



DES MOINES
FLYING SERVICE

INTERNATIONAL AIRPORT
PO BOX 35126 - DES MOINES, IOWA 50315-
0302 TELEPHONE (515) 256-5300 - FAX (515)
256-5537

dmfs.com

12/11/2024

N277WT

PIPER PA46-500TP

SN 4697286

HOBBS:

1612.7

TOTAL:

1612.7

ENGINE	MAKE	MODEL	SERIAL №	TOTAL	TSO	TSHSI
	PRATT & WHITNEY	PT6A-42A	PCE-RM0307	1612.7		525.6

Complied with an annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 07/31/2019, chapter 5-20-00 Inspection Checklist

1. Complied **Piper SL 1110A** dated 03/28/2008 and Pratt & Whitney SIL PT6A-144 R1 compressor recovery wash and the turbine washes.
2. Complied with **500 hour** oil scavenge screen cleaning , found everything ok at this time
3. Remove and replaced both engine igniters PN 34055.

I certify that this **Engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order № **22785**.

Date Signed 12/11/2024:

Paul Cawthorn

INSP.
#4

Des Moines Flying Service,

FAA CRS G9CR485J



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12/20/2023 N277WT PIPER PA46-500TP SN 4697286
HOBS: 1450.3 TOTAL: 1450.3

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSO	TSHSI
	PRATT & WHITNEY	PT6A-42A	PCE-RM0307	1450.3		363.2

Complied with an annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 07/31/2019, chapter 5-20-00 Inspection Checklist

1. FCU PN 4138014-2 SN C82441 removed and sent to P&W for 6 Year overhaul, reinstalled overhauled F.C.U. PN 4138014-2 SN C82441 see Pratt & Whitney W.O. 6436223-0020 for details. Installed I/AW Piper PA46-500TP AMM chapter 73-20-00 and 76-10-00.
2. Complied with one year engine mount inspection, no defects noted at this time.
3. Complied with 300 hour removal, cleaning, and inspection of the starter generator IAW Piper PA-46-500TP AMM 24-30-00. Brushes found to have over half life left measuring at 1.057 inches. Terminal continuity checks satisfactory. Next due at 1750.3 hours TTIS.
4. Complied with 200 hour Fuel Nozzle Test and Inspection IAW Pratt and Whitney Maintenance Manual No. 3021442 chapter 73-10-05. Removed nozzles, inspected for defects, performed functional test, and reinstalled using new gaskets and o-rings. No defects noted at this time.
5. Complied with 200 hour Borescope Inspection of the hot section IAW Pratt and Whitney Maintenance Manual No. 3021442 chapter 72-00-00. While nozzles were removed for Fuel nozzle Test, the compressor turbine blades and stator vanes were inspected. No defects noted at this time.
6. Dressed engine 1ST stage compressor blades with abrasive stone.
7. Installed new A/C belt P/N: 73965-024 and tensioned A/C and alternator belts.

I certify that this **Engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No **22357**.

Date Signed 11/11/2022:

Matt Weston

FAA CRS G90R488J

Des Moines Flying Service,

AME
ACA/AMO
SCA/AMO



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11/11/2022 N277WT PIPER PA46-500TP SN 4697286
HOBS: 1222.8 TOTAL: 1222.8

ENGINE	MAKE	MODEL	SERIAL №	TOTAL	TSO	TSHSI
	PRATT & WHITNEY	PT6A-42A	PCE-RM0307	1222.8		135.7

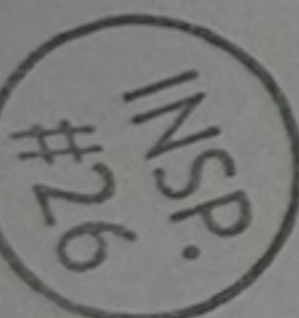
Complied with an annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 07/31/2019, chapter 5-20-00 Inspection Checklist

1. Complied **Piper SL 1110A** dated 03/28/2008 and Pratt & Whitney SIL PT6A-144 R1 compressor recovery wash and the turbine washes.
2. Complied with **VSP 257** dated 2-15-2017 and **P&W SB 3490** dated 1-16-2017 by added PY air pressure tube support bracket
3. Complied with **300 hour** starter-generator inspection found brushes ok at this time and found everything else ok at this time, installed new o-ring on shaft
4. Complied with **500 hour** oil scavenge screen cleaning, found everything ok at this time
5. Complied with **1000 hour** replacement of engine P3 filter P/N WF336238
6. Complied with **8 year / 3600 hour** engine hoses and gear well hydraulic hose replacement
7. Replaced fuel/oil heater with overhauled unit P/N 10994A S/N WA45401. Maintenance release tag dated 1-20-2022 by Meggitt Troy Inc.
8. Borescope engine hot section, took pictures on file with DMFS.
9. Dressed 1st stage air inlet compressor blades
10. Tighten alternator and air conditioner belts

I certify that this **Engine** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order № **21943 and 21946**

Date Signed 11/11/2022:

K9 J20



Kurt Gabriel

Des Moines Flying Service,

FAA CRS G9CR485J

Details of task