



Transport
Canada

Transports
Canada

PCE 57527

TP 14182
(Revised 05/2005)

Engine Logbook

TC1001185



05/2005

Canada

Volume #: _____

Opened on: _____

ENGINE DETAILS

1. Manufacturer PRATT & WHITNEY

2. Type/Model/Series PT6A-34AG

3. Serial Number PC-E 57527

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
Engine Type/Model <u>PT6A-34AG</u> Engine Serial Number <u>PCE 57527</u> T.T. <u>2426.6</u> T.C. <u>2427</u> T.S.O. <u>N/A</u> C.S.O. <u>N/A</u> Hobbs <u>N/A</u> Disassembled engine for repair. Installed new prop shaft seal and seal runner. Installed new CT blades and balanced disk assembly. Installed new CT vane ring and segments, O/H CT shroud and large duct, and repaired small duct and combustion liner. Cleaned and flow pattern checked fuel nozzles. Blend repaired 1st stage compressor blades and balanced compressor assembly. Installed O/H wet spline starter gear. Installed new oil filter. Reassembled engine. Installed O/H fuel pump s/n 14582 and FCU s/n B32085. Engine tested by Northstar Aerospace w/o 5010. All work performed I/A/W current FAA regulations and current manufacture's data. Pertinent details are on file at this facility. Work Order No. <u>01434</u> Date <u>02/05/08</u> Signed by <u>[REDACTED]</u> For: R.T. Turbines Inc. 3397 Hwy. 121 West Marianna, Ar. 72360 CRS # <u>MW9R610J</u>				
Next page				

Signature

AME
ACA/AMO
SCA/AMO

3-17-08 Hobbs 3997.4

Installed this engine on AT502B
N6165C S/N 502B-0379 serviced with
2380 oil test run checked for leaks. Replaced
Air and fuel filters End

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.

3-27-09 Hobbs 4250.8 cleaned and flow check
Nozzles, Replaced fuel filters and air filters.
checked all rigging. Test run checked for leaks.

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.

9-10-09

Hobbs T: 4365.0

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
4-8-2010	Hobbs	4573.7		I certify that this <u>Engine</u> has been cleaned, serviced and inspected IAW FAR 43 Appendix D "100 Hr" criteria and/or manufactures instructions and deemed worthy for return of service. Cleaned and flow checked fuel nozzles. Replaced engine fuel and air filters. Ground run and leak check satisfactory.
6-30-2010	Hobbs	4716.7		I certify that this <u>Engine</u> has been cleaned, serviced and inspected IAW FAR 43 Appendix D "100 Hr" criteria and/or manufactures instructions and deemed worthy for return of service.
7-9-10	Hobbs	4834.5		Cleaned & Flow checked fuel nozzles. Replaced Air & fuel filters. Ground Run & Leak check satisfactory. I certify that this <u>Engine</u> has been cleaned, serviced and inspected IAW FAR 43 Appendix D "100 Hr" criteria and/or manufactures instructions and deemed worthy for return of service.

Signature

AME
ACA/AMO
SCA/AMO

4-22-11 Hobbs=5071.7

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.

7-20-11 Hobbs=5137.7

Cleaned + Flow Checked fuel nozzles - Replaced Air + Fuel
fuel filters - Ground Run + Leak Checked Satisfactory

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.

12-19-2011 Hobbs=5356.4

Cleaned + Flow Checked Nozzles. Replaced Air + Fuel filters -
Leak Check Satisfactory

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.

Section 1: Record of engine maintenance and elementary work

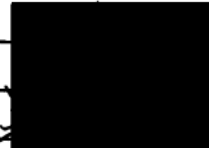
Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
GEORGE'S AIRCRAFT REPAIR, LLC 11674HWY 70 S, VERNON, TX 76384 940-552-5869 8/21/2012 AT502B-0379 N6165C AFTT: 5779.6 PT6A-34AG PCE-57527 ENGINE TT: 4208.8 PERFORMED 300HR ON ENGINE THIS DATE. CLEANED AND FLOW CHECKED NOZZLES REPLACED AIR INLET FILTERS AND CLEANED FIREWALL FUEL FILTER. REPLACED HI PRESSURE PUMP FILTER AND GREASED PROP. ENGINE LEAK CHECK SATISFACTORY. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 300HR INSPECTION AND FOUND TO BE AIRWORTHY.				
GEORGE'S AIRCRAFT REPAIR, LLC 11674HWY 70 S, VERNON, TX 76384 940-552-5869 1/4/2013 AT502B-0379 N6165C HOBBS: 5852.3 PT6A-34AG S/N PCE 57527 ENG TT: 4281.5 PERFORMED HOT SECTION INSPECTION THIS DATE. SPLIT ENGINE AT "C" FLANGE AND REMOVED HOT SECTION COMPONENTS FOR INSPECTION. COMPONENTS FOUND TO BE IN AIRWORTHY CONDITION. DRESSED SEGMENTS. REASSEMBLED HOT SECTION AND REMATED POWER SECTION. SERVICED ENGINE WITH BP2380 OIL. CLEANED AND FLOW CHECKED FUEL NOZZLES. PERFORMED 100 INSPECTION. REPLACED ENGINE AIR FILTERS. REPLACED HIGH PRESSURE PUMP FILTER AT FCU. CLEANED FIREWALL FUEL FILTER. ENGINE GROUND RUN AND LEAK SATISFACTORY.				
8/26/13	Hobbs = 6010.1			I certify that this <u>Engine</u> has been cleaned, serviced and inspected IAW FAR 49 Appendix D 100 Hr criteria and/or manufactures instructions and deemed worthy for return of service.
GEORGE'S AIRCRAFT REPAIR, LLC 11674HWY 70 S, VERNON, TX 76384 940-552-5869 2/25/2014 AT502B-0397 N6165C HOBBS & TT: 6156.0 PT6A-34AG PCE-57527 ENGINE TT: 4585.2 TSHOT: 303.7 PERFORMED 100HR ON ENGINE THIS DATE. CLEANED AND FLOW CHECKED NOZZLES REPLACED AIR INLET FILTERS AND CLEANED FIREWALL FUEL FILTER. REPLACED HI PRESSURE PUMP FILTER AND GREASED PROP. ENGINE LEAK CHECK SATISFACTORY. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION AND FOUND TO BE AIRWORTHY.				

Signature

AME
ACA/AMO
SCA/AMO

7/4/14 Hobbs: 6288.9

I certify that this Engine has
been cleaned, serviced and inspected IAW
FAR 43 Appendix D "100 Hr" criteria and/or
manufactures instructions and deemed
worthy for return of service.



11-10-14 Hobbs 6616.7
Split Engine @ "c" flange and inspect Hot Section.
Clean and flow checked Nozzles. I certify that this
Engine has been inspected in accordance with a
100 hr inspection and found to be Airworthy End



3-2-15 Hobbs 6785.1

I certify that this engine has been inspected
in accordance with a 100 hr inspection and found
to be Airworthy End



4-20-15 Hobbs 6874.5

cleaned and flow checked nozzles. I certify that
this engine has been inspected in accordance with
a 100 hr inspection and found Airworthy End



7-8-15 Hobbs 7097.7 cleaned and flow checked
fuel nozzles. Replaced fuel filter and air filter.

I certify that this engine has been inspected
in accordance with a 100 hr inspection and found
to be Airworthy End



Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
3-18-16	Hobbs 7171.7	T.T.S.N. 5600.9	Removed 4's	7
Engine from 502B	N6165C	with NO defects.		
3-20-16	T.T.S.N. 5600.9	Split engine at 'C' flang for inspection of hot section and re mated power section. This inspection done as a pre purchase inspection with the engine <u>not</u> installed in any Airframe Eng		

GEORGE'S AIRCRAFT REPAIR, LLC

11674HWY 70 S, VERNON, TX 76384 940-552-5869

5/15/2016 AT502B-0275 N6113C HOBBS & TT: 9960.7

REMOVED ENGINE PT6A-34AG S/N PCE 57491 AND INSTALLED PT6A-34AG S/N 57527 ON AT502B-0275 N6113C THIS DATE. CLEANED AND PATTERN FLOW CHECKED FUEL NOZZLES. INSTALLED NEW HIGH PRESSURE PUMP FILTER AND CLEANED FIREWALL FUEL FILTER. SERVICE ENGINE WITH BP2380 OIL AND GROUND RUN FOR LEAK CHECK SATISFACTORY. ENGINE TTSN IS 5600.9.

6/29/16 N6113C AT-502B S/N 0275 Hobbs:9960.7 TTAC: 9960.7
Engine: PT6A-34AG SN: 57527 TT:5600.9 Prop: mod HC-B3TN-3D
S/N: BUA26343 SMOH: 0.0

work accomplished this date: Re-rigged engine and controls I/A/W Air Tractor owners manual rigging instructions. All controls checked for proper function and rigging. test ran engine and engine performs properly. I certify this engine was deemed to be airworthy and APPROVED for return to service

David Baker A/P

4/20/17 N6113C AT-502B S/N 0275 Hobbs: 133.3 TTAC:10,133.3
Engine: PT6A-34AG SN: 57527 TT:5773.5 Prop: mod HC-B3TN-3D
S/N: BUA26343 SMOH:172.6

Annual/300hr inspection completed this date. verified engine and controls I/A/W Air Tractor owners manual rigging instructions. All controls checked for proper function and rigging. Drained oil, installed new oil filter, and replenished with 12qts BP 2380. Cleaned firewall filter, inlet screen and replaced fuel pump filter. Replaced ignitors. test ran engine and engine performs properly no leaks were noted. All work done I/A/W P&W service and MM and following 300hr checklist. I certify this engine was found to be in an airworthy condition and APPROVED for return to service

David Baker A/P

Signature

AME
ACA/AMO
SCA/AMO

7/17/17 Hobbs 101.3

PERFORMED 100hr insp. changed all filters, checked
Rigging, GREASED PROP RUN ✓ SATISFACTORY NO LEAKS
all IAW 100hr v list Engine Deemed Airworthy

IA

Work Order: T6160

TURBINES INC.

Date: April 5, 2018

Partially disassembled. Performed Hot Section Inspection. Flow Tested Fuel Nozzles. Bench Tested Bleed Valve. De-bladed CT Disk, Stretch Check & NDI CT Blades, re-bladed, trued & balanced CT Disk. CT Disk Total Cycles: 3354. Weld repaired Combustion Liner and Large Exit Duct. Installed the following parts: 9ea new Shroud Segments PN PF3018503CL20; overhauled CT Vane PN 3032151 SN 350B. Reference PWC Maintenance Manual PN 3021242 Rev. 55 and Overhaul Manual PN 3021243 Rev. 44. AD 2014-11-05 PCW by SB1427.

Model: PT6A-34AG

Serial Number: PCE-57527

Total Time: 5970.7 Hrs. Total Cycles: See Cycle Record TSHSI: 0.0 Hrs.

This engine / module has been repaired and inspected, except as noted, in accordance with current regulations of the Federal Aviation Administration and, with regard to the work performed, is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order: T6160. Date: 05 APR 2018.

Signed

For

TURBINES INC.

F.A.A Repair Station UTBR513L

5/17/18 N6113C AT-502B S/N 0275 Hobbs: 330.0 TTAC:10,333.3 Engine:
PT6A-34AG SN: 57527 TT:5973.5 Prop: mod HC-B3TN-3D S/N: BUA26343
TSMOH:372.6

Annual/300hr inspection completed this date. Hot section performed by Turbines INC, Terre Haute IN. Overhauled vane ring installed and new segments were installed and ground to fit. Cycles calculated. Verified engine and controls IAW Air Tractor owners manual rigging instructions. All controls checked for proper function and rigging. Checked oil, installed new oil filter, and replenished with 6qts BP 2380 after hot section performed. Cleaned firewall filter, inlet screen and replaced fuel pump filter. Inspected and checked ignitors. Test ran engine and engine performs properly no leaks were noted. All work done IAW P&W service and MM and following 300hr checklist and used Air Tractor owners manual as a guide. I certify this engine was found to be in an airworthy condition and APPROVED for return to service.

David Baker A/P

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
				4/17/19 N6113C AT-502B S/N 0275 Hobbs: 598.9 TTAC:10,602.2 Engine: PT6A-34AG SN: 57527 TT:6242.4 Prop: mod HC-B3TN-3D S/N: BUA26343 TSMOH:641.5 Annual/300hr inspection completed this date. Fuel nozzles cleaned and flow checked and engine borescoped by Turbines INC. nothing abnormal noted. Removed fuel control and low pressure pump in good working order. Installed low pressure pump P/N:386101-5 S/N:0379 with 246hrs since o'haul and fresh inspection by Kansas Aviation. Installed fuel control unit P/N:3244786-8-7, S/N:C22027 also with 246hrs since O'haul and fresh repair by Kansas Aviation Verified engine and controls I/A/W Air Tractor owners manual rigging instructions. All controls checked for proper function and rigging. Serviced starter-gen. Drained oil, inspected and cleaned oil filter, and replenished with 12qts BP 2380. Cleaned firewall filter. Inspected and checked ignitors. Test ran engine and engine performs properly no leaks were noted. All work done I/A/W P&W service and MM and following 300hr checklist and used Air Tractor owners manual as a guide. I certify this engine was found to be in an airworthy condition and APPROVED for return to service David Baker A/P [REDACTED]
				2018 288 TO 57 starts
				6113C AT-502B S/N 0275 7-9-19 Hobbs: 601.5 T-CERT: A This engine has been 479 Inspected in accordance with a 100hr INSPECTION and found to be in Airworthy condition All work IAW P&W MM [REDACTED] EA

ROTABLE LOG

Date: 1/28/08 Engine Model: PT6A-34AG Engine SN: PCE-57527

Total Time: 2426.6 Total Cycles: 2427 TSO: N/A CSO: N/A

	P/N	S/N	Total Cycles	Cycle Limit	Cycles Remaining	Notes
Rear Hub	3013111	20A068	1145	19000	17855	
#2 Comp. Disk	3013712	32B799	3543	24000	20457	
#3 Comp. Disk	3011713	32B776	3010	25000	21990	
#4 Comp. Disk						
Impeller	3013176	4F292	2471	19000	16529	
C.T. Disk	3013411	18B359	3556	16000	12444	
P.T. Disk (#1)	3026812	9W742	4398	24000	19602	
P.T. Disk (#2)						
#4 Spacer						

Notes:

1031.0 Since Wire Strike Inspection

Engine Installed @
a Hobbs of 3997.4
Current Hobbs is 7501.8

Rodney Hoelscher (owner)



ROTABLE LOG

Date: 12/3/15Engine Model: PT6A-34AG . Engine SN: PC-E 57527Total Time: 5931Total Cycles: 5931 TSO: N/A CSO: N/A

	P/N	S/N	Total Cycles	Cycle Limit	Cycles Remaining	Notes
Rear Hub	3013111	6291	2149	19000	16851	
#2 Comp Disk	3013712	78887	6649	24000	17351	
#3 Comp Disk	3011713	6C724	5649	25000	19351	
#4 Comp Disk						
Impeller	3013176	3H595	4637	19000	14363	
CT Disk	3013411	A1841	6622	16000	9378	
PT Disk (#1)	3026812	9W550	6150	24000	17850	
PT Disk (#2)						
#4 Spacer						

Notes: