC: 1,561

**Complied with the following Inspection Items:**

- Complied with **400 Hour Borescope Inspection** of the Hot Section and First Stage Compressor, and Visual Inspection of the Engine Inlet Case for Corrosion in accordance with the Pratt and Whitney PT6A-67B Maintenance Manual Chapter 72-00-00. C/T vane area: displays signs of stage one sulfidation; no coating loss, no erosion, no holes, and no cracks. There are two instances of coating loss in the burner can that does not extend into the base material. C/T wheel (blades): displays signs of stage one sulfidation; no tip rub, no tip curl, and no blade stretch. Note: blades starting to show signs of normal erosion. First stage compressor: no damage noted. Video of inspection provided.

I certify that the above stated maintenance and/or inspections was performed in accordance with the current regulations of the FAA and the, engine identified above was determined to be in airworthy condition and approved for return to service only for the work performed. Pertinent details of the work performed are on file at this repair station under the work order listed above.

*Michael S. Anderson*

Date: **June 22, 2015**

Michael S. Anderson, for Mayo Aviation Inc.  
FAA CRS# CIER835C

**ENGINE LOGBOOK ENTRY**

DATE: April 21, 2016  
A/C REG: N552TC S/N: 443 MODEL: PC-12/45  
TOTAL TIME: 2397.9 TOTAL CYCLES: 1722.0  
ENGINE: PT6A-67P S/N: PCE-PR0309  
ENGINE TOTAL TIME: 2397.9 ENGINE TOTAL CYCLES: 1722.0 W/O: 12

**DESCRIPTION OF WORK PERFORMED:**

- Performed an **Annual/100 Hour Inspection** using the Pilatus PC-12/45 checklist and FAR 43 Appendix D as a guide.
- Airworthiness Directive Compliance Checked Through Revision 2016-08. And Found To Be Current At This Time.

**Engine Scheduled Maintenance and Inspections Complied With**

- 1 Year/500 Hour Engine Performance Test Ref Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-903H-A. No Discrepancies Noted.
- 1 Year/500 Hour Engine Torque Limiter Test Ref Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-903G-A. Test Satisfactory.
- 1 Year/200 Hour Engine Chip Detector Inspection And Test Ref Pilatus PC-12 AMM DMC 12-A-79-30-01-00A-903A-A and P&WC EMM 3038336 Section 72-00-00. No Defects Noted.
- 1 Year/100 Hour Igniter Inspection And Operational Check Referencing Pilatus PC-12 AMM Section DMC-12-A-74-00-00-00A-903A-A. EMM 3038336 Chapter 74-20-00. No Discrepancies Noted.
- 100 Hour Engine Oil Filter Inspection Ref Pilatus PC-12 AMM DMC-12-A-79-20-01-00A-920A-A. No Discrepancies Noted.
- 100 Hour Engine Control Linkage Inspection Referencing P&WC EMM 3038336 Section 72-00-00. No Discrepancies Noted.
- 200 Hour P3 Air Filter Cleaning And Drain Valve Housing Inspection Ref P&WC EMM 3038336 Section 73-10-07. No Discrepancies Noted.
- Engine Compressor Wash In Ref P&WC PT6-67P MM Section 71-00-00

I certify that this aircraft has been inspected in accordance with an **Annual/100 Hour Inspection** and was determined to be in airworthy condition. All details of work performed are on file at this facility.

SIGNED: \_\_\_\_\_

(Bill Willingham A&P 393768866 1A)

DATE: **April 21, 2016**

TEMPUS JET CENTERS IV, 8014 E. McClain Dr. Ste.110, SCOTTSDALE AZ 85260

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.

# ENGINE SERVICE AND



Registration #: N552TC Total Aircraft Time: 2589.9 Total Aircraft Cycles: 1858  
 Hobbs: 2589.9 Total Engine Time: 2589.9 Total Engine Cycles:  
 Work Order #: A3227 Date: 11/03/2016

**PT6A-67B, S/N PCE-PR0309**  
 -Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 checklist and P&WC 100 hour checklist.  
 -Airworthiness Directive compliance checked through Revision 2016-22.

**Engine Scheduled Maintenance and Inspections**  
 -Complied with 100 hour engine control linkage inspection referencing P&WC EMM 3038336 Section 72-00-00. No discrepancies noted.  
 -Complied with 100 hour engine oil filter inspection referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.  
 -Complied with oil filter patch check. Submitted oil filter contents patch for analysis per P&WC EMM 3038336 Section 79-20-02. No abnormal contaminants noted.  
 -Comply with 1 year/200 hour engine chip detector inspection and test.  
 -Complied with 1 year/100 hour igniter inspection and operational check referencing Pilatus PC-12 AMM Section DMC-12-A-74-00-00-00A-903A-A and P&WC EMM 3038336 Chapter 74-20-00. No discrepancies noted.  
 -Complied with 200 hour P3 air filter cleaning and drain valve housing inspection referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.

**Engine Maintenance Actions**  
 -Complied with engine compressor performance recovery and turbine wash referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-250A-A and P&WC EMM 3038336 Section 71-00-00.

Ground run and leak check completed in accordance with FAR 43.15 (c) (3) and was found to be satisfactory. I certify that this Engine 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




Registration #: N552TC Total Aircraft Time: 2656.1 Total Aircraft Cycles: 1898  
 Hobbs: Total Engine Time: 2656.1 Total Engine Cycles: 1898  
 Work Order #: 3255 Date: 12/15/2016

**PT6A-67B, S/N PCE-PR0309**  
 Complied with engine compressor performance recovery and turbine wash referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-250A-A and P&WC EMM 3038336 Section 71-00-00

For Tempus Aircraft Sales & Service:  
 WO# 3265 Eric Coleman, A&P 3720960



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: 484.4 Total Propeller TSOH: 269.4

**PT6A-67B, S/N PCE-PR0309**  
 -Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 checklist and P&WC 100 hour checklist.  
 -Airworthiness Directive compliance checked through Revision 2017-01.

**Engine Scheduled Maintenance and Inspections**  
 -Complied with 100 hour engine control linkage inspection referencing P&WC EMM 3038336 Section 72-00-00. No discrepancies noted.  
 -Complied with 100 hour engine oil filter inspection referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.  
 -Complied with oil filter patch check. Submitted oil filter contents patch for analysis per P&WC EMM 3038336 Section 79-20-02. No abnormal contaminants noted.  
 -Comply with 1 year/200 hour engine chip detector inspection and test.  
 -Complied with 1 year/100 hour igniter inspection and operational check referencing Pilatus PC-12 AMM Section DMC-12-A-74-00-00-00A-903A-A and P&WC EMM 3038336 Chapter 74-20-00. No discrepancies noted.  
 -Complied with 200 hour P3 air filter cleaning and drain valve housing inspection referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.

**Engine Maintenance Actions**  
 Ground run and leak check completed in accordance with FAR 43.15 (c) (3) and was found to be satisfactory. I certify that this Engine 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


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Registration #: N552TC Total Aircraft Time: 2832.9 Total Aircraft Cycles: 1973  
 Hobbs: 2832.9 Total Engine Time: 2832.9 Total Engine Cycles: 1973  
 Work Order #: A3379 Date: 05/13/2017

**PT6A-67B, S/N PCE-PR0309**  
 -Performed an Annual Inspection using the Pilatus PC-12/45 checklist, FAR 43 Appendix D, and P&WC Periodic Inspection checklist.  
 -Airworthiness Directive compliance checked through Revision 2017-09.

**Engine Scheduled Maintenance and Inspections**  
 -Complied with 1 year/500 hour engine performance test referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-9031-A. Performance test satisfactory.  
 -Complied with 1 year/500 hour engine torque limiter test referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-903A-A. Test satisfactory.  
 -Complied with 100 hour engine control linkage inspection referencing P&WC EMM 3038336 Section 72-00-00. No discrepancies noted.  
 -Complied with 100 hour engine fuel pump inlet screen cleaning and outlet filter replacement referencing P&WC EMM 3038336 Section 73-10-02.  
 -Complied with 600 hour engine fuel pump inlet screen cleaning and outlet filter replacement referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.  
 -Complied with 200 hour P3 air filter cleaning and drain valve housing inspection referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.  
 -Complied with 1 year/100 hour igniter inspection and operational check referencing Pilatus PC-12 AMM Section DMC-12-A-74-00-00-00A-903A-A and P&WC EMM 3038336 Chapter 74-20-00. No discrepancies noted.  
 -Complied with 1000 hour engine oil filter inspection referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.  
 -Complied with 1 year/200 hour engine chip detector inspection and test referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.  
 -Complied with 1000 hour engine oil filter replacement referencing P&WC EMM 3038336 Section 79-20-02. Operational check good.  
 -Complied with 1000 hour AGB internal scavange pump inlet screen inspection referencing P&WC EMM 3038336 Section 72-60-00. No discrepancies noted.  
 -Complied with 1000 hour fuel nozzle flow check by installing serviceable repaired nozzle assemblies (ref. Standard Aero 8130-3 No. ARCS1013309, w/o S312187, dated 04/27/2017). Operational check normal.  
 -Complied with 400 hour hot section borecope inspection referencing Pratt & Whitney CMM Section 72-00-00. No discrepancies noted at this time.  
 -Complied with 400 hour hot section rotor 1st stage rotor inspection referencing Pratt & Whitney CMM section 72-00-00. No discrepancies noted at this time.

**Engine Maintenance Actions**  
 -Complied with engine compressor desalination wash and turbine wash referencing Pilatus PC-12 AMM Section DMC-12-A-71-00-00-00A-250A-A and P&WC EMM 3038336 Section 71-00-00.

Ground run and leak check completed in accordance with FAR 43.15 (c) (3) and was found to be satisfactory. The engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is 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



Registration #: N552TC Total Aircraft Time: 2923.9 Total Aircraft Cycles: 2034  
 Hobbs: 2923.9 Total Engine Time: 2923.9 Total Engine Cycles: 2034  
 Work Order #: A3463 Date: 08/04/2017

**PT6A-67B, S/N PCE-PR0309**  
 -Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 checklist and P&WC 100 hour checklist.  
 -Airworthiness Directive compliance checked through Revision 2017-15.

**Engine Scheduled Maintenance and Inspections**  
 -Complied with 100 hour engine control linkage inspection referencing P&WC EMM 3038336 Section 72-00-00. No discrepancies noted.  
 -Complied with 100 hour engine oil filter inspection referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.  
 -Complied with 1 year/100 hour igniter inspection and operational check referencing Pilatus PC-12 AMM Section DMC-12-A-74-00-00-00A-903A-A and P&WC EMM 3038336 Chapter 74-20-00. No discrepancies noted.  
 -6.6 Complied with 200 hour P3 air filter cleaning and drain valve housing inspection referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.

Ground run and leak check completed in accordance with FAR 43.15 (c) (3) and was found to be satisfactory. I certify that this Engine 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



Registration #: N552TC Total Aircraft Time: 3011.2 Total Aircraft Cycles: 2107  
 Hobbs: 3011.2 Total Engine Time: 3011.2 Total Engine Cycles: 2107  
 Work Order#: 3554 Date: 11/15/2017

**PT6A-67B, S/N PCE-PR0309**  
**Engine Airworthiness Directives and Service Bulletins**  
 -SB PT6A-72-14498 not applicable to engine assembly P/N: 3072955-01, S/N: PCE-PR0309, due to P/N: 3043705-01, S/N: GZ00055E power turbine stator housing installed in engine, not listed as being effective.  
 -SB PT6A-72-14473 R3 not applicable, due to currently installed Torque Limiter P/N: 3055748-01, S/N: CS0360 having 1644.2 TTIS on 08AUG2013.

This Engine 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

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

**TEMPUS JETS**

Registration #: N552TC      Total Aircraft Time: 3022.3      Total Aircraft Cycles: 2117  
 Hobbs: 3022.3      Total Engine Time: 3022.3      Total Engine Cycles: 2117  
 Work Order #: A3563      Date: 12/11/2017

PT6A-67B, S/N PS-PR0309

-Performed a 100 Hour Inspection using the Pilatus PC-12/45 100 checklist and P&WC 100 hour checklist.  
 -Airworthiness Directive compliance checked through Revision 2017-25.

**Engine Scheduled Maintenance and Inspections**

- Complied with 100 hour engine control linkage inspection referencing P&WC EMM 3038336 Section 72-00-00. No discrepancies noted.
- Complied with 600 hour engine fuel pump inlet screen cleaning and outlet filter replacement referencing P&WC EMM 3038336 Section 73-10-02.
- Complied with 100 hour engine oil filter inspection referencing P&WC EMM 3038336 Section 79-20-02. No discrepancies noted.
- Comply with 1 year/200 hour engine chip detector inspection and test.
- Complied with 1 year/400 hour igniter inspection and operational check referencing Pilatus PC-12 AMM Section 12-A-74-00-00-00A-903A-A and P&WC EMM 3038336 Chapter 74-20-00. No discrepancies noted.
- Complied with 200 hour P3 air filter cleaning and drain valve housing inspection referencing P&WC EMM 3038336 Section 73-10-07. No discrepancies noted.

**Engine Maintenance Actions**

- Complied with engine compressor performance recovery and turbine wash referencing Pilatus PC-12 AMM Section 12-A-71-00-00-00A-250A-A and P&WC EMM 3038336 Section 71-00-00.
- Removed and replaced LH and RH igniters P/N CH34055, referencing the P&W PT6A-67B EMM Section 74-20-00. Function check normal.

Ground run and leak check completed in accordance with FAR 43.15 (c) (3) and was found to be satisfactory. I certify that this Engine has been inspected in accordance with a 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 Gammel A&P 3787587 IA



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

**ENGINE POWER SECTION**

**INSPECTIONS**

- Complied with Minor / Routine / 100 Hr Engine Inspections IAW P&WC PT6A-67B/67P MM #3038336, Rev 47.1 dated 28-MAY-2018, Chapter 72-00-00, Table 601.
- 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

**AD's & S's**

-AD research completed thru Biweekly Issue 2018-12

Details on file at this agency under work order # 113837.

I certify that this Engine has been inspected in accordance with a 100 hour / Minor / Routine Inspections and was determined to be in an airworthy condition at this time.

Chad Barta  
 Heliponents, Inc. FAA Repair Station # XHCR780K

END



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

**ENGINE POWER SECTION**

**INSPECTIONS**

- Complied with 400 Hr Ignition Cable inspection IAW P&WC PT6A-67B/67P MM #3038336, Rev 47.1 dated 28-MAY-2018, Chapter 72-00-00, Table 601
- Complied with 600 Hr / 12 Month Magnetic Chip Detector Bridge Check IAW P&WC PT6A-67B/67P MM #3038336, Rev 47.1 dated 28-MAY-2018, Chapter 72-00-00, Table 601

Details on file at this agency under work order # 113837.

I certify that this Engine has been inspected in accordance with above Inspections and was determined to be in an airworthy condition.

Chad Barta  
 Heliponents, Inc. FAA Repair Station # XHCR780K

END

TOTAL SINCE MFG.	
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REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.		


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

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

<b>Engine Log</b>	Model	PC-12/45	Work Order No.	02M-11165
	Serial No.	443	Hour Meter	3274.4
	Registration	N552TC	Aircraft Total Time	3274.4
	Engine Model	PT6A-67B	Engine TSN	3274.4
	Engine Serial	PCE-PR0309	Engine CSN	2285

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.

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:  Kevin Reedy      Date: 1-18-19

FAA Repair Station No. EKGR571D

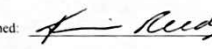
2802 Old Tower Road  
 Phoenix Arizona 85034  
 FAA Repair Station No. EKGR571D

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

<b>Engine Log</b>	Model	PC-12/45	Work Order No.	02M-11214
	Serial No.	443	Hour Meter	3299.5
	Registration	N552TC	Aircraft Total Time	3299.5
	Engine Model	PT6A-67B	Engine TSN	3272.5
	Engine Serial	PCE-PR0309	Engine CSN	2285

Removed rental engine P/N PT6A-67B S/N PCE- PR0786, and installed Overhauled engine P/N PT6A-67B, S/N PCE-PR0309 with a total time of 3272.5, and total cycles of 2285, see FAA form 8130-3 from Dallas Airmotive CRS# YRRR491L, Work Order# OHS9771, 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.

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:  Kevin Reedy      Date: 4-23-2019

FAA Repair Station No. EKGR571D


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

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

<b>Engine Log</b>	Model	PC-12/45	Work Order No.	02M-11214
	Serial No.	443	Hour Meter	3299.5
	Registration	N552TC	Aircraft Total Time	3299.5
	Engine Model	PT6A-67B	Engine TSN	3272.5
	Engine Serial	PCE-PR0309	Engine CSN	2285

Addition / Correction to log entry dated April 4, 2019. During overhauled engine installation, an overhauled ignition exciter was installed. P/N 10-381550-4 S/N 00135632. Reference Pilatus PC-12 AMM 12-A-74-10-01-00A-920A-A. See 8130-3 from Thrust Tech Accessories, Inc. Form tracking number 49892 Dated 11/MAR/2019.

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:  Kevin Reedy      Date: DEC 7, 2020

FAA Repair Station No. EKGR571D





**DallasAirmotive**  
A BBA Aviation company

2988 W. Walnut Hill Lane  
DFW Airport, TX 75261-0405  
Certificate No. YRRR491L  
Certificate of Work Accomplished

PT6A-67B	Gas Generator S/N: PCE-PR0309	T.S.N.: 3274.4	C.S.N.: 2285	T.S.O.: 00.0	C.S.O.: Zero
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Engine Overhauled. Complied with Light Overhaul Requirements for Sudden Stoppage, Tested and Preserved. All work accomplished with reference to Pratt & Whitney Overhaul Manual P/N 3038337 Revision 37 Dated May 28, 2018 and other data and methods acceptable to the administrator.  
Turbine Vane Ring Area: CT: 7.20 Mold: Unknown - Cavity: 1S5

**Airworthiness Directive Status:** Not Applicable: AD 97-04-12 Amendment 39-9936 Effective Date March 14, 1997 to installed serial number.

**Pratt & Whitney Service Bulletins Accomplished:**  
**Gas Generator:** 14408, 14450, 14451, 14479.  
**Accessory Gearbox:** None this Visit.  
**General:** 14002, 14196, 14344, 14395, 14411, 14473, 14485, 14495, 14507.

**Manufacturer Service Bulletins Accomplished:** Woodward: 83212-73-017R1, 83212-73-023.

**CORRECTED ENGINE PERFORMANCE**

S.H.P.	Ng%	T <sub>5</sub> °F	T <sub>5</sub> °C	SFC	Data Plate Ng Speed / Ng% @ S.H.P.	T <sub>5</sub> Pull Down Required	T <sub>5</sub> Trimmer	Compressor Data Plate Trim			
1300	95.8	1220	660.0	0.561	35406 RPM / 94.5% @ 1200 S.H.P.	63.9 °C Adjusted @ 16.8 Ω	P/N: 3053995 CL 06	G22N	G25N	N/A	N/A

**LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)**

Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Impeller	3036898	TX1A0513	3274.4	2285		Rotor - Stg. 1	3039001	TX1A0530	3274.4	2285	
Rotor - Stg. 4	3040944	TX1A0434	3274.4	2285		Shaft - Rotor	3043063	A000XKBE	3274.4	2285	
Rotor - Stg. 3	3040933	TX1A0442	3274.4	2285		C.T. Disk	3053740-01	A000YW64	3274.4	2285	
Rotor - Stg. 2	3040952	TX1A0490	3274.4	2285		CT Blades	3118591-01	NSN	3274.4	N/A	TSO: 0.0

**ACCESSORY INSTALLATION**

Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks
Fuel Control	8063-042-02	13093666	00.0		Electronic Dipstick	3045457-01	AB0259	00.0	
Fuel Flow Divider	26130-2	2017	00.0		Bleed Valve	3123532-01	44A824	00.0	
Fuel Heater	10585K	WA17403	00.0		T <sub>5</sub> Trimmer	3053995 CL06	NRA01052	New	
Fuel Pump	825601-5	1957	00.0	Ex - PCE95560	By-Pass Valve	3024996	NSN	00.0	
P <sub>3</sub> Air Filter	3038142	NSN	00.0		Main Oil Filter	3059258-01	NSN	New	
Torque Limiter	3244882-2	C50360	00.0		Fuel Filter	3059779-01	NSN	New	
Exciter				Not Received	Fuel Nozzles Primary	3119855-01	NSN	00.0	
Bleed Valve Seat	3041166CL15	NSN	New		Fuel Nozzles Inlet	3119856-01	NSN	00.0	

The work identified above was accomplished in accordance with current regulations of the Federal Aviation Administration title 14 Code of Federal Regulations Part 43 and in respect to that work this engine is approved for return to service. Pertinent details of this repair are on file at this repair station under sales order OH59771.

Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003

Authorized Signature:

Tracy Myers

Date: April 3, 2019

Prepared By:

Sherrill Johnson



**DallasAirmotive**  
A BBA Aviation company

2988 W. Walnut Hill Lane  
DFW Airport, TX 75261-0405  
Certificate No. YRRR491L  
Certificate of Work Accomplished

PT6A-67B		Gas Generator S/N: PCE-PR0309		T.S.N.: 3274.4		C.S.N.: 2285		T.S.O.: 00.0		C.S.O.: Zero	
Engine Overhauled, Complied with Light Overhaul Requirements for Sudden Stoppage, Tested and Preserved. All work accomplished with reference to Pratt & Whitney Overhaul Manual P/N 3038337 Revision 37 Dated May 28, 2018 and other data and methods acceptable to the administrator.											
Turbine Vane Ring Area: CT: 7.20 Mold: Unknown - Cavity: 1S5											
Airworthiness Directive Status: Not Applicable: AD 97-04-12 Amendment 39-9936 Effective Date March 14, 1997 to installed serial number.											
Pratt & Whitney Service Bulletins Accomplished: Gas Generator: 14408, 14450, 14451, 14479. Accessory Gearbox: None this Visit. General: 14002, 14196, 14344, 14395, 14411, 14473, 14485, 14495, 14507.											
Manufacturer Service Bulletins Accomplished: Woodward: 83212-73-017R1, 83212-73-023.											
<b>CORRECTED ENGINE PERFORMANCE</b>											
S.H.P.	Ng%	T <sub>5</sub> °F	T <sub>5</sub> °C	SFC	Data Plate Ng Speed / Ng% @ S.H.P.	T <sub>5</sub> Pull Down Required	T <sub>5</sub> Trimmer	Compressor Data Plate Trim			
1300	95.8	1220	660.0	0.561	35406 RPM / 94.5% @ 1200 S.H.P.	63.9 °C Adjusted @ 16.8 Ω	P/N: 3053995 CL 06	G22N	G25N	N/A	N/A
<b>LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)</b>											
Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Impeller	3036898	TX1A0513	3274.4	2285		Rotor - Stg. 1	3039001	TX1A0530	3274.4	2285	
Rotor - Stg. 4	3040944	TX1A0434	3274.4	2285		Shaft - Rotor	3043063	A000XKBE	3274.4	2285	
Rotor - Stg. 3	3040933	TX1A0442	3274.4	2285		C.T. Disk	3053740-01	A000YW64	3274.4	2285	
Rotor - Stg. 2	3040952	TX1A0490	3274.4	2285		CT Blades	3118591-01	NSN	3274.4	N/A	TSO: 0.0
<b>ACCESSORY INSTALLATION</b>											
Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks		
Fuel Control	8063-042-02	13093666	00.0		Electronic Dipstick	3045457-01	AB0259	00.0			
Fuel Flow Divider	26130-2	2017	00.0		Bleed Valve	3123532-01	44A824	00.0			
Fuel Heater	10585K	WA17403	00.0		T <sub>5</sub> Trimmer	3053995 CL06	NRA01052	New			
Fuel Pump	825601-5	1957	00.0	Ex - PCE95560	By-Pass Valve	3024996	NSN	00.0			
P <sub>3</sub> Air Filter	3038142	NSN	00.0		Main Oil Filter	3059258-01	NSN	New			
Torque Limiter	3244882-2	C50360	00.0		Fuel Filter	3059779-01	NSN	New			
Exciter				Not Received	Fuel Nozzles Primary	3119855-01	NSN	00.0			
Bleed Valve Seat	3041166CL15	NSN	New		Fuel Nozzles Inlet	3119856-01	NSN	00.0			

The work identified above was accomplished in accordance with current regulations of the Federal Aviation Administration title 14 Code of Federal Regulations Part 43 and in respect to that work this engine is approved for return to service. Pertinent details of this repair are on file at this repair station under sales order OH59771.

Authorized Signature: *Tracy Myers* Date: April 3, 2019 Prepared By: *Sherrill Johnson*  
Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003



**DallasAirmotive**  
A BBA Aviation company

2988 W. Walnut Hill Lane  
DFW Airport, TX 75261-0405  
Certificate No. YRRR491L  
Certificate of Work Accomplished

PT6A-67B		Gas Generator S/N: PCE-PR0309		T.S.N.: 3274.4		C.S.N.: 2285		T.S.O.: 00.0		C.S.O.: Zero	
Engine Overhauled, Complied with Light Overhaul Requirements for Sudden Stoppage, Tested and Preserved. All work accomplished with reference to Pratt & Whitney Overhaul Manual P/N 3038337 Revision 37 Dated May 28, 2018 and other data and methods acceptable to the administrator.											
Turbine Vane Ring Area: CT: 7.20 Mold: Unknown - Cavity: 1S5											
Airworthiness Directive Status: Not Applicable: AD 97-04-12 Amendment 39-9936 Effective Date March 14, 1997 to installed serial number.											
Pratt & Whitney Service Bulletins Accomplished: Gas Generator: 14408, 14450, 14451, 14479. Accessory Gearbox: None this Visit. General: 14002, 14196, 14344, 14395, 14411, 14473, 14485, 14495, 14507.											
Manufacturer Service Bulletins Accomplished: Woodward: 83212-73-017R1, 83212-73-023.											
<b>CORRECTED ENGINE PERFORMANCE</b>											
S.H.P.	Ng%	T <sub>5</sub> °F	T <sub>5</sub> °C	SFC	Data Plate Ng Speed / Ng% @ S.H.P.	T <sub>5</sub> Pull Down Required	T <sub>5</sub> Trimmer	Compressor Data Plate Trim			
1300	95.8	1220	660.0	0.561	35406 RPM / 94.5% @ 1200 S.H.P.	63.9 °C Adjusted @ 16.8 Ω	P/N: 3053995 CL 06	G22N	G25N	N/A	N/A
<b>LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)</b>											
Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Impeller	3036898	TX1A0513	3274.4	2285		Rotor - Stg. 1	3039001	TX1A0530	3274.4	2285	
Rotor - Stg. 4	3040944	TX1A0434	3274.4	2285		Shaft - Rotor	3043063	A000XKBE	3274.4	2285	
Rotor - Stg. 3	3040933	TX1A0442	3274.4	2285		C.T. Disk	3053740-01	A000YW64	3274.4	2285	
Rotor - Stg. 2	3040952	TX1A0490	3274.4	2285		CT Blades	3118591-01	NSN	3274.4	N/A	TSO: 0.0
<b>ACCESSORY INSTALLATION</b>											
Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks		
Fuel Control	8063-042-02	13093666	00.0		Electronic Dipstick	3045457-01	AB0259	00.0			
Fuel Flow Divider	26130-2	2017	00.0		Bleed Valve	3123532-01	44A824	00.0			
Fuel Heater	10585K	WA17403	00.0		T <sub>5</sub> Trimmer	3053995 CL06	NRA01052	New			
Fuel Pump	825601-5	1957	00.0	Ex - PCE95560	By-Pass Valve	3024996	NSN	00.0			
P <sub>3</sub> Air Filter	3038142	NSN	00.0		Main Oil Filter	3059258-01	NSN	New			
Torque Limiter	3244882-2	C50360	00.0		Fuel Filter	3059779-01	NSN	New			
Exciter				Not Received	Fuel Nozzles Primary	3119855-01	NSN	00.0			
Bleed Valve Seat	3041166CL15	NSN	New		Fuel Nozzles Inlet	3119856-01	NSN	00.0			

The work identified above was accomplished in accordance with current regulations of the Federal Aviation Administration title 14 Code of Federal Regulations Part 43 and in respect to that work this engine is approved for return to service. Pertinent details of this repair are on file at this repair station under sales order OH59771.

Authorized Signature: *Tracy Myers* Date: April 3, 2019 Prepared By: *Sherrill Johnson*  
Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003

ENGINE SERVICE AND

MAINTENANCE RECORD

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
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F.A.A. CRS YRRR491L  
2988 W. Walnut Hill Lane  
DFW Airport TX 75261

<b>CUTER</b> LEADING THE BUSINESS OF AVIATION™		Cutter Aviation Phoenix 2802 E Old Tower Road Phoenix, Arizona 85034 FAA Repair Station No. EKGR571D		Phone 602-273-1237 Fax 602-267-7806
Registration	N552TC	<b>Airframe</b> <b>Log Book Entry</b>	Work Order	02M-12402
Model	PC-1245		Tach	N/A
Serial No	443		Hour meter	N/A
Aircraft TT	3,668.50		Landings	2527
1.7 Readjusted RH weight on wheel switch. Performed operational test. Operational test good. Work performed in reference to Pilatus PC-12 AMM 12-A-32-60-12-00A-920A-A.				
1.8 Adjusted prop low pitch switch. Operational tests good. Work performed in reference to Pilatus PC-12 AMM 12-A-71-00-00-00A-9030-A.				
1.9 Performed adjustment of #4 seat locking mechanism. Operational test good. Work performed in reference to Pilatus PC-12 AMM 12-A-25-21-01-00A-903A-A.				
1.10 Performed servicable check in reference to Pilatus PC-12 AMM 12-A-12-10-00-00A-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	<i>[Signature]</i>	Patrick Gore	Date	2/5/2021

Customer: Cutter Aviation Engine Model: PT6A-67B Date: 13-Aug-2019

S/N: PCE-PR0309 TSN: 3343.5 CSN: 2338 TSO: N/A CSO: N/A

Aircraft: PC-1245 S/N: 443 Reg: N552TC TAT: 3368.5 TACs: 2360 Eng. Position: L

**Work Performed:** Troubleshot engine for poor performance. Found a gasket broken in to three (3) pieces. Blanked engine bleed ports off and performance improved. Installed new gaskets and performance improved. All work performed in reference to Pilatus PC-12/47E: 12-A-71-00-00-00A-9031-A Rev.003-00 Date 30-Jun-2017, and P&WC MM #3038336 rev. 49.0 08-Apr-2019.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certified Repair Station.

Work Order: FLD07002

Signature *[Signature]* <sup>DAI</sup> **578**  
For Dallas Airmotive  
Repair Station YRRR491L



F.A.A. CRS YRRR491L  
2988 W. Walnut Hill Lane  
DFW Airport TX 75261

<b>CUTER</b> LEADING THE BUSINESS OF AVIATION		2802 Old Tower Road Phoenix Arizona 85034 FAA Repair Station No. EKGR571D		602-267-4070 Phone 602-267-4030 FAX
Model	PC-12/45	<b>Engine Log</b>	Work Order No.	02M-12595
Serial No.	443		Hour Meter	3764.8
Registration	N552TC		Aircraft Total Time	3764.8
Engine Model	PT6A-67B		Engine TSN	3736.8
Engine Serial	PCE-PR0309		Engine CSN	2551
<b>Scheduled Maintenance or Inspections</b>				
<ul style="list-style-type: none"> <li>057010 - C/W PWC Table 601 and TR 72-54 Periodic Inspection referencing PWC Manual 3038336 72-00-00.</li> <li>710052 - Complied with Engine Compressor Wash referencing Pilatus PC-12 AMM 12-A-71-00-00-00A-250A-A.</li> <li>731040 - C/W 600 Hour check Fuel Pump Fuel Inlet Screen referencing PWC MM 3038336 73-10-02.</li> <li>731055 - C/W 600 Hour Fuel Pump Outlet Filter Replacement. New filter P/N 572744 referencing PWC MM 3038336 73-10-02.</li> <li>731100 - C/W 300 Hour Engine Fuel Filter Cleaning and Inspection referencing PWC MM 3038336 73-10-07.</li> <li>731065 - C/W 300 Hour Engine Fuel Filter Bowl Inspection referencing PWC MM 3038336 73-10-02.</li> <li>731065 - C/W 300 Hour Engine Fuel Filter Cleaning and Inspection referencing PWC MM 3038336 73-10-07.</li> <li>733070 - C/W 300 Hour P3 Air Filter Cleaning and Inspection referencing PWC MM 3038336 73-10-02.</li> <li>740015 - C/W 400 Hour check ignition exciter for installation and condition referencing PWC MM 3038336 74-10-00.</li> <li>761011 - C/W 300 Hour Engine Control Linkages Inspection referencing PWC MM 3038336 72-00-00.</li> <li>790031 - C/W 300 Hour 12 Month Engine Chip Detector Inspection/Test referencing Pilatus PC-12 AMM 12-A-79-30-01-00A-903A-A.</li> <li>790040 - C/W 12 Month 1600 Hour Bridge Magnetic Chip Detectors referencing PWC MM 3038336 72-00-00.</li> <li>790060 - C/W 300 Hour Inspect and Clean Oil Filter Element and Secondary Screen referencing PWC MM 3038336 79-20-02.</li> <li>790080 - Complied with 100 Hour Engine Oil Sample Check.</li> </ul>				
<b>Airworthiness Directives or Service Bulletins</b>				
<ul style="list-style-type: none"> <li>AD's researched through Biweekly 2021-12.</li> </ul>				
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:	<i>[Signature]</i>	Kevin Reedy	Date:	JUN 18, 2021
FAA Repair Station No. EKGR571D				

Customer: Cutter Aviation Engine Model: PT6A-67B Date: 13-Aug-2019

S/N: PCE-PR0309 TSN: 3343.5 CSN: 2338 TSO: N/A CSO: N/A

Aircraft: PC-1245 S/N: 443 Reg: N552TC TAT: 3368.5 TACs: 2360 Eng. Position: L

**Work Performed:** Troubleshot engine for poor performance. Found a gasket broken in to three (3) pieces. Blanked engine bleed ports off and performance improved. Installed new gaskets and performance improved. All work performed in reference to Pilatus PC-12/47E: 12-A-71-00-00-00A-9031-A Rev.003-00 Date 30-Jun-2017, and P&WC MM #3038336 rev. 49.0 08-Apr-2019.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certified Repair Station.

Work Order: FLD07002

Signature *[Signature]* <sup>DAI</sup> **578**  
For Dallas Airmotive  
Repair Station YRRR491L

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.





F.A.A CRS YRR4491L  
21625 N. Central Avenue  
Building 2, Suite 104  
Phoenix, Arizona 85024

Customer: Cutter Aviation

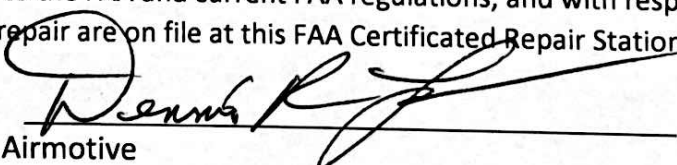
Aircraft Mfg. Type: PC12 Engine Type: PT6A-67B Reg #: UNK S/N: UNK  
Aircraft TT: 3668.5 Total Landings: 2527  
Engine S/N: PCE-PR0309 TT: 3642.5 TC: 2506 TSO: UNK CSO: UNK

**Work Performed:**

Complied with engine hot section borescope inspection requirements in conjunction with fuel nozzle maintenance. All work accomplished with reference to Pratt & Whitney manual P/N 3038336 Rev. # 52.0 dated 12-Oct-2020 and other data and methods acceptable to the administrator. -----END-----

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to the instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certificated Repair Station.

Date: 4-Feb-2021

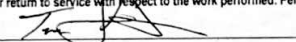
Signature:   
For Dallas Airmotive  
Repair Station YRR4491L

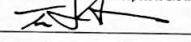
Work Order: RPR56530


NOTE: Given the nature of borescope instrumentation it is often not possible to make observations and examine all areas of an individual engine as part of an evaluation. Based on this limitation, Dallas Airmotive, Inc. cannot and does not warrant its findings for borescope evaluations (pre-purchase and otherwise) against the possibility that hidden damage may exist that was not observable and reported by our technician at the time of the evaluation.



DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
	HRS.	MIN.	HRS.	MIN.				
BROUGHT FORWARD →								

<b>CUTER</b> Leading the Business of Aviation		2802 Old Tower Road Phoenix Arizona 85034 FAA Repair Station No. EKR571D		602-267-4070 Phone 602-267-4030 FAX	
Model	PC-12/45	Work Order No.	02M-13169	<b>Engine Log</b>	
Serial No.	443	Hour Meter	4063.50		
Registration	N552TC	Aircraft Total Time	N/A		
Engine Model	PT6A-67B	Engine TSN	N/A		
Engine Serial	PCE-PR0309	Engine CSN	N/A		
<b>Scheduled Maintenance or Inspections</b>					
<ul style="list-style-type: none"> <li>Completed with 790031-12-Month. Check of Magnetic Chip Detector. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 790048-12-Month. Bridge Check of Magnetic Chip Detector. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 570710-Periodic Inspection. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 71-001015-600-Hour/12-Month. Powerplant Torque Limiter Test. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 71-001028-600-Hour/12-Month. Powerplant Performance Test. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 71-001078-600-Hour/12-Month. Engine torque &amp; stick pusher torque transducers electrical connectors cleaning. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 731100-300-Hour. P3 Air Filter Cleaning &amp; Inspection. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 790080-100-Hour. Engine oil sample. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 731065-300-Hour. Examination of engine fuel filter bowl. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 733078-300-Hour. Cleaning &amp; inspection of engine P3 filter drain valve housing assembly. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 761011-300-Hour. Inspection of engine control linkages. Ref. PWC EMM 3038336 Table 601.</li> <li>CW 710052-Engine compressor wash without soap as request from the customer. Ref. Pilatus PC-12 AMM 12-A-71-00-00-00A-250A-A.</li> <li>CW 790060-300-Hour. Inspection &amp; cleaning of oil filter element &amp; secondary screen. Ref. PWC EMM 3038336 Table 601.</li> </ul>					
<b>Discrepancies</b>					
<ul style="list-style-type: none"> <li>Adjusted ground idle to within limits. Ref. Pilatus PC-12 AMM 12-A-71-00-00-00A-903P-A.</li> <li>Adjusted flight idle to within limits. Ref. Pilatus PC-12 AMM 12-A-71-00-00-00A-903Q-A.</li> <li>Adjusted beta control cable. Performed ground run. Ref. Pilatus PC-12 AMM 12-A-76-10-00-00A-903A-A &amp; 12-A-71-00-00-00A-903N-A.</li> </ul>					
<b>Airworthiness Directives or Service Bulletins</b>					
<ul style="list-style-type: none"> <li>Airworthiness Directives Reviewed Biweekly through 2022-12.</li> </ul>					
<p>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.</p> <p>Signed:  Timothy M Johnston Date: 06-06-2022</p> <p style="text-align: right;">FAA Repair Station No. EKR571D</p>					

<b>CUTER</b> Leading the Business of Aviation		2802 Old Tower Road Phoenix Arizona 85034 FAA Repair Station No. EKR571D		602-267-4070 Phone 602-267-4030 FAX	
Model	PC-12/45	<b>Engine Log</b>	Work Order No.	02M-13829	
Serial No.	443		Hour Meter	4320.5	
Registration	N552TC		Aircraft Total Time		
Engine Model	PT6A-67B		Engine TSN		
Engine Serial	PCE-PR0309		Engine CSN		
<b>Scheduled Maintenance or Due Items</b>					
<ul style="list-style-type: none"> <li>Completed with 057010-No. 1 Engine - Minor Inspection. Reference Pratt &amp; Whitney PT6A-67P LMM Table 501 Manual 3038336.</li> <li>CW 731040-No. 1 Engine - Check Fuel Pump Fuel Inlet Screen for Foreign Matter or Distortion. Clean &amp; Reinstall, or Install New Screen. Ref.</li> <li>CW 731055-No. 1 Engine - Replace No. 1 Fuel Pump Outlet Filter. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 731065-No. 1 Engine - Examine Filter Bowl. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 731100-No. 1 Engine - Clean P3 Filter. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 733070-No. 1 Engine - Replace P3 Filter. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 733070-No. 1 Engine - Clean &amp; Inspect P3 Filter Drain Valve Housing Assembly. Ref. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 761011-No. 1 Engine - Inspect Engine Control Linkages. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 790031-No. 1 Engine - Check Magnetic Chip Detector. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 790050-No. 1 Engine - Replace Oil Filter Element. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 790060-No. 1 Engine - Inspect Clean Oil Filter Element &amp; Secondary Screen. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> <li>CW 790070-No. 1 Engine - Check Scavenge Oil Pump Inlet Screen. Ref. P&amp;W LMM 3038336 72-00-00, Table 601.</li> </ul>					
<b>Airworthiness Directives or Service Bulletins</b>					
<ul style="list-style-type: none"> <li>Airworthiness Directives Reviewed Biweekly through 2023-05</li> </ul> <p>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.</p> <p>Signed:  Timothy M Johnston Date: March 8, 2023</p> <p style="text-align: right;">FAA Repair Station No. EKR571D</p>					

<b>CUTER</b> Leading the Business of Aviation		2802 Old Tower Road Phoenix Arizona 85034 FAA Repair Station No. EKR571D		602-267-4070 Phone 602-267-4030 FAX	
Model	PC-12/45	Work Order No.	02M-13374	<b>Engine Log</b>	
Serial No.	443	Hour Meter	4195.3		
Registration	N552TC	Aircraft Total Time	N/A		
Engine Model	PT6A-67B	Engine TSN	N/A		
Engine Serial	PCE-PR0309	Engine CSN	N/A		
<b>Scheduled Maintenance or Due Items</b>					
<ul style="list-style-type: none"> <li>Completed With 710631-No. 1 Engine. Borescope hot section. Ref. Pratt &amp; Whitney Canada EMM 3038336 72-00-00 Inspection.</li> <li>CW 731015-No. 1 Engine. Leak/Functional test fuel manifold adapter &amp; nozzle assemblies. Removed Fuel Manifold 3119855-01 &amp; Nozzles Assemblies 3119855-01, sent out for repair. Re-installed Repaired Fuel Manifold &amp; Nozzle Assemblies from Dallas Airmotive W/O RFR60561. Ref. Pratt &amp; Whitney PT6A-67B/67P EMM 72-11-05 &amp; 73-11-05.</li> <li>Task 731095-FCU Belows was previously complied with at overhaul on FCU/PIN 8063-042-02 SIN 13093666 by Dallas Airmotive C# YRRR491L on sales order OH59771 Date: April 3, 2019.</li> </ul>					
<p>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.</p> <p>Signed:  Timothy M Johnston Date: October 05 2022</p> <p style="text-align: right;">FAA Repair Station No. EKR571D</p>					

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

CARRIED FORWARD

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.



N552TC PILATUS PC-12/45 S/N 443 ACTT 4601.3 LNDS 3132  
 PT6A-67B S/N PCE-PR0309 TSN 4576.2 (TSN BASED ON OVERHAUL CERT. TSN) CSN 3109

Performed a 300 FH, 300 FH/12 Mo., 600 FH/12 Mo., 1200 FH/12 Mo., 2400 FH/24 Mo. Airframe and Engine 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                    | 400hr. Hot section boroscope (In conj. with fuel nozzle inspection)                                                                          |
| 300hr. Engine Oil Sample (A.O.A. LABS)                    | 400hr. Fuel Manifold and Nozzle Assembly Inspection performed by Heritage Turbines Inc. Ref. WO# PO24-0401 dated 21/MAY/2024. Cert# H1IR069Y |
| 300hr. Oil Filter Inspection                              | 600hr. Eng. Fuel Pump Outlet Filter Replacement                                                                                              |
| 300hr. P3 Air Filter, Bowl and Drain Valve Cleaning/Insp. | 600hr. Eng. Fuel Pump Inlet Filter Cleaning                                                                                                  |
| 300hr./1yr. Chip Detectors Inspection                     | 600hr./12mo. Chip Detectors Inspection                                                                                                       |
| 400hr. Spark Igniters, Cables and Exciter Insp./Check     |                                                                                                                                              |

**Complied with the following SBs & ADs:**

- 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.
- 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.

- Adjusted engine torque and flight idle settings IAW PC-12 AMM.
- Ground run and leak checks are satisfactory.
- ADs checked for compliance through BW 2024-11.

I certify that this engine 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

CARRIED FORWARD

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AL MFG.		