

Section 1: Record of engine maintenance and elementary work

04/20/2023

TSO: 0.0

CSN: 5756

CSO: 0.0

TSN: 4680.7

Installed overhauled Engine PT6A-34 SN-PCE-RB0388 on this date.

Installed this Engine onto N535KT a DHC-2 Mk.III airframe SN- 1665-TB37

The Engine came from Standard Aero (WO# 41-42970 dated 12/21/2021) with the following overhauled or new accessories installed.

Fuel Dump Valve PN- 30134794 Sn-9959513399

Fuel Pump PN-3034794 Sn-02691

Fuel Control Unit PN-3244809-8 Sn-F26519

The following were installed during engine install.

Prop Governor PN- 8210-002-01 Sn-15738600 Overhauled by Aircraft Accessories of Oklahoma, see 8130 dated 05-04-2022 for details.

Overspeed Governor PN- 210628 SN-1149397, Overhauled by Aircraft Accessories of Oklahoma, see 8130 dated 06/01/2022

Ignition exciter PN-10-381550-4 Overhauled by Thrust-Tech, Inc. See 8130 dated 08/03/2015 for details.

Oil Cooler PN- 8001467 overhauled by Pacific Oil Cooler, see 8130 dated 01/13/2020 for details.

Installed a Serviceable Stater gen adapter PN-23046-521

Installed Starter Gen PN-23048-009 SN-9067 Overhauled by Freedom Aero Services Inc. See 8130 dated 03/09/2022 for details.

New bonding straps were installed. New fire seal was installed. New VALTB1021-1 exhaust stacks were installed. Installed new Hutchinson vibration isolators type 7350721-7, and new attaching hardware were used.

Preservative oil and fuel were purged in accordance with P&W Maintenance Manual 3021242 Chapter 72-00-00 Para. D and E.

Propeller was installed using new o ring. Serviced engine with Eastman 2380 Turbo oil. Pre-oiled engine. Test ran engine and leak checked. No leaks noted.

Performed test run and adjusted to specifications in CH 71-00-00. Adjusted rigging as required. Leak checked and performance run verified. Torqued all connections and safety wired or cotted pinned as required.

RII inspection of all connections and safety locking devices by:

Approved for
Dallas Haman

K2 Aviation
W/O#: 20230421E

Open at date : 4/21/2023

Close date : 4/21/2023

Tel :

Page: 1 Of :

For Aircraft : N535KT , Engine PT6A-34(CANADA) , PCE-RB0388

Total:	Hours <u>4680.70</u>	Cycles <u>5756.00</u>	Landings	Other
Engine	TSO <u>.00</u>	CSO <u>.00</u>	LSO	OSO

Hobbs: 0.0

- 1 . Performed Inspection - Scheduled, 100 Hour Inspection. . Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: None.

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number :

Signature :

K2 Aviation
W/O#: 20230608E

Open at date : 6/8/2023
Close date : 6/8/2023

Tel :
Page: 1 Of 1

For Aircraft : N535KT , Engine : PT6A-34(CANADA) , PCE-RB0388
Total: Hours 4742.80 Cycles 5756.00 Landings Other
Engine TSO 62.10 CSO .00 LSO OSO
Hobbs: 62.1

AME
ACA/AMO
SCA/AMO

1. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis..
2. Performed Replace - Removal Starter Generator. Starter Generator. Replaced due to failure. removed PN-23048-009 SN-9067. Installed Overhauled unit PN- 23048-009 SN-2746. Op's tested normal..

Certificate of return to service

Approved for return to Service

Signed off by :

Certificate Number :

Signature :

K2 Aviation
W/O#: 20230615E

Open at date : 6/15/2023
Close date : 6/15/2023

Tel :
Page: 1 Of 1

For Aircraft : N535KT , Engine : PT6A-34(CANADA) , PCE-RB0388
Total: Hours 4755.00 Cycles 11593.00 5240 Landings Other
Engine TSO 74.30 CSO 5837.00 84 LSO OSO
Hobbs: 74.3

1. Performed Inspection - Scheduled, 100 Hour Inspection. . Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: None..
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis..

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number :

Signature :

K2 Aviation
W/O#: 20230706E

Open at date : 7/6/2023
Close date : 7/6/2023

Tel :
Page: 1 Of 1

For Aircraft : N535KT , Engine : PT6A-34(CANADA) , PCE-RB0388
Total: Hours 4828.26 Cycles 11679.00 5926 Landings Other
Engine TSO 147.56 CSO 5923.00 170 LSO OSO
Hobbs: 147.5

1. Performed Inspection - Scheduled, 100 Hour Inspection. . Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: None..
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis..

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Section 1: Record of engine maintenance and overhaul

Details of task

K2 Aviation
W/O#: 20230801E

Open at date : 8/1/2023

Close date : 8/1/2023

Tel :

Page: 1 Of 1

For Aircraft : <u>N535KT</u>	Engine	<u>PT6A-34(CANADA)</u>	<u>PCE-RB0388</u>
Total:	Hours <u>4911.30</u>	Cycles <u>11679.00</u>	<u>6041</u> Landings
Engine	TSO <u>230.60</u>	CSO <u>5923.00</u>	<u>288</u> LSO
Hobbs: <u>230.6</u>			

1. Performed Inspection - Scheduled, 100 Hour Inspection. . Complied with per company checklist..
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collect oil sample for Analysis.

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number :

Signature :

K2 Aviation
W/O#: 20230908E.

Open at date : 9/8/2023

Close date : 9/8/2023

Tel :

Page: 1 Of 1

For Aircraft : <u>N535KT</u>	Engine	<u>PT6A-34(CANADA)</u>	<u>PCE-RB0388</u>
Total:	Hours <u>4998.60</u>	Cycles <u>11901.00</u>	<u>6157</u> Landings
Engine	TSO <u>317.90</u>	CSO <u>6145.00</u>	<u>461</u> LSO
Hobbs: <u>317.9</u>			

1. Performed Inspection - Scheduled, 100 Hour Inspection. . Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: None..
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis..

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number

Signature :

K2 Aviation

Open at date : 1/24/2024
Close date : 1/24/2024

For Aircraft : N535KT Engine : PT6A-34(CANADA) PCE-RB0388
Total: Hours 5020.70 Cycles 11992.00 6177 Landings Other
Engine TSO 340.00 CSO 6176.00 421 LSO OSO
Hobbs: 340.0

1. Performed Inspection - Scheduled, 100 Hour Inspection. Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: None.
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis.
3. Performed Servicing - Scheduled, oil change-turbine. Drained oil tank, RGB, and AGB. Serviced oil system, no leaks noted at run up.
4. Performed Servicing - Scheduled, nozzling cleaning-turbine. Clean, inspect, flow test & Conduct engine Borescope. No discrepancies noted during borescope. See Aerotwin WO# 17710 dated 01-08-2024 for nozzle inspection details. No leaks noted at run up.

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number

Signature :

AME
ACA/AMO
SCA/AMO

K2 Aviation

Open at date : 6/12/2024
Close date : 6/12/2024

For Aircraft : N535KT Engine : PT6A-34(CANADA) PCE-RB0388
Total: Hours 5118.00 Cycles 12058.00 6310 Landings Other
Engine TSO 437.30 CSO 6302.00 554 LSO OSO
Hobbs: 437.3

1. Performed Inspection - Scheduled, 100 Hour Inspection. Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: None.
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis.

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number

Signature :

7-1-24

R+R FEU. P/N off/on 8210-002-01 S/N off 15738
Hobbs: 512.8 S/N on 1580340. Rigged & Ops check good.

K2 Aviation
W/O#: 20240705E

Open at date : 7/5/2024
Close date : 7/5/2024

Tel :
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For Aircraft : N535KT Engine : PT6A-34(CANADA)
Total: Hours 5209.00 Cycles 12198.00 Landings 6450
Engine TSO 528.30 CSO 6442.00 LSO 6994
Hobbs: 528.3

PCE-RB0388
Other
OSO

1. Performed Inspection - Scheduled, 100 Hour Inspection. Performed inspection on this date using a company 100 hr. Checklist. Corrective actions: Removed and replaced PCU PN-8210-002-01 SN- off-1580340, SN-on- 15738600. Op's checked and rigged. No discrepancies noted.
2. Performed Inspection/Check, Oil Sample. Collection of Oil Sample. Collected oil sample for Analysis.

Certificate of return to service

I certify that this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

Signed off by :

Certificate Number

Signature :

7-10-24

Hobbs: 530.5

RJR PCU for Oil leak troubleshooting

PN off on 8210-002-01 S/N off 15738600 S/N on 1580340.

PCU installed. Rigging +

08-14-2024

Informational Maintenance Entry

PT6A-34, SN- PCE-RB0388, TSN-5223.6 TSO: 542.9 CSN: 6474.0 CSO: 718

This engine was delivered with Prop Governor PN-8210-002-01 SN-1580340 from Standard Aero as part of Work Order 41-42970 dated 12-21-2021. Prior to Engine installation, Governor SN-1580340 was removed from this engine to be used as a spare on another aircraft and a blanking plate was installed in place of the Governor. At time of engine install, Prop Governor PN-8210-002-001 SN-15738600 was installed on this engine per Logbook entry dated 04/20/2023.

On this date an Audit of this logbook found a cycle count discrepancy between 06/8/2023 and 6/15/2023. A correction was made by striking a single line through the incorrect Cycles Since New and Cycles Since Overhaul (CSO) in red. The cycles since new CSN and CSO was corrected and calculated beginning 6-15-2023 to current.

Details of task