



Transport
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TP3910E

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

GAS GENERATOR MODULE LOG BOOK

Second Edition

January 1987

Canada

✓

ENGINE LOG

1. Make Pratt & Whitney Canada Corp
2. Model PT6A- 64
3. Specification B/S: 758 E.T.C E-21
4. Manufacturer's Serial Number PCE- PM0153
5. Date of Manufacture APRIL 2003
6. Aircraft Inspection Cycle _____

ENGINE SERVICE AND

[illegible]

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

This Gas Generator module is combined with
Power Section.

S/N: PS- PM0153

NG/N0 34800 Rpm, at 850 Shp/δv0


ITT Trim: 16.3 C°

T5 Trim resistance: 60.9 Ohms


DENIS GAUDREAU

1.C.4-58
NO.013

SOCATA - DEPARTEMENT QUALITE
VERIFICATION et ENTRETIEN STOCKAGE


Agrément de Production
JAR 21 N° FG. 027

*****MUNCIE AVIATION CO.CRS#AJVR135C*****

N700JD Date 10/15/2003 A/C 101.0 Hrs. TT

1ST 100 Hr. Inspection C/W ref TBM Service manual chapter 5-20-01

Inspected Ignitors check ok, Inspected oil filter ok, Inspected wiring and general
condition of Engine area ok, Tightened bleed overtemp switch in duct and saftied, tightened overpressure
switch in duct and saftied, tightened oil temp. probe and saftied.

Ground check and run-up Ok

I certify that this Engine has been inspected in
accordance with a 1st 100 Hr. Inspection and was
determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired
and inspected in accordance with current Regulations of
Federal Aviation Agency, approved for return to service
Pertinent details of the repair are on file at the Agency

Work Order No. S6340 Date 10/15/2003

Signed  Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE

*****MUNCIE AVIATION CO.CRS#AJVR135C*****

COMPLETE

BROUGHT
FORWARD

N700JD Date 3/23/2004 A/C 212.0 Hrs. TT

100 Hr. Inspection C/W ref TBM Service manual chapter 5-20-01

Checked Fuel and Oil Filters,Performed compressor and T-Wheel wash and rinse,C/W insitu Nozzle

Flow IAW P&W MM,resecurd Prop govenor rod end stop washer to tighten

Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a 1st 100 Hr. Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of

Federal Aviation Agency,approved for return to service

Pertinent details of the repair are on file at the Agency

Work Order No. S6668 Date 3/23/2004

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE,IN 47308 765-289-7141



*****MUNCIE AVIATION CO.CRS#AJVR135C*****

N700JD Date 6/23/2004 A/C 259.4 Hrs. TT

Annual,100 and 300 Hr Inspections C/W ref TBM Service manual chapter 5-20-01

Checked Fuel and Oil Filters,Performed compressor and T-Wheel wash and rinse,C/W insitu Nozzle

Flow IAW P&W MM,

Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of

Federal Aviation Agency,approved for return to service

Pertinent details of the repair are on file at the Agency

Work Order No. S-6854 Date 6/23/2004

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE,IN 47308 765-289-7141



CARRIED FORWARD

MAINTENANCE RECORD

2

*****MUNCIE AVIATION CO. CRS#AJVR135C*****

LICENCE
NUMBER

N700JD Date 12/13/2004 A/C 373.4 Hrs. TT
100 Hr. Inspection C/W ref TBM Service manual chapter 5-20-01
Checked Fuel and Oil Filters, Performed compressor and T-Wheel wash and rinse,
Tightened stand-By Generaotr/alternator belt and saftied
Ground check and run-up Ok

I certify that this Engine has been inspected in
accordance with a 1st 100 Hr. Inspection and was
determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg. Mark N700JD

The aircraft/component identified above was repaired
and inspected in accordance with current Regulations of
Federal Aviation Agency, approved for return to service
Pertinent details of the repair are on file at the Agency
Work Order No. T7162 Date 12/13/2004

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



*****MUNCIE AVIATION CO. CRS#AJVR135C*****

N700JD DATE 1/31/2005 TACH 406.1
Performed Compressor and T-Wheel wash IAW P&W
Service Manual Chapter 71-00-00

Make Socata Ser.No 264

Model TBM700 Reg. Mark N700JD

The aircraft/component identified above was repaired
inspected in accordance with current Regulations of the
Federal Aviation Administration and found airworthy, and
is approved for return to service for work performed
Pertinent details of the repair are on file at the agency
Work Order No. T7247 Date 1/31/2005

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE

*******MUNCIE AVIATION CO.CRS#AJVR135C*******

BROUGHT
FORWARD

N700JD Date 6/21/2005 A/C 478.0 Hrs. TT

Annual, 100 Hr Inspections C/W ref TBM Service manual chapter 5-20-01

Checked Fuel and Oil Filters, Performed compressor and T-Wheel wash and rinse, C/W insitu Nozzle

Flow IAW P&W MM, Replaced Beta Brush Block

Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service

Pertinent details of the repair are on file at the Agency

Work Order No. 17510 Date 6/21/2005

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



*******MUNCIE AVIATION CO.CRS#AJVR135C*******

N700JD Date 8/1/2006 A/C 727.8 Hrs. TT

Annual, 100, 300, 600 Hr Inspections C/W ref TBM Service manual chapter 5-20-01

Checked Fuel and Oil Filters, Performed compressor and T-Wheel wash and rinse, C/W insitu Nozzle

Flow IAW P&W MM, Replaced Beta Brush Block

Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service

Pertinent details of the repair are on file at the Agency

Work Order No. T8186 Date 8/1/2006

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



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PREVIOUS SUMMARY

TOTAL
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*******MUNCIE AVIATION CO.CRS#AJVR135C*******

C/W 1 year and 3 year specials ✓
N700JD Date 1/12/2007 A/C 817.7 Hrs. TT ✓

Annual/100 Hr Inspections C/W ref TBM Service manual chapter 5-20-01

Checked Fuel and Oil Filters, Performed compressor and T-Wheel wash and rinse, C/W insitu Nozzle
Flow IAW P&W MM, Replaced one bent Fuel manifold tube P#3011155 and Borescoped Hot section,
Power section and 1 st stage compressor No Defects Noted

I certify that this Engine has been inspected in
accordance with a Annual Inspection and was
determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired
and inspected in accordance with current Regulations of
Federal Aviation Agency, approved for return to service
Pertinent details of the repair are on file at the Agency

Work Order No. 18526 Date 1/12/2007

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



ENGINE SERVICE AND

DATE

*******MUNCIE AVIATION CO.CRS#AJVR135C*******

COMPLETE

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FORWAR

N700JD Date 3/20/2007 A/C 895.6 Hrs. TT

100 Hr Inspections C/W ref TBM Service manual chapter 5-20-01

Checked Fuel and Oil Filters, Performed compressor and T-Wheel wash and rinse,

EADS
SOCATA

I certify that this Engine has been inspected in accordance with a 100 Hr Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service. Pertinent details of the repair are on file at the Agency.

Work Order No. T8619 Date 3/20/2007

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141

MAC

*******MUNCIE AVIATION CO.CRS#AJVR135C*******

N700JD Date 1/18/2008 A/C 956.8 Hrs. TT

Annual/100 Hr Inspections C/W 1yr, 2yr, 4yr, and 1000hr special Insp C/W ref TBM Service manual chapter 5-20-01

Checked Fuel Filters, Performed compressor and T-Wheel wash and rinse/W insitu Nozzle

Flow IAW P&W MM. Replaced Main Oil Filter with new unit P/N 3059258-01

Engine Ground run ops. and leaked checked normal. Aircraft Test Flown.

I certify that this Engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service. Pertinent details of the repair are on file at the Agency.

Work Order No. T9215 Date 1/18/2008

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141

MAC

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MAINTENANCE RECORD

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REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Engine Model PT6A-64 SN PCE-PM0153
N700JD TBM700 AC Hour meter:1020.1
TTSN-1020.1 TCSN-UNK
TSO-1020.1 TCSO-UNK
POWER SECTION SN PS-PM0153
TTSN-1020.1 TCSN-UNK

StandardAero
1029 Ross Drive Maryville TN 37801
Approved FAA Repair Station # AEOR215N

- REMOVED PWR SECTION DUE TO PROPELLER STRIKE PER SOCATA TBM700 MM REV. JAN/06 AND PWC MM PN 3038321 REV. APR 11/2008, CHAPTER 72-00-00.

I certify that the work specified above was carried out in accordance with the FAA airworthiness regulations and with the respect to the work performed the Part(s) is (are) approved for return to service in accordance with FAR 43.9.

Pertinent details of the work performed are on file at this repair station under work order no SD691663. Date 18 Sept. 2008

George Salazar

PT6 Field Service Rep.

*******MUNCIE AVIATION CO.CRS#AJVR135C*******

N700JD Date 1/29/2009 A/C 1030.1 Hrs. TT
Annual/300 Hr Inspections C/W 1yr,400 Hr special Insp ref TBM Service manual chapter 5-20-03
Checked Fuel Filters, Performed compressor and T-Wheel wash and rinse
Removed Fuel Nozzles,Cleaned and Flow tested ok, rinstalled torqued and saftied
Borescoped HIS no defects noted,Replaced Alternator belt P/NZ00N7133601787, ←
See AD lising Dated 1/29/2009 for details
Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N700JD

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency,approved for return to service
Pertinent details of the repair are on file at the Agency
Work Order No. 19851 Date 1/29/2008

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE,IN 47308 765-289-7141



MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

*****MUNCIE AVIATION CO.CRS#AJVR135C*****

	DATE	A/C Hobbs	A/C TT	ETSOH	PTSOH	Cycles
N926VG	1/27/2010	1094	1094	1094	1094	677

Annual/100 Hr Inspection C/W 1&3 yr, special Insp. ref TBM Service manual chapter 5-20-02 & 5-20-05
C/W Compressor wash and T-wheel reinse IAW chapter 71-00-00 of P&W MM
Performed insitu Method of Fuel Nozzle cleaning IAW Chapter 71-00-00 of P&W MM
Checked metal filters and Ignitor plugs Ok
Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual/100 Hr Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P & W Ser.No PM0153

Model PT6A-64 Reg.Number N926VG

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service
Pertinent details of the repair are on file at the Agency
Work Order No. T0544 Date 1/27/2010

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141



*****MUNCIE AVIATION CO.CRS#AJVR135C*****

	DATE	A/C Hobbs	A/C TT	ETSOH	PTSOH	Cycles
N926VG	2/22/2011	1125.1	1125.1	1125.1	105	700

Annual/100 Hr Inspection C/W 1&3 yr, special Insp. ref TBM Service manual chapter 5-20-02 & 5-20-05
C/W Compressor wash and T-wheel reinse IAW chapter 71-00-00 of P&W MM Pg 711-715
Performed insitu Method of Fuel Nozzle cleaning IAW Chapter 71-00-00 of P&W MM Pg 716-720
Replaced heat exchanger bleed air tubes gasket P/N Z00N7422400002, reconnected and torqued couplings
Checked metal filters and Ignitor plugs Ok
Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual/100 Hr Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P & W Ser.No PM0153

Model PT6A-64 Reg.Number N926VG

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service
Pertinent details of the repair are on file at the Agency
Work Order No. T1217 Date 2/22/2011

Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141



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ENGINE SERVICE AND

*******MUNCIE AVIATION CO.CRS#AJVR135C*******

C/W 1 & 2 year special Inspections

	Date	Hobbs	A/C TT	Cycles
N926VG	5/1/2015	1212.8	1212.8	932

Annual/B+ Inspection C/W ref TBM Service manual chapter 5-20-02

C/W Compressor Wash and T-Wheel Rinse and Insitu Fuel Nozzle cleaning per P&W MM Ch 71

Replaced Fuel control outlet filter and cleaned inlet filter

C/W 10 year Mechanical fuel pump replacement with Overhauled P/N 1127-02 S/N 346

See AD Listing Dated 4-27-2015 Details

Ground check and run-up ok

I certify that this Engine has been inspected in accordance with a Annual/B+ Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N926VG

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service

Pertinent details of the repair are on file at the Agency

Work Order No. S001257 Date 5/1/2015

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



Date: 8/19/2015; Aircraft: N926VG; Type: TBM 700; S/N: 0264; Hobbs: 1225.0; Total Time: 1225.0; Engine - Type: PT6A-64, S/N: PCE-PM0153, Time: 1225.0; Prop - Type: HCE4N-3, S/N: HH3413, Time: 204.9; Turbine -, H/S Time: 0.6, Cycles: 945

*** Engine Work ***

Completed Socata NMP "C" Inspection / Annual inspection in accordance with FAR 43, Appendix D. Completed Pratt and Whitney Periodic inspection. Completed Minor, routine and 100 hr items. Replaced fuel outlet filter, inspected and cleaned fuel inlet screen. Checked and tested ignitors. Performed visual inspection / check in accordance with Pratt and Whitney Service Manual. Performed ground run and leak checks in accordance with Socata TBM 700mm and Pratt and Whitney Service Manual. Ground run for operational and leak checks good.

I certify that this engine has been inspected in accordance with a "C" / Annual inspection and determined to be in airworthy condition.



Dallas Airmotive, Inc.
F.A.A. CRS YRRR491L
7511 Lemmon Ave.
Hangar C
Dallas, TX 75209

Customer: Muncie Aviation Co. W.O: FS42705 Eng. Position: #1 Date: 8/2/2015

Model: PT6A-64 S/N: PCE PM0153 TSN: 1,212.8 CSN: 932 TSO: "NEW" CSO: "NEW"

Aircraft Info: Socata TBM 700, s/n 264, N926VG, TT: 1,212.8, TL: 932.

Performed borescope inspection of engine per Customer request. Damage noted to all 1st. Stage Compressor Blades with one exhibiting a tear in leading edge. No further damage noted to internal components at this time. Report with photos provided to Customer.

All work performed with reference to P&WC Maintenance Manual p/n 3038321, Rev. 40.1, dated Dec. 5, 2014, and other data and methods acceptable to the Administrator.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is NOT approved for return to service. Pertinent details of this repair are on file at this FAA Certificated Repair Station.

Work order: FS42705

Signature [Signature] 8/2/2015
William A. Craig, for Dallas Airmotive, Inc.



MAINTENANCE RECORD

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*****MUNCIE AVIATION CO. CRS#AJVR135C*****

N926VG
 DATE 5/5/2016 Hobbs 1236 Cycles 955
 Removed Fuel Nozzles #14, Borescoped performed By Dallas Airmotive and Pratt and Whitney, Reinstalled #14 Nozzle using new "O" rings and gasket, Torqued and Saftied.
 Ground run & leak check on No further action taken

Make Socata Ser.No. 264
 Model TBM700C Reg.Mark N926VG
 The aircraft/component identified above was repaired inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed Pertinent details of the repair are on file at the agency
 Work Order Number S001777 Date 5/5/2016
 Signed [Signature] Inspector for
 MUNCIE AVIATION CO. CRS#AJVR135C
 MUNCIE, IN 47308 765-289-7141

LICENCE
NUMBER



DallasAirmotive

A BBA Aviation company

Dallas Airmotive, Inc.
 F.A.A. CRS YRRR491L
 7511 Lemmon Ave.
 Hangar C
 Dallas, TX 75209

Customer: Muncie Aviation Co. W.O: FS46496 Eng. Position: #1 Date: 5/3/2016

Model: PT6A-64 S/N: PCE PM0153 TSN: 1,235.0 CSN: 955 TSO: "NEW" CSO: "NEW"

Aircraft Info: Socata TBM 700, s/n 264, N926VG, TT: 1,235.0, TL: 955.

Performed Light Blend Repair of 1st Stage Compressor Blades per Customer request. Light damage reported to most 1st Stage Compressor Blades by Customer, comprised of all minor nicks with no tearing noted. All Blades affected were repaired with less than .005" removal of leading edge material. No further damage noted to internal components at this time. MM Chapter 72-30-05 Para. 6 referenced for repair.

All work performed with reference to P&WC Maintenance Manual p/n 3038321, Rev. 43.0, dated Mar. 7, 2016, and other data and methods acceptable to the Administrator.

Performance ground run required for approval of engine for return to service.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is NOT approved for return to service. Pertinent details of this repair are on file at this FAA Certificated Repair Station.

Work order: FS46496

Signature [Signature] DA 072 5/3/2016
 William A. Craig, for Dallas Airmotive, Inc.

*****MUNCIE AVIATION CO. CRS#AJVR135C*****

C/W 1,3 & 5 year special Inspections per 05-20-00

N926VG
 Date 6/3/2016 Hobbs 1236 A/C TT 1236 Cycles 951

Annual/A+ Inspection C/W ref TBM Service manual chapter 5-20-02

C/W Compressor Wash and T-Wheel Rinse and Insitu Fuel Nozzle cleaning per P&W MM Ch 71

Replaced Fuel control outlet filter and cleaned inlet filter

C/W SB70-211 Mechanical pump outlet union per instructions

C/W SB70-213 Engine Drainage System per instructions

C/W P&W SB14474 R1 Oil discoloration determined oil a Category #3 No Further action taken

Performed Oil Patch Test Sent to AVLAB results were Normal

See AD Listing Dated 5/31/2016 Details

Ground check and run-up ok

I certify that this Engine has been inspected in accordance with a Annual/A+ Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-PM0153

Model PT6A-64 Reg.Mark N926VG

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service Pertinent details of the repair are on file at the Agency

Work Order No S001795 Date 6/3/2016

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE IN 47308 765-289-7141

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ENGINE SERVICE AND



✓ FAA CRS # URZR891L / EASA.145.5152

SOCATA North America, Inc.
601 NE 10th Street
Pompano Beach, FL 33060

Date : 06/05/2018 Serial Number : 264 Registration : N700LG Aircraft type : TBM 700
Meter Time: 1407.7 Hobbs Time Since New : 1407.7 Cycle Since New : 1069 Work Order : 6357

- Eng. PT6A-64 S/N. PCE-RM-0153 TSN. 1407.7 CSN. 1069.
- Performed a Standard Program - C+/Annual inspection IAW TBM Maintenance manual chapters 05-20-04/05-20-05. 14 CFR 91.409(a)(1) and Part 43 Appendix D.
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found.
- Performed engine minor inspection IAW P&WC maintenance manual chapter 72-00-00 Par. 8 Table 601, no defect noted.
- Performed ultrasonic cleaning P3 filter. Cleaned/Inspected P3 filter drain valve housing assy and P3 filter bowl. Re-installed with new O-rings.
- Cleaned, inspected and re-installed oil filter with new O-rings.
- Inspected AGB scavenge pump inlet screen IAW P&WC Maintenance manual chapter 72-60-00, Par. 6-D, no foreign material found. ←
- Performed bridge check and continuity of chip detectors, no defect noted.
- C/W 400 hrs. Removed and sent fuel inlet nozzle P/N 3119856-01 S/N 30604-03 and fuel duplex nozzles P/N 3119855-01 for inspection and flow test by SouthEast Turbines CRS # E7BR2310, W.O. TS7183, date 21/May/2018 and re-installed with new pre-formed packings and gaskets IAW Pratt & Whitney maintenance manual chapter 73-11-05. C/W SB 13486, SB 14357R2, SB 14495 at this shop visit.
- In conjunction with fuel nozzles removal, performed a borescope inspection of hot section, no defect noted.
- C/W P&WC SIL PT6A-213 Inspected compressor inlet case, no corrosion found. Applied approved corrosion inhibitor compound "Corrosion X" on inlet case area as required IAW P&WC EMM Section 72-00-00 as specified in P&WC Service Information Letter No. PT6A-213.
- Performed compressor, turbine recovery wash IAW Pratt & Whitney maintenance manual chapter 71-00-00.
- Installed new igniter gaskets 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 In Accordance With EASA 145.A.50 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. # 6357,

Date : 06/05/2018 Signature: K. Phongsavath Kam Phongsavath
CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repared in accordance with "C +" inspection per Socata MM & Far 43 and IAW EASA-145 and determine to be in Airworthy condition. Pertinent details on file under W.O # 6357 and copy given to customer.

Aircraft T.T : 1407.7 Engine T.T : 1407.7 Prop T.T : 74.2

Signature : K. Phongsavath Kam Phongsavath

Date : 06/05/2018 CRS # URZR891L / EASA 145.5152

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MAINTENANCE RECORD

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Model PT6A-64
S/N # PM0153
Reg. # N700LG
CSN 1245

Atlanta Turbine Management
500 Briscoe Blvd
Lawrenceville, Georgia 30046

Date: 6/12/19
TSN 1672.4
Hobbs 1672.4
Invoice 7406

ENCE
MBER

- ◆ C/W an A + Annual inspection I.A.W TBM 700 M/M and 14 CFR part 43 appendix D.
- ◆ All A.D.'s in compliance Bi Weekly 2019-12.
- ◆ Performed a Hot section inspection due to over temp recorded 853 for 78 seconds on 7/16/18.
- ◆ Removed Hot section components and sent to Dallas Airmotive for inspection under their WO # RPR52377. Replaced Ct bolt with new P/N 3111764-01. Reinstalled all components IAW PT6A M/M.
- ◆ Complied with a compressor wash IAW PT6A M/M.
- ◆ Treated inlet case with corrosion X as needed.
- ◆ Adjusted high Idle speed to 69% Ng, and safetied as needed.

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.

I certify this **Engine** has been Inspected IAW an **Annual inspection** and has been found to be in Airworthy condition.

Josh Lench

A&P138745785IA

TBM

SERVICE CENTER

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N700LG Pratt & Whitney PT6A-64 SN: PCE-PM0153 Engine Log Entry
19 August 2019 Hobbs: 1722.5

Cleaned front of engine and cowling. Ground run up to check for an oil leak. No oil leak detected.
Corrected fuel leak at fuel flow divider as needed. Applied developer to reduction gear box area and ground run up again, no oil leak found. Reinstalled cowling with two new fasteners.

Scott L. Utz A&P3442269

w/o 40472

AVEX Inc.

C.R.S. X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A - 64 S/N PM0153 N700LG

Work Order: 15284 TTSN: Date: 8/22/2019

Tach: Hobbs: 1723.7 TCSN: TSO: CSO:

1. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.
2. Checked for exceedances. The Shadin panel mounted indicator had both one (1) airframe and one (1) engine exceedance logged. No recorded exceedances were present on the Shadin key when viewed with the FleetView program. The airframe VMO exceedance occurred on 09 August 17: IAS was 267 for 4 seconds. Conducted VMO Limitation Overshoot Inspection/Check I.A.W. Daher MM Chapter 05. The engine ITT exceedance occurred on 16 July 18: 853 degrees Celsius for 78 seconds. Log book entry on 06/12/19 documents compliance with required hot section inspection. No further action required. Exceedances were erased I.A.W. Shadin Operations Manual OM3230-1-08.
3. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No changes noted between pre and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 15284.

K. M. 7/11  08/22/19

Date

(LBID:15768)

For: FAA Approved Repair Station # X1IR595Y

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

Page 1 of 2

AVEX, Inc.

C.R.S. X1ID595Y

11804 Corporate Way Broomfield, CO 80021 (720) 399-8008 Fax: (720) 541-9001

ENGINE	Pratt & Whitney PT6A - 64	S/N PM0153	N700LG
Work Order:	15953	TTSN: 1937.1	Date: 7/24/2020
Tach:	Hobbs: 1937.1	TCSN: 1416	TSO: CSO:

1. Complied with a "B" Inspection plus Annual I.A.W. Daher MM Chapters 05-20-03 and 05-20-05 and Pratt & Whitney PT6A-64 MM. All AD's checked through revision 2020-14; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.
3. Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72-00-00 Table 601.
4. AD 2012-09-10, PMA parts installed in engine reduction gearbox after 12/22/08, does not apply due to no record of the affected parts installed after 12/22/2008.
5. Complied with 1000 hour replacement of the engine oil filter with new I.A.W. Pratt and Whitney PT6A-64 MM Chapter 79.
6. Complied with the 1000 hour replacement of the P-3 filter with new I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73.
7. Complied with the 600 hour replacement of the engine high pressure fuel pump outlet filter with new and the 600 hour check and cleaning of the fuel pump inlet screen I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73.
8. Complied with the 400 hour cleaning and flow check of the engine fuel nozzles per Dallas Airmotive APO 12298. Installed the aircraft fuel nozzles P/N 3023670 S/N 1415 after cleaning and flow check I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73. Op and leak checks good.
9. Complied with the 400 hour borescope inspection of the hot section I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No defects found at this time.
10. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-64 MM Chapter 71.
11. During propeller hand rotation there is a loud rubbing sound in the power section. Removed power

AVEX, Inc.

C.R.S. X1ID595Y

Page 2 of 2

11804 Corporate Way Broomfield, CO 80021 (720) 399-8008 Fax: (720) 541-9001

ENGINE	Pratt & Whitney PT6A - 64	S/N PM0153	N700LG
Work Order:	15953	TTSN: 1937.1	Date: 7/24/2020
Tach:	Hobbs: 1937.1	TCSN: 1416	TSO: CSO:

section and Pt stator housing and found light rub; condition is acceptable. Re-clocked Pt vane ring and re-assembled power section I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. Ops checked propeller rotation with normal conditions observed.

12. During inspection of fuel inlet filter, found inlet screen cover damaged. Removed and replaced inlet screen cover with new I.A.W. Pratt and Whitney MM PT6A-64 Chapter 73.
13. During borescope inspection of the 1st stage compressor, found multiple blades with nicks. Performed full blend I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.
14. Checked for exceedances. Noted the following engine ITT exceedance recorded on the Shadin Engine exceedance page: 12Jun20, 804 degrees, Duration 15 seconds. The ITT exceedance was plotted on the Temperature Limits chart I.A.W. Pratt & Whitney PT6A-64 MM, chapter 71; figure 501 falling into the "No Action Required" category. No further action required at this time.
15. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.
16. Oil sample sent to Pratt & Whitney for analysis I.A.W. Pratt and Whitney PT6A-64 MM Chapter 79
17. Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No changes noted between pre and post maintenance.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 15953.

7-24-20

Date

For: FAA Approved Repair Station C.R.S. X1 Y

(LBID:16868)

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

8

DallasAirmotive		Engine Log Book Entry 2988 West Walnut Hill Lane DFW Airport, TX 75261		Work Order Number: FLD11243	Date: 3/24/2021
Aircraft Type: Daher TBM700	Aircraft Registration Number: N700LG	Aircraft Serial Number: 264	Aircraft Total Time: 2064.4		
Engine S/N: PCE-PM0153	Engine Model: PT6A-64	Engine Position: Center	Aircraft Total Landings: 1496		
Engine Time Since New (TSN): 2064.4	Engine Cycles Since New (CSN): 1496	Time Since Overhaul (TSO): N/A	Cycles Since Overhaul (CSO): N/A		

Work Performed: *Performed a pre-purchase borescope evaluation for general condition. The hot section condition is satisfactory for time in service, no defects noted as visible. The 1st stage compressor blade condition is satisfactory for time in service, no defects noted as visible. A report with pictures has been provided to the customer. The customer will install the 12 o clock fuel nozzle and cowlings at a later date. with reference to Pratt and Whitney Canada MM 3038321 Rev. 51.0 Dated October 12, 2020 other data and methods acceptable to the administrator.*

This certifies that the work requested by the customer and described on the sales order listed above was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certificated Repair Station

Signature
DAL
281
 Paul McKinny for Dallas Airmotive
 FAA CRS # YRRR491L

Given the nature of borescope instrumentation it is often not possible to make observations and examine all areas of an individual engine as part of an evaluation. Based on this limitation, Dallas Airmotive, Inc. cannot and does not warrant its findings for borescope evaluations (pre-purchase and otherwise) against the possibility that hidden damage may exist that was not observable and reported by our technician at the time of the evaluation.

Model PT6A-64
 S/N # PM0153
 Reg. # N700LG
 CSN 1496

Atlanta Turbine Management
500 Briscoe Blvd
Lawrenceville, Georgia 30046

Date: 6/10/21
 TSN 2064.4
 Hobbs 2064.4
 Invoice 7578

- ◆ C/W an A+ Annual Inspection IAW TBM MM. 91.409(A)(1). 14 CFR part 43 appendix D.
- ◆ All A.D.'s in compliance through Bi weekly 2021-12.
- ◆ C/W a 12 mo. 200 hour compressor wash IAW PT6A MM.
- ◆ Applied corrosion inhibitor treatment, corrosion X to inlet case IAW PT6 Sil-213.

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.

I certify this **Engine** has been Inspected IAW an **Annual inspection** and has been found to be in Airworthy condition.

A&P138745785IA

TBM
SERVICE CENTER

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

Model PT6A-64
S/N # PM0153
Reg. # N700LG
CSN 1623

Atlanta Turbine Management
500 Briscoe Blvd
Lawrenceville, Georgia 30046

Date: 04/12/22
TSN 2264
Hobbs 2264
Invoice 7707

OR COMPLETE

- ◆ C/W a B+ Annual Inspection IAW TBM MM. 91.409(A)(1). 14 CFR part 43 appendix D.
- ◆ All A.D.'s in compliance through Bi weekly 2022-07.
- ◆ C/W a 12 mo. 200 hour compressor wash IAW PT6A MM.
- ◆ Applied corrosion inhibitor treatment, corrosion X to inlet case IAW PT6 Sil-213.

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.

I certify this **Engine** has been Inspected IAW an **Annual inspection** and has been found to be in Airworthy condition.

Joseph Lewis

A&P138745785IA
TBM
SERVICE CENTER

Model PT6A-64
S/N # PM0153
Reg. # N700LG
CSN 1755

Atlanta Turbine Management
500 Briscoe Blvd
Lawrenceville, Georgia 30046

Date: 05/26/23
TSN 2491.2
Hobbs 2491.2
Invoice 7826

- ◆ C/W an A+ Annual Inspection IAW TBM MM. 91.409(A)(1). 14 CFR part 43 appendix D.
- ◆ All A.D.'s in compliance through Bi weekly 2023-11.
- ◆ C/W a 12 mo. 200 hour compressor wash IAW PT6A MM.
- ◆ Applied corrosion inhibitor treatment, corrosion X to inlet case IAW PT6 Sil-213.
- ◆ Sent oil filter debris out for analyzing by AVlabs
- ◆ Performed an engine, external was as req'd.
- ◆ Performed oil change and flush. Serviced with 12 qts. of Aeroshell 560. Provided results to C first under case # PWC-271943. Since no chip detector annunciation occurred, followed procedures in EMM 72-00 and fault isolation para E. and chart fig 105 sheet 4 for continuing operation of this engine.
- ◆ Installed new engine oil filter P/N 3034292WFC.
- ◆ Performed an engine, external was as req'd.

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.

I certify this **Engine** has been Inspected IAW an **Annual inspection** and has been found to be in Airworthy condition.

Joseph Lewis

A&P138745785IA
TBM
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CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

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