

Volume #: 1

Opened on: 04 MAR 2017

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 21 PT6A- 67P B/S: 1226

3. Serial Number PS- RY0776

TEMPUS JETS

Registration #: N840AG
Hobbs: 4853.7

Total Aircraft Time: 14853.7
Total Engine Time: 299.4
Work Order #: C3634

Total Aircraft Cycles: 9112
Total Engine Cycles: 232
Date: 02/22/2018

PT6A-67P, S/N PS-RY0776

-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 2018-04.

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/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.
-Complied with a 100-hour engine inspection referencing P&WC EMM Section 72-00-00.

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.
- Removed Corrosion, Treated and Applied Epoxy Primer to Area of Corrosion on Forward Right Lower Section of the Engine Mount, Referencing Pilatus PC-12 AMM Section 12-A-20-40-00-00A-904A-A.

All the above work complied with in accordance with owner operators 135 GMM.

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 Jets:
WO# C3634


Ronald C. Gish CRS#3TPR073R

BOE AVIATION

1260 W Navajo ST Hanger 6, Farmington NM 87401

Airframe



03/03/2018 N840AG PC12/45 S/N 296 Hobbs hrs 4864.9

Pilot reported fuel leaking out of cowling on shutdown. Found fuel filter bowl seal out of place. Removed fuel bowl, replaced filter p/n AN6235-3A and fuel bowl seal p/n M25988-1-928. Ground ran for leak and operational check. No leaks noted. This aircraft is approved for return to service in respect to the above work performed.

Christopher J Gibson 3563126 A&P IA 

W/O#: OK3-18-5310
Make: P&WC
Model: PT6A-67P
S/N: PCE-RY0776
Reg #: N840AG



1980 Airport Rd. Hangar A Heber City, UT 84032

Hobbs: 4952.2
ACTT: 14952.2
Engine TSN: 397.9
Engine CSN: 303
Engine TSO: N/A
Engine CSO: N/A

I certify that this Engine has been inspected in accordance with a 100-Hour Inspection using PC-12 AMM 12-A-05-20-10-00A-281A-A and P&WC EMM 72-00-00, Table 601 (Applicable Periodic, Minor, Routine, and 100 Hour Inspections) and was determined to be in airworthy condition.

Engine Oil Sample taken IAW EMM 79-20-02 and sent out for analysis.

Complied with the following Chapter 4/5 Special Inspection Items:

Engine Spark Igniters Cleaning / Inspection & Check IAW AMM 12-A-74-20-00-00A-920A-A and EMM 74-20-00.

Engine Hot Section Borescope Inspection IAW P&WC EMM 72-00-00. Results were satisfactory.

Fuel Manifold Adapter / Nozzle Assemblies Inspection by removing the Adapter / Nozzle Assemblies and installing a Repaired Exchange Set of Adapter / Nozzle Assemblies (See FAA Form 8130-3 for Prime Turbines W/O#: M4R1080) using a new O-ring / Gasket Kit. Removal / installation performed IAW P&WC EMM 73-11-05.

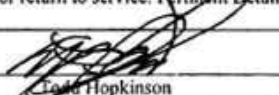
Addressed the following Discrepancies:

LH Engine Ignition Spark Igniter replaced with new P/N: CH34055 IAW EMM. Operational check satisfactory.

The Aircraft, Airframe, Aircraft Engine, Propeller, or Appliance identified above was repaired and inspected by OK3Air CRS W77R917Y in accordance with current Federal Aviation Regulations and was Approved for return to service. Pertinent Details are on file under this work order.

Date: 5/1/18

Authorized Inspector:


Todd Hopkinson

Model	Pilatus PC-12/45
Serial No.	296
Registration	N840AG
Engine Model	PT6A-67P
Engine Serial	PCE-RY0776

Engine Log

Work Order No.	14MN-173
Hour Meter	
Aircraft Total Time	
Engine TSN	
Engine CSN	

IE
AMO
AMO

I certify that this engine has been inspected in accordance with Pilatus - 300 FH, 300 FH/12 Months, 600 FH/12 Months, and 1200FH/12 Months Annual Inspection and 12 Month Pratt and Whitney Engine periodic inspection Table 601 in accordance with Pilatus PC-12/45 AMM 12-A-05-20-20-00A-018A-A inspection guide and P&WC EMM 3038336 Chapter 72-00-00, Table 601 (71-00/432Applicable Period, Minor, Routine, and 100 Hour Inspection) and was determined to be in an airworthy condition.

Performed the following Scheduled Inspection and Maintenance:

731015 - 400FH Fuel nozzle inspection and check. Removed Fuel flow divider P/N: 26130-2 and 13 fuel nozzle adapters P/N: 30391288-5362. ETT: 676.0 ETC: 512. Installed Fuel flow divider P/N: 3119856-01 and 13 fuel nozzle adapters P/N: 3119855-01 after flow and leak check performed by Dallas Airmotive, see 8130-3 dated 12 July, 2019. CRS# YRR4491L placed in aircraft records. Referencing Pratt & Whitney PT6A-67P, 3038336 chapter 73-11-05.

710031 - 400FH Borescope Inspection completed by Dallas Airmotive CRS# YRRR491L see log entry dated 12/JUL/2019 placed in aircraft records.

12 month Engine compressor and CT wheel wash and rinse referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-250A-A and Pratt and Whitney EMM 3038336 section 71-00-00.

76-10/117 - Performed 3000FH/12 Month Propeller feathering microswitch functional test referencing Pilatus PC-12 AMM 12-A-76-10-02-00A-903A-A.

The engine 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 under Work Order 14MN-173.

Signed: 

Date: 13 AUG 2019

Model	Pilatus PC-12/45
Serial No.	296
Registration	N840AG
Engine Model	PT6A-67P
Engine Serial	PCE-RY0776

Engine Log

Work Order No.	14MN-355
Hour Meter	5374.4
Aircraft Total Time	15374.4
Engine TSN	800.40
Engine CSN	621

I certify that this engine has been inspected in accordance with Pilatus - 300 FH, 300 FH/12 Months, 600 FH/12 Months, and 1200FH/12 Months Annual Inspection and 057010 - Engine minor inspection per Pratt and Whitney Engine periodic inspection Table 601 in accordance with Pilatus PC-12/45 AMM 12-A-05-20-20-00A-018A-A inspection guide and P&WC EMM 3038336 Chapter 72-00-00, Table 601 (71-00/432Applicable Period, Minor, Routine, and 100 Hour Inspection) and was determined to be in an airworthy condition.

Performed the following Scheduled Inspection and Maintenance:

3.A.(7) - Complied with the accessory gearbox 300 Hour/12 Mo. Magnetic chip detector installed - Examined for continuity by the output terminals IAW the P&W PT6A-67P MM Ch. 79-20-02.

731055 - Installed a new outlet fuel filter P/N AN6325-3A, referencing Pratt & Whitney PT6A-67P MM Ch. 73-10-02.

731100 - Complied with P3 filter cleaning by installing a new P3 filter P/N 3059788-01, referencing Pratt & Whitney PT6A-67P MM Ch. 73-10-07.

733020 - Installed a new P3 filter P/N 3059788-01 Referencing Pratt & Whitney PT6A-67P MM Ch. 73-10-07.

733070 - Complied with the 300 FH/ 12 Month cleaning and inspection of the P3 filter drain valve housing assembly, referencing P&W PT6A-67P MM Ch. 73-10-07.

761011 - Inspected the engine control linkages, referencing P&W PT6A-67P MM Ch. 72-00-00.

790040 - Complied with the 300 hour/12month & 600 hour/12 month RGB Bridge check magnetic chip detector referencing Pilatus P&W PT6A-67P MM Ch. 79-20-02.

790050 - Complied with the oil filter replacement, removed and installed a new oil filter P/N 3059258-01, referencing Pratt & Whitney PT6A-67P MM Ch. 79-20-02.

790060 - Complied with the oil filter inspection by removing and installing a new oil filter P/N 3059258-01, referencing Pratt & Whitney PT6A-67P MM Ch. 79-20-02.

790070 - Complied with the 1000 hour check of the scavenge oil pump inlet screen, referencing the P&W PT6A-67P MM Ch. 72-60-00.

790080 - Performed an oil sample, referencing P&W PT6A-67P MM Ch. 79-20-02.

790081 - Performed the oil analysis technology sampling, referencing P&W PT6A-67P MM Ch. 72-00-00.

12 month Engine compressor and CT wheel wash and rinse referencing Pilatus PC-12 AMM section 12-A-71-00-00-00A-250A-A and Pratt and Whitney EMM 3038336 section 71-00-00.

76-10/117 - Performed 3000FH/12 Month Propeller feathering microswitch functional test referencing Pilatus AMM 12-A-76-10-02-00A-903A-A.

The engine 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 under Work Order 14MN-355.

Signed: 

Godfrey Higgs III AP/IA 3391984

Date: 24 AUG 2020

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
12180 E. Control Tower Road Englewood, CO 80112				
303-799-9999 Phone 303-799-4539 FAX				
Model	PILATUS PC-12/45	Engine Maintenance Record		Work Order No. 14M-829
Serial No.	296			Hour Meter 5662.7
Registration	N840AG			Aircraft Total Time 15662.7
Engine Model	PT6A-67B			Engine TSN 1108.4
Engine Serial	PCE-PR07786			Engine CSN 798
Removed engine Model: PT6A-67B, S/N: PCE-PR07786 from aircraft N840AG, ACTT: 15662.7 AFL: 9674, ENGT: 1108.4, cycles: 1108.4, SMOH: 798, CSOH: 798. Referencing Pilatus AMM 12-A-61-10-01-00A-920A-A.				
The work performed on the aircraft engine identified above has been performed satisfactorily 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 under Work Order 14M-1015.				
Signed:		Gina Iacolino		Date: 02 MAY 23
For Cutter Aviation FAA CRS# CUTR877D				



PT6A-67P	Engine S/N: PCE-RY0776	T.S.N.: 1108.4	C.S.N. 798	T.S.O.: N/A	C.S.O.: N/A					
PERFORMED LIGHT OVERHAUL PER IMPROPERLY PRESERVED ENGINE PROCEDURES. ENGINE TESTED. PRESERVED FUEL SYSTEM AND PREPARED FOR SHIPPING. ALL WORK PERFORMED IN ACCORDANCE WITH THE PRATT & WHITNEY PT6A-67P OVERHAUL MANUAL P/N: 3038337 REVISION NO. 42.0 DATED AUGUST 1, 2022. THE PRATT AND WHITNEY PT6A-67P MAINTENANCE MANUAL P/N: 3038336 REVISION NO. 57.0 DATED APRIL 10, 2023 AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. SEE ATTACHED PARTS LIST FOR PARTS REPAIRED OR REPLACED. CT VANE: 7.27 PT VANE: 23.23 BV SEAT - TESTED: CL12; SHIPPED: CL16										
CORRECTED ENGINE PERFORMANCE										
SHP	Ng %	Ts °F	Ts °C	SFC	POWER CHECK T _s TARGET	DATA PLATE SPEED @ SHP	T _s PULL DOWN REQUIRED	T _s TRIMMER		
1300	96.6	1330	721	.561	N/A	35823/95.5%	21.1°C	P/N 3053995CL16	ADJUSTED @ 61 Ω	
LIFE LIMITED COMPONENTS INSTALLATION (NOTE: REFER TO S/B, LATEST REVISION, FOR APPROVED LIFE LIMITS)										
Name	Part Number	Serial Number	Total Cycles	Cycles Rem	Name	Part Number	Serial Number	Total Cycles	Cycles Rem	
Shaft Comp Rot	N/DIS				Disk Stg 1 PT	3037312	A00411PB	798	14202	
Rotor Stg 1 Comp	N/DIS				Disk Stg 2 PT	3037313	YUAB001G097	798	14202	
Rotor Stg 2 Comp	N/DIS				Blade Stg 1 PT	N/DIS				
Rotor Stg 3 Comp	N/DIS				Blade Stg 2 PT	N/DIS				
Rotor Stg 4 Comp	N/DIS				Blade CT	N/DIS				
Impeller	N/DIS									
Disk CT	3053740-01	YUAB001H234	798	7202					CYCLES CALC. PER SB14002R27	

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair are on file at this repair station under work order: **RPR61928**

Signature:

**DAL
911**

Date: 6/27/2023

