

Date : 01/08/2014

Serial Number : 536

Registration : N536EM

Aircraft type : TBM 850

Meter Time: 584.2 Hobbs

Time Since New : 584.2

Cycle Since New : Unkn

Work Order : 5071

- Page 1.
- Performed a Standard Program - C+/Annual inspection IAW TBM 850 Maintenance manual chapters 05-20-04/05-20-05.
- Removed A/P Pitch servo GSA 81 S/N 66410933 clutch S/N 68706149, Yaw servo GSA 81 S/N 66411014 clutch S/N 68706156, Pitch trim servo GSA 81 S/N 66411135 clutch S/N 88205239, Roll servo GSA 81 S/N 66411008 clutch S/N 68706152, performed clutch friction torque check per M/M chapter 22-11-00, re-installed Ops. checked good.
- Inspect and tested ELT S/N 170-10878 IAW the requirements of FAR 91-207 Paragraph (d) and TBM Maintenance manual. Replaced battery with new P/N 452-0133 expired Feb. 2019.
- Performed capacity test and recharged battery S/N 40480512, re-installed and Ops. checked good.
- Performed Long Life Program 1 year inspection IAW Socata CMM and MM on landing gears L/H S/N B357, R/H S/N B355, Nose S/N B356.
- C/W SB 70-118R1 Cleaned, inspected and lubricated flap actuator rods.
- C/W SB 70-197-32 Ref. MOD70-0334-32 Measured the jam nuts thickness 8 mm, and dimension between actuator rod jam nut and rod end shoulder on LDG actuators: L/H S/N 434 "A" Dimension 6.07 mm; R/H S/N 433 "A" Dimension 6.63 mm; Front S/N 430 "A" Dimension 6.03 mm., all dimensions found to be within tolerance.
- C/W SB 70-205-34 by installing ECTM script files version 1.1 on MFD top SD card IAW the instruction contained in the SB. Operational check normal.
- C/W SB 70-206-32 Checked LDG actuator rod end assy ball joint crimping, found all three actuators ball joint centering lower than 0.3 mm.
- C/W SB 70-207-32 Replaced LDG actuator lower attachment washers with new P/N T700A321001410000, new lock washers P/N 7743090220.
- C/W 2 yrs. Do a fuel low level test and check indicator calibration on aircraft.
- C/W 2 yrs. Test and inspected altimeter system, altitude reporting equipment and transponder as required by FAR 91-411 IAW Part 43, App. E, and FAR 91-413 IAW Part 43, App. F, Socata MM, G1000 Line MM Par. 6.1. Inspected static ports and RVSM critical area for any defect IAW MM Ch. 53-00-00, Fig. 604, none noted.
- C/W 4 yrs. Checked for cleanliness and condition of fuel strainers, Checked rubber condition of fuel tank flapper valves.
- C/W 4 yrs. Replaced condenser drier filter with new P/N 6046297266, off-S/N 8988-00213, on-S/N 8988-00449.
- C/W 5 yrs. Removed oxygen cylinder S/N 518 for hydrostatic test by Zodiac Services Americas, CRS # QX3R805L, W.O. 0050280419/902648, re-installed and serviced oxygen system, performed an operational and leak check good, cylinder Mfg. 03/2008, next hydro. test due 12/2018.
- C/W 600 hrs. Replaced fuel unit filter with new P/N 6007707270 and new O-rings.
- C/W 600 hrs. Checked dimension of beta ring and carbon block, replaced beta carbon block with new P/N 6036387238.
- C/W 600 hrs. Performed an operational test of chip detector.
- C/W 600 hrs. Checked and replaced brushes with new P/N ALU3045BS on standby alternator S/N I120094.
- C/W 600 hrs. Checked and replaced brushes with new P/N 408768B1 on starter generator S/N 593.



FAA CRS # URZR891L / EASA.145.5152

SOCATA North America, Inc.

Pembroke Pines, FL 33023

Date : 01/08/2014

Serial Number : 536

Registration : N536EM

Aircraft type : TBM 850

Meter Time: 584.2 Hobbs

Time Since New : 584.2

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- Page 2.
- Replaced R/H wing outboard leading edge de-ice boot with new P/N T700A3010001007 and Ops. checked good.
- Replaced R/H main tire with new P/N 033-631-0 S/N 3163S00246 , new O-rings P/N 7423692059, P/N 7423692060.
- Drained R/H fuel tank, removed fuel access panels No. 631,633,654, cleaned and resealed the removed panels, refueled and leak checked good.
- Replaced R/H wing fuel cap lanyard with new P/N 7754011612.
- Removed (un-approved) left and right landing and taxi LED light bulbs, installed the approved landing light bulbs P/N Q5596 and taxi light bulb P/N Q5587, Ops. checked good.

The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And Is Approved For Return To Service For the Work Performed. Permanent Records Of The Repair Are on File At This Repair Station Under W.O. # 5071, Signature: [Redacted] Kam Phongsavath, Date : 01/08/2014 CRS # URZR891L / EASA. 145.5152

Required function test flight in accordance with manufacturer's specifications and the flight manual has been accomplished. Aircraft exhibits normal flight characteristics.

Signature: [Redacted]

Flight Test

I certify that this Aircraft has been inspected/repared in accordance with "C +" inspection per Socata MM & Far 43 and determine to be in Airworthy condition. Pertinent details on file under W.O # 5071 and copy given to customer.

Aircraft T.T : 584.2, Engine T.T : 591 Prop T.T : 588.5

Signature : [Redacted] Kam Phongsavath

Date : 01/08/2014 CRS # URZR891L / EASA 145.5152

GHG
CLT
PDX
SAV
PDX
MM
PDK-PL
ILG
PDX
IAD
MM
PDI
PU
BC
MM
JQ
PDX
LZ

DAHER-SOCATA

Date : 01/08/2014

FAA CRS # URZR891L / EASA 145.5152

SOCATA North America, Inc.

Meter Time: 584.2 Hobbs

Serial Number : 536

Registration : N536EM

FL 33023

Time Since New : 584.2

Cycle Since New : Unkn

Aircraft type : TBM 850

Work Order : 5071

- Eng. PT6A-66D S/N RV0159 TSN. 591.0.
- Performed a Standard Program - C+/Annual inspection IAW TBM 850 Maintenance manual chapters 05-20-04/05-20-05.
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect.
- Performed ultrasonic cleaning of P3 air filter, inspected and re-installed with new O-rings.
- Cleaned, inspected and re-installed oil filter with new O-rings.
- C/W P&WC S.B. No. 14474 Inspected engine oil sample for discoloration and carbon, verified engine oil sample color is in Category 3.
- C/W 600h. Replaced fuel pump outlet filter with new P/N 3059779-01.
- Performed compressor turbine desalination wash IAW Pratt & Whitney maintenance manual chapter 71-00-00.
- Replaced igniter gaskets with new P/N 3010880.
- Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked, found satisfactory and no leak noted.

The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And Is Approved For Return To Service For the Work Performed. Permanent Records Of The Repair Are on File At This Repair Station Under W.O. # 5071, Date : 01/08/2014 Signature: Kam Phongsavath

I certify that this Engine has been inspected/repared in accordance with "C +" inspection per Socata MM & Far 43 and determine to be in Airworthy condition. Pertinent details on file under W.O # 5071 and copy given to customer.
Aircraft T.T : 584.2 Engine T.T : 591 Prop T.T : 588.5
Signature : Kam Phongsavath
Date : 01/08/2014 CRS # URZR891L / EASA 145.5152

Model PT6A-66
S/N # RV0159
Reg. # N536EM

Atlanta Turbine Management
Lawrenceville, Georgia 30046

Date: 06/24/14
TSN 687.2
Hobbs 687.2
Invoice 6728

- ◆ Performed engine oil sample for debris found on rear chip plug, performed oil patch and sent off for analysis to Jet Care.
- ◆ Removed forward and rear chip detectors and oil strainer for contaminants, none found. Drained all engine oil.
- ◆ Carried out oil inspection as per fault isolation chart 72-00-00, and oil filter inspection 79-20-02. No other defects noted.
- ◆ Provided Jet care results to PWC, C- First, carried out inspection for allowable debris IAW 79-20-02 per lab results and C first advice.
- ◆ Serviced engine with BP2380 turbine oil as needed.
- ◆ Performed ground run at 80% for 10 minutes, no leaks or further chip lights.
- ◆ Next inspection at 10 hours of operation.

This aircraft and or component identified above was repaired and inspected in accordance with current federal air regulations and was found to be airworthy for return to service. Pertinent details are found on file under invoice number.

A&P
Authorized Service Center DAHER-SOCATA