

MAINTENANCE/INSPECTION ENTRIES

ATS ILLINOIS, INC.

Logbook entry

December 22, 2010

N880MB

S/N BB928

Aircraft TT: 6983.0

HM: 3127.6

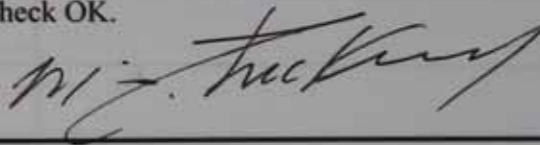
Landings: 7731

R/H Eng PT6A-42 S/N PC-E93165

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.
- 5) Installed new P/N 1761865 oil filter.
- 6) Installed new P/N P-1018 P3 filter .
- 7) OPS and leak check OK.



Mark McKinney
346364039 A&P



Registration: N880MB ETSMOH:3978.5

Engine

Serial No: PC-
E93165


Hobbs/Tach: 3248.8

E TTSN: 7104.2 Date: 6-2-2011

RIGHT 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:  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

ATS ILLINOIS, INC.

Logbook entry

July 26, 2011

N880MB

S/N BB928

Aircraft TT: 7149.5

HM: 3294.1

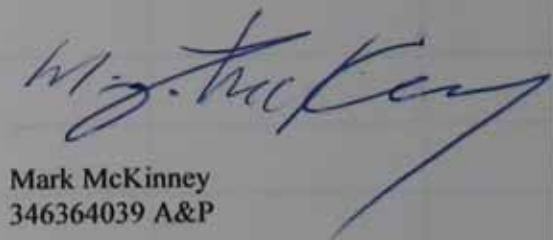
Ldgs: 7910

R/H Eng PT6A-42 S/N PC-E9316

Engine TT: 7149.5

Engine TC: 7910

- 1) Installed new E31015325-02 and E3028456 first stage reduction sun and planet gear set. Pins and bushings continued in service.
- 2) Installed O/H P/N 3031266 ring gear.
O/H P/N 3031266 ring gear.
- 3) Installed new P/N 3111841-01 prop seal runner.
- 4) New seals and lock rings as necessary.
- 5) Installed new oil filter.
- 6) Performed satisfactory ground run
- 7) OPS and leak check OK.



Mark McKinney
346364039 A&P

MAINTENANCE/INSPECTION ENTRIES

raft #



Registration: N880MB ETSMOH:4032.4
 Engine
 Serial No: PC-E93165
 Hobbs/Tach: 3302.7
 E TTSN: 7158.1 Date: 9-06-2011

RIGHT 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. W0040260, 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.

Work Performed 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

Work Inspected 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

ENSE
MBER

ATS ILLINOIS, INC.

Logbook entry

January 27, 2012
 Aircraft TT: 7230.9

R/H Eng PT6A-42 S/N PC-E93165

N880MB
 HM: 3375.5
 Engine TT: 7230.9

S/N BB928
 Landings: 7994
 Engine TC: 7994

- 1) Installed 1st stage PT disc P/N 3022812, S/N 2E161 (TC 901) with O/H blades riveted and balanced by Prime Turbine WO 040837.
- 2) Installed 2nd stage PT disc P/N 3022813, S/N 2C347 (TC 901) with O/H blades riveted and balanced by Prime Turbine WO 040837.0
- 3) Power turbine shaft balanced with O/H bearings #3 and #4
- 4) Installed O/H P/N 3022441 TTT harness S/N 9116077.
- 5) Installed O/H P/N 3123122-01 HP bleed valve S/N A-7288' and O/H P/N 3123123-01 LP bleed valve S/N B1532.'
- 6) Installed O/H P/N 3244707-7 Torque limiter S/N A87892.'
- 7) Installed O/H P/N 8210-0001 Prop governor S/N 1292718 and O/H P/N 210638 Overspeed governor S/N 200298Z.
- 8) Installed O/H P/N 025323-300-03 Fuel pump S/N 8312 O/H P/N 3244768-13-12-11-9-7 Fuel control S/N A69121 and O/H P/N 10585K-FGHJ fuel heater S/N 1263.'
- 9) Installed O/H P/N 10-381550-2 Ignition exciter S/N 19130F.
- 10) Installed one P/N 3100614-01 oil pressure relief valve spacer.
- 11) OPS, rigging and leak check OK.

Mark McKinney

Mark McKinney
 346364039 A&P



Registration: N880MB ETSMOH:4170.3
 Engine
 Serial No: PC-E93165
 Hobbs/Tach: 3440.6
 E TTSN: 7296.0 Date: 4-26-2012

RIGHT 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.
 - Replaced inboard and outboard igniters with new P/N 10-390667-1, saltied 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

TIMKEN OVERHAUL SERVICES

3130 N. GAKLAND ST • MESA, AZ 85215 USA • TEL: 480.632.1039

FAA REPAIR STATION ZP3R032M

Power Section received for replacement of 1st Stage Reduction Gear Set.

Removed 1st Stage Sun Gear and 1st Stage Planet Gears (3 ea.) reference Pratt & Whitney Canada OHM 3021443 Rev. 44 dated 9/10/2010.

Installed new 1st Stage Sun Gear P/N 3028456 S/N PKAAA433330 and 1st Stage Planet Gears (3 ea.) P/N 3101525-02 S/N AK172.

Timken Service bulletin T-808 and Airworthiness Directive 2012-09-10 incorporated during this visit.

Replaced Sun Gear Thrust Washer with overhauled, PN 3027693 SN NSN

PT vane Ring not installed. Prior to final acceptance, PT Vane Ring must be installed prior to power section installation.

Removed from Engine Serial Number PCE-93165

TSN:UNK CSN: UNK

Pertinent details regarding this Work Order are on file at Timken Overhaul Services under the work order number W5335.

SIGNATURE



TOS
INSP
21

DATE 20 July 2012

ATS ILLINOIS, INC.

Logbook entry

July 31, 2012

Aircraft TT: 7345.3

R/H Eng PT6A-42 S/N PC-E9316

N880MB

HM: 3490.3

Engine TT: 7345.3

S/N BB928

Landings: 8137

Engine TC: 8137

- 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 local grinding of C.T. segments. Installed repaired CC liner.
- 5) Installed RGB after compliance with AD2012-09-10 by Timken Overhaul Services. New P/N 3028456 Sun gear and 3 New P/N 3101525-2 Planet Gears installed.
- 6) Installed O/H P/N 3030262 P.T. stator S/N 68813.
- 7) OPS and leak check OK.

Mark McKinney
346364039 A&P



Registration: N880MB ETSMOH:4344.1
 Engine
 Serial No: PC-
 E93165
 Hobbs/Tach: 3614.5
 E TTSN: 7469.8 Date: 1-17-2013

RIGHT 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:
 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:
 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

ENGINE MODEL (#2):
 PT6A-42
 ENGINE S/N (#2):
 PC-E93165
 REG. NO: N880MB
 WORK ORDER:
 5521-06-2013



Twin Cities Aviation, Inc.

8891 Airport Rd #A-2
 Blaine, Minnesota 55448
 Phone: 763-784-9165

DATE: 7/12/2013
 Airframe TT: 7801.8
 ENG TT (#2): 7801.8
 ENG TC (#2): 8420
 ENG TSO (#2): 4478.1
 HOBS: 3746.5

Engine #2 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 4 qts Exxon 2380 turbine oil. —Removed all right 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, PIN AS3209-009, and 14 EA metal o-rings, P/N. MS9371-16, functional and leak check satisfactory.

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, A&P: 3688958

Work Order: 5521-06-2013
 Printed by EBis 3 (datoomedia.com)

MAINTENANCE/INSPECTION ENTRIES



Date: September 20, 2013

RIGHT ENGINE
 Model: PT6A-42
 Serial No.: PC-E93165
 TSN: 7618.5 TSO: 4492.8
 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. Kordy
 For, Stevens Aviation, CRS VIB4368K, Dayton Int'l Airport, Vandalia, Ohio 45377

1. C/W oil analysis sampling.
2. C/W 400 hr. M.O.R.E. inspection items. Split engine at "C" flange and removed hot section components. Inspected hot section components and found the following cracks: CT vane has one crack in a vane, and the burner can has cracks in the cooling rings. All cracks found to be within P&WC PT6A-42 MM limits. Ground CT wheel tip clearance within P&WC PT6A-42 MM specifications. Reinstalled hot section components. Reassembled engine at "C" flange.
3. Replaced T5 bus bar with an overhauled unit IAW the P&WC PT6A-42 MM 77-20-01 using (1) ea. p/n 3021390 s/n EM76531014.
4. Serviced engine as required with 2380 Turbo Oil.
5. 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. Kordy
 For, Stevens Aviation, CRS VIB4368K, Dayton Int'l Airport, Vandalia, Ohio 45377

	Make: Beechcraft B200 N880MB 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.	
Signature: <u>Fred S Jernigan, Jr.</u> Fred S Jernigan, Jr. A&P 2782716 IA	Date: <u>02/28/2014</u>



P&W PT6A-42 (RH)

Serial# PC-E93165

Tach : 3960.3


TT: 7817.6

TSOH 4691.9

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