

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

SIGNATURE

LICENCE  
NUMBER



**Midwest Malibu Center**

Specializing in the PA46  
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Engine

Log REG N31062 MODEL PT6A-42A SERIAL PCE-RM0227 HOBBS 1280.0

1-25-2018 Performed 400 hr borescope inspection. No defects noted. Performed operations checks. Operations satisfactory.

Tony Beauchamp A&P



200 Airport Drive, Westminster, Maryland 21157

Phone: (410) 574-4144 / Fax: (410) 848-6451

Engine Log Entry		N31062	W/O: DMW-103412	Date: June 6, 2018
Aircraft: PA-46-500TP	S/N: 4697208	ACTT: 1318.8	HOBBS: 1318.8	ACSN: 1145
Engine: PT6A-42A	S/N: PCE-RM0227	ETSN: 1318.8	ETSO: -----	ECSN: 1145

**Performed a 100-HOUR Inspection:**

- Performed an annual/100 hour inspection of this engine IAW 14 CFR Part 43, 43.15 and appendix D (as applicable). Utilized the following checklists: Piper PA-46-500TP MM chapter 05-20-00 Events #1 and #2 Inspection Worksheets; and P&WC PT6A-42A MM chapter 72-00-00, Periodic Inspection.

**Complied with the following Special Inspections per Chapter 05-30-00:**

- C/W 1 year/600 hour chip detector inspection.
- C/W 100 hour chip detector continuity check.
- C/W 100 hour FCU manual override system static operational check.
- C/W 100 hour FCU/reverse cam linkage and rod end inspection.
- C/W 100 hour oil filter inspection/cleaning.
- C/W 100 hour P3 filter and filter drain valve inspection and cleaning.
- C/W 100 hour power recovery and turbine wash.
- C/W 100 hour spark igniter inspection and functional check.
- C/W 600 hour engine fuel pump outlet filter replacement by installing a new filter p/n AN6235-3A.

**Complied with the following Airworthiness Directives:**

- AD notes checked thru bi-weekly 2018-10. See AD log dated June 6, 2018.

**Completed the following additional items:**

- Inspected engine compressor section inlet housing for corrosion and applied corrosion inhibitor IAW P&WC PT6A-42A MM chapter 72-00-00 Section 5. No corrosion noted at this time.
- Justified and deleted the following torque and oil pressure exceedances IAW Pratt & Whitney PT6A-42A MM chapter 71-00-00 Table 506 and figure 504. Exceedance data was sent to the manufacturer to be stored in the aircraft's file.

Parameter	Start time	Date	Duration	Peak
Torque	15:22:54	04/19/18	00:01:04	1335.16 Lb-Ft
Torque	15:22:24	04/19/18	00:00:16	1331.87 Lb-Ft
Oil Pres	13:07:48	03/15/18	00:00:27	139 Psi
Oil Pres	XX:XX:XX	XXXXXXXX	00:00:33	140 Psi
Oil Pres	XX:XX:XX	XXXXXXXX	00:00:15	139 Psi
Oil Pres	XX:XX:XX	XXXXXXXX	00:00:34	141 Psi
Oil Pres	XX:XX:XX	XXXXXXXX	00:00:11	136 Psi
Torque	12:28:35	07/29/17	00:00:07	1371.26 Lb-Ft
Torque	00:08:12	03/21/17	00:00:08	1339.26 Lb-Ft
Torque	22:11:38	03/16/17	00:00:10	1305.67 Lb-Ft
Torque	17:10:05	10/20/15	00:00:35	1343.36 Lb-Ft
Torque	19:09:18	06/05/15	00:00:05	1377.01 Lb-Ft
Torque	19:05:24	06/05/15	00:00:05	1428.71 Lb-Ft

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

**MAINTENANCE RELEASE**

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under Work Order No: DMW-103412

Signed \_\_\_\_\_ for Skytech, Inc., 200 Airport Dr., Westminster, MD 21157.

CRS# LF1R294K

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.

# ENGINE SERVICE AND



200 Airport Drive, Westminster, Maryland 21157

Phone: (410) 574-4144 / Fax: (410) 848-6451

DATE

BROUGHT  
FORWARD

COMPLETE

Engine Log Entry	N31062	W/O: DMW-103811	Date: June 14, 2019		
Aircraft: PA46-500TP	S/N: 4697208	ACTT: 1390.0	HOBBS: 1390.0	ACSN: 1203	
Engine: PT6A-42A	S/N: PCE-RM0227	ETSN: 1390.0	ETSO: -----	ECSN: 1203	

**Performed a 100-HOUR Inspection:**

- Performed an annual/100 hour inspection of this engine IAW 14 CFR Part 43, 43.15 and appendix D (as applicable). Utilized the following checklists: Piper PA-46-500TP MM chapter 05-20-00 Events #1 and #2 Inspection Worksheets; and P&WC PT6A-42A MM chapter 72-00-00, Periodic Inspection.

**Complied with the following Special Inspections per Chapter 05-30-00:**

- C/W 1 year/600 hour chip detector inspection.
- C/W 100 hour chip detector continuity check.
- C/W 100 hour FCU manual override system static operational check.
- C/W 100 hour FCU/reverse cam linkage and rod end inspection.
- C/W 100 hour oil filter inspection/cleaning IAW P&WC PT6A-42A MM chapter 72-00-00.
- C/W 100 hour P3 filter and filter drain valve inspection and cleaning IAW P&WC PT6A-42A MM chapter 72-00-00.
- C/W 100 hour spark igniter inspection and functional check.
- C/W 100 hour power recovery and turbine wash.
- C/W 600 hour engine fuel pump outlet filter replacement by installing a new filter p/n AN6235-3A IAW P&WC PT6A-42A MM chapter 72-00-00.

**Complied with the following Airworthiness Directives:**

- None applicable at this time. AD Notes researched thru bi-weekly 2019-11.

**Completed the following additional items:**

- Inspected engine compressor section inlet housing for corrosion and applied corrosion inhibitor IAW P&WC PT6A-42A MM chapter 72-00-00 Section 6. No corrosion noted at this time.
- Installed new vacuum hose p/n 101558-005 IAW Piper PA-46-500TP MM chapter
- Justified the following torque exceedances IAW Pratt & Whitney PT6A-42A MM chapter 71-00-00 Table 506 and figure 504. No action required:
 

Date	Time started	Parameter	Peak	Duration
5/15/19	15:48	Torque	1495 FT LB	00:00:32
8/07/19	16:02	Torque	1345 FT LB	00:00:11

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

**MAINTENANCE RELEASE**

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under **Work Order No. DMW-103811**

Signed \_\_\_\_\_ for Skytech, Inc., 200 Airport Dr., Westminster, MD 21157.

CRS# LF1R294K



200 Airport Drive, Westminster, Maryland 21157

Phone: (410) 574-4144 / Fax: (410) 848-6451

Engine Log Entry	N31062	W/O: DMW-226	Date:		
Aircraft: PA46-500TP	S/N: 4697208	ACTT: 1449.5	HOBBS: 1449.5	ACSN: 1258	
Engine: PT6A-42A	S/N: PCE-RM0227	ETSN: 1449.5	ETSO: -----	ECSN: 1258	

**Performed a 100-HOUR Inspection:**

- Performed an annual/100 hour inspection of this engine IAW 14 CFR Part 43, § 43.15 and appendix D (as applicable). Utilized the following checklists: Piper PA-46-500TP MM chapter 05-20-00 Events #1 and #2 Inspection Worksheets; and P&WC PT6A-42A MM chapter 72-00-00, Periodic Inspection.

**Complied with the following Special Inspections per Chapter 05-30-00:**

- C/W 100 hour power recovery and turbine wash IAW Piper PA-46-500TP MM chapter 12-00-00 and P&WC PT6A-42A MM chapter 71-00-00.
- C/W 1 year/600 hour chip detector inspection IAW P&WC PT6A-42A MM chapter 79.
- C/W 100 hour chip detector continuity check IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour FCU manual override system static operational check IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour FCU/reverse cam linkage and rod end inspection IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour oil filter inspection/cleaning IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour P3 filter and filter drain valve inspection and cleaning IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour power recovery and turbine wash IAW Piper PA-46-500TP MM chapter 12-00-00 and P&WC PT6A-42A MM chapter 71-00-00.
- C/W 100 hour spark igniter inspection and functional check IAW P&WC PT6A-42A MM chapter 74.
- C/W 1000 hour AGB scavenge oil pump inlet screen inspection IAW P&WC PT6A-42A MM chapter 72-60-00.

**Complied with the following Service Bulletins (SB's):**

TOTAL THIS

TOTAL FOR

PREVIOUS SU

TOTAL  
SINCE MFG.

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ENTRIES

- C/W P&WC SB 3501 Oil to Fuel Heater Replacement/Modification dated June 14, 2019 by removing oil to fuel heater p/n 10585K s/n WA21761 and installing a overhauled oil to fuel heater p/n 10994A s/n WA55256 ( supplied by Meggit (Troy), Inc. FAA Repair Station # S1WR141N, W/O# 4503833191 Dated June 10, 2020) IAW P&WC PT6A-42A MM chapter 73-10-01.

**Complied with the following Airworthiness Directives:**

- None applicable at this time

**Completed the following additional items:**

- Inspected engine compressor section inlet housing for corrosion and applied corrosion inhibitor IAW P&WC PT6A-42A MM chapter 72-00-00 Section 6. No corrosion noted at this time.
- Obtained engine oil sample and submitted to lab for evaluation.
- Cleared the following engine exceedances. These were justified at the last annual inspection and clearance was authorized by the owner at that time:

Date	Time started	Parameter	Peak	Duration
5/15/19	15:48	Torque	1495 FT LB	00:00:32
8/07/19	16:02	Torque	1345 FT LB	00:00:11

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

**MAINTENANCE RELEASE**

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under **Work Order No: DMW-226**

Signed \_\_\_\_\_ for Skytech, Inc., 200 Airport Dr., Westminster, MD 21157.

CRS# LF1R294K

LICENCE  
NUMBER

MAXIMUM HOURS BETWEEN OVERHAULS \_\_\_\_\_ HOURS.