



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

GAS GENERATOR MODULE LOG BOOK

TC1001185



05/2005

N129NX
Canada

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
29 JAN 2009	0.0	0.0	0	<p>New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.</p>
17 APR 2009	0.0	0.0	0	<p>NEW ENGINE PT6A-67P S/N PCE-RY0131 INSTALLED IN PILATUS PC-12/47E AIRCRAFT WITH MSN 1129</p>

Signature

AME
ACA/AMO
SCA/AMO

This Gas Generator module is combined
with Power Section S/N: PS- RY0131

NG/√0 35850 Rpm, at 1200 Shp/δ√0

ITT Trim: 0.0 C°

T5 Trim resistance: ∞ Ohms

CLAUDE AUGER



GROUND RUN COMPLETED
SATISFACTORILY.

QUALITY INSPECTION
PILATUS AIRCRAFT LTD
CH-6370 STANS (SWITZERLAND)

ENGINE OIL USED: BP Turbo Oil 2380

MM



201 Kelner Place
Thunder Bay, Ontario
P7E 6V3
(807) 475-5353

TRANSPORT CANADA AMO #51-98

TYPE:	PC12-47E	SERIAL NO.:	1129	REGN:	HB-FRC
ACFT TTSN:	19.4	LANDINGS:	8		
ENGINE SN:	U/K	TTSN:	U/K	TCSN:	U/K
		TTSO:	U/K	TCSO:	U/K
PROP SN:	U/K	TTSN:	U/K	TTSO:	U/K

VKPC T/C# 091105-0001, Pilot Snagged Engine Chip Light on take off - Investigated and found magnetic chip on fwd. magnetic chip detector on reduction gear box - chip removed and saved for further examination (allowable debris) , chip detector re-installed. Oil filter removed + patch check performed + oil sample taken - found some small particles, oil filter cleaned + reinstalled. Rear chip detector removed from accessory case for examination - found to be clean. Re-installed rear chip detector. Engine run at 80% take off power for 10min. Both chip detector's removed + oil filter once again for examination - found to be clean + re-installed. Engine run once again at 80% for 10min. and Oil filter + both chip detectors removed for examination - found to be clean + re-installed all with new o-rings and saftied required. Engine run once more for leak check - no leaks found. all work done IAW PT6A-67P Maint. Man. All samples taken are to be sent away for investigation.

"The maintenance described above has been performed in accordance with the applicable standards of airworthiness"

Jure Brkljacic
Jure Brkljacic ACA 006

01-May-09



Production Organization / CH.21G.0002
Magnetic Chip Detector Maintenance

Certifies that the work specified was carried out in accordance with Requirement 21A.163(d) and in respect to that work the aircraft is considered ready for release to service and therefore is in a condition for safe operation.

Date: 01 May 2009 WO No. VKPC T/C # 091105-0001

Signature: Perry Schulz *Perry Schulz*

Signature

AME
ACA/AMO
SCA/AMO

May 6, 2009 Engine Log Entry
Engine S/N PCE-RY0131
Pilatus Aircraft PC-12/47E S/N 1129
HB-FRC (N129NX pending)

Page 1 of 1
Total Time 23.5
Cycles: 9



Pilatus Business Aircraft, Ltd., 11755 Airport Way, Broomfield, CO 80021

Performed the following maintenance:

-AD's checked thru B/W 2009-09. No FAA AD's for this model at this time.

END

Leif Johnsen

Pilatus Business Aircraft, Ltd.; POA Ref: EASA CH.21G.0002

May 22, 2009 Engine Log Entry
Engine S/N PCE-RY0131
Pilatus Aircraft PC-12/47E S/N 1129
N129NX

Page 1 of 1
Total Time: 23.5
Cycles: 9



Pilatus Business Aircraft, Ltd., 11755 Airport Way, Broomfield, CO 80021

The following maintenance was performed:

Complied with P&WC SB 14431 - Fuel Control Unit Inspection. Performed inspection of FCU, Woodward P/N 8063-044 (PW&C P/N 3119892-07) S/N 16408403 in accordance with Woodward Governor SB 83212-73-018. Inspection performed by Woodward Governor technician with wall thickness found to be within specifications. Reference FAA Form 8130-3 dated May 11, 2009.

END

Maintenance Release: The maintenance identified above was inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details are on file under Work Order No. 1129-7-2.

Signature of Authorized Person

Dudley Clark

For FAA Certified Repair Station No. ZP8R849Y

July 31, 2009 Engine Log Entry
Engine S/N PCE-RY0131
Pilatus Aircraft PC-12/47E S/N 1129
N129NX

Page 1 of 1
Total Time: 27.7
Cycles: 15



Pilatus Business Aircraft, Ltd., 11755 Airport Way, Broomfield, CO 80021

The following maintenance was performed:

Follow-up inspection of oil filter, screens and chip detectors. Performed inspection as follow-up of chip light on indication 01-May-09. Metal found in the first sample taken 01-May-09 was AMS5613 and per the troubleshooting chart in the P&WC MM figure 105 a resample was due in 10 additional hours engine time. Filter patch and oil sample taken and sent to lab 24-Jul-09. Chip detector had no contamination. This sample came back normal. Next sample due in 50 additional hours engine time (77.7 hours).

END

Maintenance Release: The maintenance identified above was inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details are on file under Work Order No. 1129-7-4.

Signature of Authorized Person

Dudley Clark

For FAA Certified Repair Station No. ZP8R849Y

W/O#: 36U-13P-4346
Make: P&WC
Model: PT6A-67P
S/N: PCE-RY0131
Reg #: N129NX



1980 Airport Rd. Hangar A Heber City, UT 84032

Tach: N/A
Total Time: 692.4
Hobbs: 692.4
Cycles: 380
SMOH: N/A

AME
CA/AMO
CA/AMO

I certify that this engine has been inspected in accordance with a **100-Hour / Annual Inspection** using the Pilatus AMM 12-B-05-20-20-00A-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. Installed a PC-12 / Pratt & Whitney 100-Hour Kit.

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

Engine Fuel Pump Inlet Screen Inspection / Cleaning IAW EMM 73-10-02.
Engine Fuel Pump Outlet Filter replaced with new P/N: AN6235-3A IAW EMM 73-10-02.
Engine Oil Sample taken IAW EMM 79-20-02 and sent out for analysis.
Reduction / Accessory GB Chip Detector Inspection / Check IAW AMM 12-B-79-30-01-00A-920A-A.
Engine Spark Igniters Cleaning / Inspection / Check IAW AMM 12-B-74-20-00-00A-920A-A.
P3 Air Filter Cleaning / P3 Filter Housing Assembly Drain Inspection IAW EMM 73-10-07.
Torque Limiter / Performance Tests IAW AMM 12-B-71-00-00-00A-903G-A / 903H-A.
Engine Torque / Stick Pusher Transducer Cleaning IAW AMM 12-B-71-00-03-00A-250A-A.
Compressor Desalinization / Performance Recovery & Turbine Wash IAW AMM 12-B-71-00-00-00A-250A-A.
Engine Hot Section Borescope Inspection IAW P&WC EMM 72-00-00. No faults found.
Fuel manifold adapter / nozzle assemblies Inspection by removing the manifold adapter / nozzle assemblies and sending out for inspection / cleaning. Re-installed the Nozzles using a new O-Rings & Gaskets IAW EMM 73-11-05 after inspection / cleaning performed by Dallas Airmotive W/O#: RPR32150 (See FAA Form 8130-3). Operation / leak checks were 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: 5/16/13

Authorized Inspector: _____

Jeff Dowling

W/O#: 36U-14P-4548
Make: P&WC
Model: PT6A-67P
S/N: PCE-RY0131
Reg #: N129NX



1980 Airport Rd. Hangar A Heber City, UT 84032

Tach: N/A
Total Time: 801.2
Hobbs: 801.2
Cycles: 435
SMOH: N/A

I certify that this engine has been inspected in accordance with a **100-Hour / Annual Inspection** using the Pilatus AMM 12-B-05-20-20-00A-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. Installed a PC-12 / Pratt & Whitney 100-Hour Kit.

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

Engine Fuel Pump Inlet Screen Inspection / Cleaning IAW EMM 73-10-02.
Engine Fuel Pump Outlet Filter replaced with new P/N: AN6235-3A IAW EMM 73-10-02.
Engine Oil Sample taken IAW EMM 79-20-02 and sent out for analysis.
Reduction / Accessory GB Chip Detector Inspection / Check IAW AMM 12-B-79-30-01-00A-920A-A.
Engine Spark Igniters Cleaning / Inspection / Check IAW AMM 12-B-74-20-00-00A-920A-A.
P3 Air Filter Cleaning / P3 Filter Housing Assembly Drain Inspection IAW EMM 73-10-07.
Torque Limiter Adjustment / Test IAW AMM 12-B-71-00-00-00A-903H-A
Engine Performance Test IAW AMM 12-B-71-00-00-00A-903I-A.
Engine Torque / Stick Pusher Transducer Cleaning IAW AMM 12-B-71-00-03-00A-250A-A.
Compressor Desalinization / Performance Recovery Wash IAW AMM 12-B-71-00-00-00A-250A-A.

Complied with the following Service Letters / Service Bulletins:

Pilatus SL 173, Engine Torque Limiter Inspection, C/W IAW Paragraph 3. of P&WC SB No. 14473 - No faults found. Torque Limiter has been in service over 800 hrs. No further action required.

Pilatus SB72-004 (Ref No. 310), Inspection of Fuel Nozzle Assemblies IAW P&WC SB No. 14357, does not apply. No Tips were replaced during last Nozzle Service on 5/16/13 @ 692.4 ACTT - Prior Service on 5/27/11 @ 336.2 is outside Bulletin Affected Dates.

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: 5/21/14

Authorized Inspector: _____

Jeff Dowling

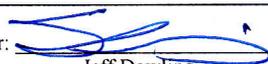
Section 1: Record of engine maintenance and elementary work

Date -- / -- / --	W/O#: 36U-15P-4753 Make: P&WC Model: PT6A-67P S/N: PCE-RY0131 Reg #: N129NX	 1880 Airport Rd. Hangar A Heber City, UT 84032	Tach: N/A Total Time: 909.6 Hobbs: 909.6 Cycles: 488 SMOH: N/A
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I certify that this engine has been inspected in accordance with a **100-Hour / Annual Inspection** using the Pilatus AMM 12-B-05-20-20-00A-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. Installed a PC-12 / Pratt & Whitney 100-Hour Kit. Serviced w/ 1 qt. BP-2380 Oil.

Complied with the following Chapter 4 / 5 Special Inspection Items:
 Engine Fuel Pump Inlet Screen Inspection / Cleaning IAW EMM 73-10-02.
 Engine Fuel Pump Outlet Filter replaced with new P/N: AN6235-3A IAW EMM 73-10-02.
 Engine Oil Sample taken IAW EMM 79-20-02 and sent out for analysis.
 Reduction / Accessory GB Chip Detector Inspection / Check IAW AMM 12-B-79-30-01-00A-920A-A.
 Engine Spark Igniters Cleaning / Inspection / Check IAW AMM 12-B-74-20-00-00A-920A-A.
 P3 Air Filter Cleaning / P3 Filter Housing Assembly Drain Inspection IAW EMM 73-10-07.
 Engine Torque / Stick Pusher Transducer Cleaning IAW AMM 12-B-71-00-03-00A-250A-A.
 Compressor Desalination / Performance Recovery Wash IAW AMM 12-B-71-00-00-00A-250A-A.
 Torque Limiter Adjustment / Test IAW AMM 12-B-71-00-00A-903H-A. Final checks were satisfactory.
 Engine Performance Test IAW AMM 12-B-71-00-00-00A-903I-A. All results were within limits.
 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: 4/24/15

Authorized Inspector: 
 Jeff Dowling

W/O#: 36U-16P-4925 Make: P&WC Model: PT6A-67P S/N: PCE-RY0131 Reg #: N129NX	 1880 Airport Rd. Hangar A Heber City, UT 84032	Hobbs: 1067.0 Total Time: 1067.0 Total Cycles: 566 TSO: N/A CSO: N/A
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I certify that this engine has been inspected in accordance with a **100-Hour / Annual Inspection** using the Pilatus AMM 12-B-05-20-20-00A-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. Installed a PC-12 / Pratt & Whitney 100-Hour Kit.

Complied with the following Chapter 4 / 5 Special Inspection Items:
 Engine Fuel Pump Inlet Screen Inspection / Cleaning IAW EMM 73-10-02.
 Engine Fuel Pump Outlet Filter replaced with new P/N: AN6235-3A IAW EMM 73-10-02.
 Engine Oil Sample taken IAW EMM 79-20-02 and sent out for analysis.
 Reduction / Accessory GB Chip Detector Inspection / Check IAW AMM 12-B-79-30-01-00A-920A-A.
 Engine Spark Igniters Cleaning / Inspection / Check IAW AMM 12-B-74-20-00-00A-920A-A.
 P3 Filter Housing Assembly Drain Inspection IAW EMM 73-10-07.
 Engine Torque / Stick Pusher Transducer Cleaning IAW AMM 12-B-71-00-03-00A-250A-A.
 Compressor Desalination / Performance Recovery Wash IAW AMM 12-B-71-00-00-00A-250A-A.
 Engine Oil Filter Element replaced with new P/N: 3059258-01 IAW EMM.
 P3 Air Filter Element replaced with new P/N: 3059788-01 IAW EMM.
 AGB Internal Scavenge Pump Inlet Screen Cleaning / Inspection IAW EMM 72-60-00 & Oil System Servicing IAW EMM 72-00-00 & PWC SB 14001 - No abnormal debris found. Serviced Engine with 2380 Turbine Engine Oil as required.
 Engine Hot Section Borescope Inspection IAW P&WC EMM 72-00-00. No faults found.
 Fuel Manifold Adapter / Nozzle Assemblies Inspection by removing the Adapter / Nozzle Assemblies and sending for Service. Re-installed Manifold Adapter / Nozzle Assemblies using a new O-ring / Gasket Kit after Service performed by Dallas Airmotive W/O#: RPR42493 (See FAA Form 8130-3). Removal / installation performed IAW P&WC EMM 73-11-05.
 Torque Limiter Adjustment / Test IAW AMM 12-B-71-00-00A-903H-A. Final checks were satisfactory.
 Engine Performance Test IAW AMM 12-B-71-00-00-00A-903I-A. All results were within limits.

Complied with the Following P&WC Service Bulletins / Pilatus Service Letters:
SB No. 14357R4, Fuel Nozzle Assemblies Inspection, C/W IAW the Bulletin Instructions - No affected Tips installed.
SB No. 14495R3, Fuel Nozzle Tips Inspection, C/W IAW Bulletin Instructions - No affected Tips installed.
SB No. 14447R1, Gas Generator, does not apply - Engine S/N: PCE-RY0131 not listed in Table 9 of Bulletin.
SB No. 14498, PT Stator Housing, does not apply - No overhaul / repair during affected OHM Revision dates.
SB No. 14507, FCU Interconnect Rod Inspection, C/W IAW Bulletin Instructions - No interference found.
SB No. 14511R2, 2nd Stage PT Blades, does not apply - Engine S/N: PCE-RY0131 not listed in Table 7 of Bulletin.
SL 179, Torque Limiter Inspection, C/W on P/N: 3244882-2, S/N: C50988 IAW Paragraph 3. B. of P&WC **SB No. 14473R3** - No evidence of movement. No further action required.
SL 181, Oil Filler & Indicator, does not apply - Equipped S/N: AB0982 not listed in Table 1 of P&WC **SB No. 14499**.

Addressed the Following Discrepancies:
 Propeller Shaft Oil Seal replaced with new P/N: 3121688-01 using new Felt Strips P/N: 3108839-01 in the Retaining Ring Halves and a new Gasket P/N: 3116684-01 under the Retaining Ring Halves IAW EMM 72-11-00.
 Primary NF Governor P/N: 8210-137 Rev. H, S/N: 16448684 removed. Installed Repaired Governor P/N: 8210-137 Rev. H, S/N: 2491025 (TSO: 232.7) IAW EMM 62-20-00. Adjustment / Test IAW AMM 12-B-71-00-00-00A-903L-A was 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: 5/4/16

Authorized Inspector: 
 Jeff Dowling