

Volume #: 1

Opened on: 16 MAR 2012

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 6 PT6A- 34A8 B/S: 975

3. Serial Number PCE- PH 0 759

Signature

AME
ACA/AMO
SCA/AMO

N 502KJ Hobbs 1902.1 Date 7/27/18

Performed 100 Hr inspection. Removed engine oil filter, inspected, cleaned and reinstalled with new orings. Removed and reinstalled new primary HP pump fuel filter and cleaned secondary fuel screen. Reinstalled and saftied. Installed new firewall fuel filter. Lubed prop. Inspected starter/gen brushes. Inspected engine rigging and engine mounts and adjacent areas. Inspected air filter and cleaned. Cleaned, washed engine area and lubed engine controls and ground ran, leak check ok

Kurt Franklin

END

Aurora Aerial
Kurt Franklin -

Date	Tach	Engine Model	Engine S/N	Aircraft
1/1/2019	2045.2	PT6A-34AG	PCE-PH0759	N502KJ
Engine Total Time	TSOH	Engine Total Cycles	Starts	Flights
2045.2	NA		435	2544

Component	P/N	S/N	Total Cycles	Cycles Remaining	Cycle Limits
Disk, Compressor 2nd	3013712	A0034CX6	1,139.54	22,860.46	24,000
Disk, Compressor 3rd	3011713	A0034DXP	968.18	24,031.82	25,000
Disk, Compressor Turbine	3013411	YUAA010A069	1,130.33	14,869.68	16,000
Disk, Power Turbine 1	3026812	YUAA010A405	645.90	23,354.10	24,000
Hub, Compressor 1st	3013111	RWA46D855	368.42	18,631.58	19,000
Impeller, Centrifugal	3013176	EAAC000P698	789.44	18,210.57	19,000

N502KJ Hobbs - 2045.2 Date - 1/1/2019 Start Gen TSO - TSO 601.3

Removed, cleaned and inspected engine hp fuel pump filters and installed new as required. Installed new firewall fuel filter. Installed new oil filter. Sent oil sample for analysis. Inspected chip detector, fireseals, engine linkages and all associated parts. No discrepancies noted. Removed, cleaned and pattern checked 14 fuel nozzles and reinstalled using new gaskets and orings and saftied. Borescoped hot section and all related components and first stage engine inlet compressor, no discrepancies noted at this time. Service AC drive unit quill shaft and installed new bearing. Changed engine oil and serviced with BP2380 oil. Installed continued time start/gen P/N 23048-023, S/N 98066. Cleaned engine compartment and lubed all engine controls. Ground ran and leak checked ok

Caleb Merchant and

N 502KJ Hobbs 2177.3 Date 7/25/19

Performed 100 Hr inspection. Removed engine oil filter, inspected, cleaned and reinstalled with new orings. Removed and reinstalled new primary HP pump fuel filter and cleaned secondary fuel screen. Reinstalled and saftied. Installed new firewall fuel filter. Lubed prop. Inspected starter/gen brushes. Inspected engine rigging and engine mounts and adjacent areas. Inspected air filter and cleaned. Cleaned, washed engine area and lubed engine controls and ground ran, leak check ok

NAME- Steve Voss

CERT#

END

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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Aurora Aerial
Kurt Franklin - [REDACTED]

Date	Tach	Engine Model	Engine S/N	Aircraft
11/1/2019	2305.6	PT6A-34AG	PCE-PH0759	N502KJ
Engine Total Time	TSOH	Engine Total Cycles	Starts	Flights
2305.6	na		560	3392

Component	P/N	S/N	Total Cycles	Cycles Remaining	Cycle Limits
Disk, Compressor 2nd	3013712	A0034CX6	1,498.11	22,501.89	24,000
Disk, Compressor 3rd	3011713	A0034DXP	1,272.83	23,727.17	25,000
Disk, Compressor Turbine	3013411	YUAA010A069	1,475.60	14,524.40	16,000
Disk, Power Turbine 1	3026812	YUAA010A405	843.20	23,156.80	24,000
Hub, Compressor 1st	3013111	RWA46D855	484.35	18,515.65	19,000
Impeller, Centrifugal	3013176	EAAC000P698	1,047.28	17,952.72	19,000

N502KJ Hobbs - 2305.6 Date - 11/1/2019 Start Gen TSO - TSO 861.7 Prop TSN - 600.1

Removed, cleaned and inspected engine hp fuel pump filters and installed new as required. Installed new firewall fuel filter. Installed new oil filter. Sent oil sample for analysis. Inspected chip detector, fireseals, engine linkages and all associated parts. No discrepancies noted. Removed, cleaned and pattern checked 14 fuel nozzles and reinstalled using new gaskets and orings and saftied. Borescoped hot section and all related components and first stage engine inlet compressor, no discrepancies noted at this time. Service AC drive unit quill shaft and installed new bearings bearings. Changed engine oil and serviced with BP2380 oil. Cleaned engine compartment and lubed all engine controls. Ground ran and leak checked ok.

Kurt Franklin [REDACTED] end

502KJ
N# ~~2349.8~~

Hobbs 2389.8

Date 7/24/2020

Performed 100Hr Inspection. Removed engine oil filter, inspected, cleaned, and reinstalled with new orings. Removed and reinstalled new primary HP pump fuel filter and secondary fuel screen. Reinstalled and saftied. Installed new firewall fuel filter. Lubed prop. Inspected starter/gen brushes Inspected engine rigging and engine mounts and adjacent areas. Inspected air filter and cleaned. Washed engine area and lubed engine controls and ground ran, leak check ok.

Signature [REDACTED]

END [REDACTED]