

MAINTENANCE/INSPECTION ENTRIES

ATS ILLINOIS, INC

Logbook entry

December 22, 2010	N880MB	S/N BB928
Aircraft TT: 6983.0	HM: 3127.0	Landings: 7731
L/H Eng PT6A-42 S/N PC-E93204	Engine TT: 6983.0	Engine TC: 7731

- 1) Performed MORE Program 100hr oil analysis, Compressor wash, general condition inspection, P3 filter cleaning and powerplant adjustment and test.
- 2) Performed MORE program 200hr starter generator gear-shaft inspection, 5 micron fuel pump filter replacement and fuel nozzle clean and flow check.
- 3) Performed MORE Program 400hr visual inspection of Hot Section components, compressor and exhaust duct. Chip detector functional check. Engine vibration analysis. Engine gauge calibration and propeller dynamic balance checks.
- 4) Split engine at "C" flange and performed MORE Program 400hr C.T. disc visual inspection. Installed O/H P/N 3111764 -01 C.T. bolt
- 5) Installed new P/N 176165 oil filter.
- 6) Installed new P-1018 P3 filter.
- 7) OPS and leak check OK.



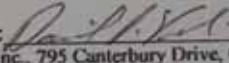
Mark McKinney
346364039 A&P

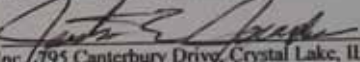


Registration: N880MB ETSMOH:3978.5
 Engine
 Serial No: PC-E93204
 Hobbs/Tach: 3248.8
 E TTSN: 7104.2 Date: 6-2-2011

LEFT ENGINE MAINTENACE PERFORMED

> Performed MORE Program 100 hr inspection, including general engine condition inspection, compressor wash, oil analysis, P3 air filter cleaning, engine adjustment/test, ground performance run-up and leak check - satisfactory.
 All work was performed in accordance with current FAR regulations, pertinent manuals, and approved for return service with respect to the work described herein.

Work Performed By:  Printed Name: Daniel P. Volin A&P 344609900
 For AeroJet Services, Inc., 795 Canterbury Drive, Crystal Lake, IL 60014 Phone: (815) 451-2696 Fax: (815) 356-0348

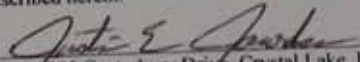
Work Inspected By:  Printed Name: Justin E. Jourdan A&P 2852679
 For AeroJet Services, Inc., 795 Canterbury Drive, Crystal Lake, IL 60014 Phone: (815) 451-2696 Fax: (815) 356-0348

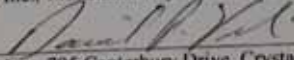


Registration: N880MB ETSMOH:4032.4
 Engine
 Serial No: PC-E93204
 Hobbs/Tach: 3302.7
 E TTSN: 7158.1 Date: 9-06-2011

LEFT ENGINE MAINTENACE PERFORMED

> Performed MORE Program 100 hr and 200 hr inspections, including general engine condition inspection, oil analysis, compressor wash, general condition, P3 air filter cleaning, engine adjustment/test, starter/generator spline wear check, fuel pump filter inspection and fuel nozzle overhaul, see Prime Turbines Work Order No. W0040259, dated 9-1-2011.
 > Performed ground performance run-up and leak check - satisfactory.
 All work was performed in accordance with current FAR regulations, pertinent manuals, and approved for return service with respect to the work described herein.

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MAINTENANCE/INSPECTION ENTRIES

ATS ILLINOIS, INC

Logbook entry

January 27, 2012
Aircraft TT: 7230.9

N880MB
HM: 3375.5
Engine TT: 7230.9

S/N BB928
Landings: 7994
Engine TC: 7994

- L/H Eng PT6A-42 S/N PC-E93204
- 1) Installed 1st stage PT disc P/N 3022812, S/N 2E255 (TC 1010) with 47 O/H blades riveted and balanced by Prime turbine WO W0040838.
 - 2) Installed 2nd stage PT disc P/N 3022813, S/N 9P540 (TC3483) with original blades riveted and balance by Prime Turbine WO 0040838.
 - 3) Power turbine shaft balanced with O/H #3 bearing.
 - 4) Installed O/H P/N 3035287 Gear set S/N B379 and O/H P/N 3028456 Gear shaft S/n 3P336.
 - 5) Installed O/H P/N 3123122-01 HP bleed valve S/N B119 and O/H P/N 3123123-01 LP Bleed valve S/n 6B959.-
 - 6) Installed O/H P/N 3244707-6 Torque limiter S/N A63061.
 - 7) Installed O/H P/N 8210-007-01 prop governor S/N 1201175 and O/H P/N 210638 Overspeed governor S/N 2346463.-
 - 8) Installed O/H P/N 025323-300-03 Fuel pump S/N 5264, O/H P/N 3244768-13-12-11-9-7 Fuel control S/N A69281 and O/H P/N 10585K-FGHJ Fuel heater S/N 1124.-
 - 9) Installed O/H P/N 10-381550-4 Ignition exciter S/N NN99492338.-
 - 10) Installed one P/N 3100614-01 oil pressure relief valve spacer
 - 11) OPS, rigging and leak check OK.

M. McKinney

Mark McKinney
346364039 A&P



Registration: N880MB ETSMOH:4170.3
Engine
Serial No: PC-
E93204
Hobbs/Tach: 3440.6
E TTSN: 7296.0 Date: 4-26-2012

LEFT ENGINE MAINTENANCE PERFORMED

- > Performed MORE Program 100 hr inspection, including general engine condition inspection, compressor wash, oil analysis, P3 air filter cleaning, engine adjustment/test, ground performance run-up and leak check - satisfactory.
 - > Replaced inboard and outboard igniters with new P/N 10-390667-1, safited and ops checked - satisfactory.
- All work was performed in accordance with current FAR regulations, pertinent manuals, and approved for return service with respect to the work described herein.

Work Performed By: *Daniel P. Volin* Printed Name: Daniel P. Volin A&P 344609900
For AeroJet Services, Inc., 795 Canterbury Drive, Crystal Lake, IL 60014 Phone: (815) 451-2696 Fax: (815) 356-0348

Work Inspected By: *Justin E. Jourdan* Printed Name: Justin E. Jourdan A&P 2852679
For AeroJet Services, Inc., 795 Canterbury Drive, Crystal Lake, IL 60014 Phone: (815) 451-2696 Fax: (815) 356-0348

ATS ILLINOIS, INC

Logbook entry

January 31, 2012
Aircraft TT: 7345.3

N880MB
HM: 3490.3
Engine TT: 7345.3

S/N BB928
Landings: 8137
Engine TC: 8137

- L/H Eng PT6A-42 S/N PC-E93204
- Performed MORE Program 100hr oil analysis, Compressor wash, general condition inspection, P3 filter cleaning and powerplant adjustment and test.
- Performed MORE program 200hr starter generator gear-shaft inspection, 5 micron fuel pump filter placement and fuel nozzle clean and flow check.
- Performed MORE Program 400hr visual inspection of Hot Section components, compressor and exhaust ct. Chip detector functional check. Engine vibration analysis. Engine gauge calibration and propeller dynamic balance checks.
- Split engine at "C" flange and performed local grinding of CT segments.
- OPS and leak check OK.

M. McKinney

Mark McKinney
346364039 A&P



Registration: N880MB ETSMOH:4344.1
 Engine: .
 Serial No: PC-E93204
 Hobbs/Tach: 3614.5
 E TTSN: 7469.8 Date: 1-17-2013

LEFT ENGINE MAINTENANCE PERFORMED

Performed MORE Program 100 hr inspection, including general engine condition inspection, compressor wash, oil analysis, P3 air filter cleaning, engine adjustment/test, ground performance run-up and leak check - satisfactory. All work was performed in accordance with current FAR regulations, pertinent manuals, and approved for return service with respect to the work described herein.

Work Performed By: Daniel P. Volin
 For AeroJet Services, Inc., 795 Canterbury Drive, Crystal Lake, IL 60014
 Printed Name: Daniel P. Volin A&P 344609900
 Phone: (815) 451-2696 Fax: (815) 356-0348

Work Inspected By: Justin E. Jourdan
 For AeroJet Services, Inc., 795 Canterbury Drive, Crystal Lake, IL 60014
 Printed Name: Justin E. Jourdan A&P 2852679
 Phone: (815) 451-2696 Fax: (815) 356-0348

OR'S URE	LICENSE NUMBER

ENGINE MODEL (#1): PT6A-42
 ENGINE S/N (#1): PC-E93204
 REG. NO: N880MB
 WORK ORDER: 5521-06-2013



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
 Blaine, Minnesota 55449
 Phone: 763-784-9165

DATE: 7/12/2013
 Airframe TT: 7601.8
 ENG TT (#1): 7601.8
 ENG TC (#1): 8420
 ENG TSO (#1): 4476.1
 HOBBS: 3746.5

Engine #1 Entries

Completed the Part 4B 50 hour MORE inspection program IAW STC Checklist and Manufactures Instructions —Completed the Part 4B 100/150 hour MORE inspection program IAW STC Checklist and Manufactures Instructions —Completed the Part 4B 200/300 hour MORE inspection program IAW STC Checklist and Manufactures Instructions. Added 4qts Exxon 2380 turbine oil. —Removed all left hand engine fuel nozzles, cleaned and inspected pressurized fuel flow pattern IAW Pratt & Whitney PT6A-42 maintenance manual, reinstalled fuel nozzles with 54 EA new Packings, P/N: AS3209-009, and 14 EA metal o-rings, P/N: MS9371-16, functional and leak check satisfactory. —Removed and reinstalled repaired left hand engine outboard exhaust duct, exhaust duct repaired by Aerospace Welding FAA repair station# UWDR792L, reference aerospace welding WOW 153750, functional check satisfactory. —Removed and replaced customer supplied left hand lower engine cowling de-ice door side piano hinge PN: 101-9100-20-13, functional check satisfactory.

1 of 1

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 7/12/2013

SIGNED: Bill Ahmann

Bill Ahmann, A&P 3688958

Work Order: 5521-06-2013

Printed by EBis 3 (datcomedia.com)



Date: September 20, 2013

LEFT ENGINE
 Model: PT6A-42
 Serial No.: PC-E93204
 TSN: 7618.5 TSO: 4482.9
 CSN: 8435 CSO: 4509

Registration: N880MB
 H.M./Tach: 3761.2
 A/C TT: 7618.5
 Landings: 8435

This Is To Certify A Complete (Phase 1 through 4) Inspection Has Been Accomplished In Accordance With FAR 91.409 (F) 3 And The Beechcraft Corp. King Air 200 Series Maintenance Manual. This Aircraft Has Been Inspected In Accordance With Current FAA Regulations Is Airworthy and Approved For Return to Service. Pertinent details are on file at this repair station under work order no. DAY-WO- 3222.

Signature: William F. Kauling

For, Stevens Aviation, CRS VIB4368K, Dayton Int'l Airport, Vandalia, Ohio 45377

- C/W oil analysis sampling.
- C/W 400 hr. M.O.R.E. inspection items. Split engine at "C" flange, and removed hot section components. Inspected hot section components. Found cracks present in the burner can, power turbine vanes, and the CT vane housing. all cracks noted are within P&WC MM limits. Replaced CT guide vane with an overhauled unit IAW the P&WC PT6A-42 MM using (1) ea. p/n 3045671CL01 s/n 8N984, Class 6.78. Installed new shroud segments in CT stator housing using (9) ea. p/n 3071525CL13, fit and ground tip clearance within P&WC PT6A-42 MM specifications. Reinstalled hot section components. Reassembled engine at "C" flange.
- Serviced engine as required with 2380 Turbo Oil.
- Engine ground run and leak check satisfactory.

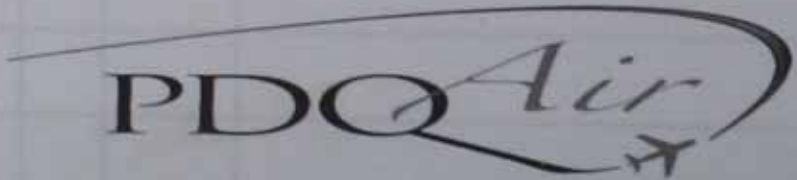
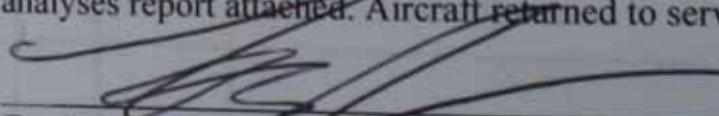
The Aircraft, Airframe, Aircraft engine, Propeller, and/or Appliance Identified Above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair(s) are on file at this repair station under work order no(s). DAY-WO- 3222.

Signature: William F. Kauling

For, Stevens Aviation, CRS VIB4368K, Dayton Int'l Airport, Vandalia, Ohio 45377

Aircraft Model _____ Serial Number _____

Reg # _____ Owner's Name _____

DATE			TIME	ENTRIES MAY BE ON MULTIPLE LINES IF REQUIRED	INSPECTOR'S SIGNATURE	LICENSE NUMBER
Y	M	D	HOURS			
					<i>Make: Beechcraft B200 N880MB</i> S/N: BB-928 Tach: 3851.6	
				Engine washed and inspected I/A/W with M.O.R.E. 100-150 hour inspection program. Oil analyses report attached. Aircraft returned to service.		
						
				Date <u>02/28/2014</u>		
				Fred S Jernigan, Jr. A&P 2782716 IA		

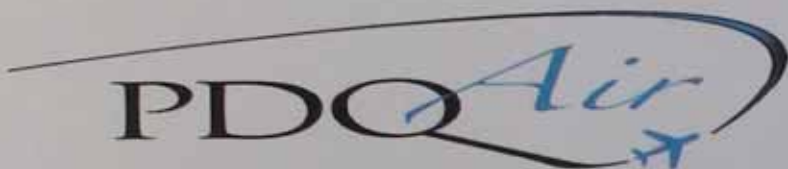
DATE

TIME

ENTRIES MAY BE ON MULTIPLE

INSPECTOR'S

LICENSE



P&W PT6A-42 (LH)

Serial# PC-E93204

Tach : 3960.3

TT: 7817.6

TSOH 4681.9

Cycles: 8585

1. Engine washed
2. Oil drained and sample taken.
3. C/W M.O.R.E. 100/150 hour inspection.
4. Replaced leaking seal around oil filter cover.
5. Engine serviced with 8qts BP 2380
6. Engine ran, leak checked and operationally checked.
7. ***M.O.R.E 200/300 inspection must be completed by 7901.8***

I certify that all items covered in the Beechcraft B200 Scheduled Inspection program (phase 1) as covered in the IML revision C15 dated May 2014 and P&W maintenance manual have been completed along with M.O.R.E. STC inspection criteria. This engine has been determined to be **AIRWORTHY**. See check list attached in the aircraft records for complete details.

 Date 10/07/2014

Fred S Jernigan, Jr. A&P 2782716 IA