



Transport
Canada
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TP3910E

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

Second Edition

January 1987

Canada

ENGINE LOG

1. Make Pratt & Whitney
2. Model PT6A-34A6
3. Specification 781
4. Manufacturer's Serial Number PCE 56520
5. Date of Manufacture January 1979
6. Aircraft Inspection Cycle -

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

06/20/13

BUCKEYE TURBINES, L.L.C. - U6KR348Y

Form # 321

Logbook Engine Test Data Certificate

Engine Type PT6A Model 34AG Serial Number PC-E 56520 Work Order # 1031 Date 06-20-13

Total Time 7,784 Total Cycles 7,784 T.S.O. - 0 - C.S.O. - 0 -

PT6A Engine Test Data

Type of Test

Corrected Engine Performance

☒ Overhaul ☐ Repair

Oil Type BP 2380

Fuel Type Jet A

Rating	SHP	Ng%	°F	T ₅ °C	SFC
Take-Off	741	98.6	1249	704	0.623
Climb					
Cruise					

Data Plate Speed 95.7 % T₅ Trimmer Part # 3013604 Installed, Class 7

Power Check T₅ - Target 764 °C T₅ Pull Down Required: 60 °C, Adjusted @ 16 OHMS

Compressor Pressure Ratio N/A

Certificate of Inspection

I hereby certify that this engine has been inspected and tested in accordance with P&WC test specification and current F.A.A. regulations and was found Airworthy for return to service.

Signature

Date 06-20-13

06-20-2013 Engine Total Time: 7,784.0. T.C.S.N: 7784. T.S.O.:0. C.S.O.:0.

Received engine PT6A-34AG, P/N 3020800, S/N PC-E56520 for overhaul I.A.W. P&WC overhaul manual (p/n 3012243 Rev. 39 and I.P.C. p/n 3012244.) All work performed, all parts and materials on file at repair station #U6KR348Y under WO# 1031. All work performed I.A.W. P&WC instructions and FAA regulations. All service bulletins, airworthiness directives have been documented. I certify this engine is approved for return for service on this date. Eric Ruhe AP

BUCKEYE TURBINES, L.L.C. - U6KR348Y

Form # 323

Logbook Parts Life Summary Sheet

Engine Type PT6A-34AG		Serial Number PCE 56520		Work Order # 1031		Date 06/20/2013	
T.T.S.N. 7,784		T.C.S.N. 7,784		T.S.O. 0		C.S.O. 0	
Component	Part Number	Serial Number	Total Times	Total Cycles	Remaining Hours	Remaining Cycles	
Compressor Rear Hub	3013111	67A763		9,255		9,745	
2nd Stage Compressor Disc	3013712	7B923		7,784		16,216	
3rd Stage Compressor Disc	3011713	9A025		7,784		17,216	
Impeller	3013176	3A470		7,784		11,216	
Compressor Turbine Disc	3013411	7B489		7,784		8,216	
1st Stage P.T. Disc	3026812	9F468		17,407		6,593	
2nd Stage P.T. Disc							

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06/20/13

MAINTENANCE RECORD

REPAIRS, . ADJUSTMENTS, MODIFICATIONS		SIGNATURE	LICENCE NUMBER
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.			
03-27-2014 Hobbs: 6190.3. Engine TT:7,784.0 Eng: SMOH: 0. Installed PT6-34AG serial #PCE56520 on N5048S, greased starter/generator spline, inspected brushes, lubricated engine controls. Test ran engine for leaks (OK). 100 hour check complete. Gene Erickson AP [REDACTED]			
03-27-2014 Hobbs: 6190.3. Engine TT: 7,784.0. Eng. SMOH: 0. Inspection performed in accordance with Pratt and Whitney maintenance manual and AC 43.13-1B Chapter 8(section 2). AD compliance listed on a separate sheet. I certify this ENGINE has been inspected in accordance with an annual inspection and found to be in airworthy condition. Eric Ruhe AP [REDACTED]			
N5048S 03/20/15 PCE-56520 Hobbs 6245.2 Eng TT 7838.9 SMOH 54.9 100 Hr. inspection completed this date using FAR 43 Appendix D, and AT502B inspection checklist as a guide. Cleaned fuel screens. Cleaned oil filter. Fuel Nozzles cleaned and flow checked by Buckeye Turbine U6KR348Y. Checked chip detector with ohmmeter. Removed Starter Generator, lubricated drive splines and reinstalled. Engine compressor wash accomplished. Engine test ran with no defects noted. Gene Erickson AP [REDACTED].....03/20/15 03/20/15 Hobbs 6245.2 Eng TT 7838.9 TSMOH 54.9 I certify that this engine has been inspected in accordance with an annual inspection as per FAR 43 Appendix D, and AT502B inspection checklist, and was determined to be in airworthy condition. See AD Compliance Record for current AD's. Raymond L. Thomas AP [REDACTED].....03/20/15			
N5048S 04/21/2016 PCE-56520 HOBBS: 6340.4 Eng. TT:7934.1 SMOH: 150.1 100 Hr. inspection completed this date. All work performed I.A.W. FAR 43 Appendix D, and AT502B inspection checklist. Changed HP fuel filter, cleaned and inspected oil screen, cleaned and flow checked fuel nozzles (see W.O.# 1048). Checked chip detector, lubricated controls, lubricated starter/generator drive splines and reinstalled. Performed engine compressor wash, test ran engine, no defects noted. Gene Erickson AP [REDACTED].....04/21/2016 04/21/2016 Hobbs: 6340.4 Eng. TT: 7934.1 TSMOH: 150.1 I certify this ENGINE has been inspected in accordance with an annual inspection as per Part 43 Appendix D and AT502B inspection checklist and was determined to be in airworthy condition. See AD compliance record on separate sheet. Eric Ruhe AP [REDACTED] IA.....04/21/2016			

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

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FORM

N5048S 04/04/17 PCE-56520 Hobbs 6356.0 TTE 7949.7 TSMOH 165.7

100 Hr. inspection completed this date using FAR 43 Appendix D and AT502B inspection checklist as a guide. Cleaned fuel Screens. Cleaned oil filter. Removed Starter Generator, Lubricated drive splines and reinstalled. Engine washed down and test ran with no defects noted. Lubed engine controls.

Gene Erickson AP [REDACTED]

04/04/17 Hobbs 6356.0 TTE 7949.7 TSMOH 165.7

I certify that this engine has been inspected in accordance with an Annual inspection as per FAR 43 Appendix D and AT502B inspection checklist as a guide, and was determined to be in Airworthy condition.

Raymond L. Thomas AP [REDACTED]

N5048S

07/08/18 PCE-56520 Hobbs 6356.0 TTE 7949.7 TSOH 165.7

Engine test ran with no leaks noted. I Certify that this Engine has been inspected in accordance with an Annual inspection as per FAR 43 Appendix D and AT 502B inspection checklist as a guide, and was determined to be in Airworthy condition.

Raymond L. Thomas AP [REDACTED]

N5048S

08/27/2019 Hobbs: 6383.4 TTE:7977.1 TSOH: 193.1

Engine test ran with no leaks noted. I certify that this Engine has been inspected in accordance with an annual inspection as per FAR 43 Appendix D and Air Tractor 502 inspection checklist as a guide and was determined to be in airworthy condition.

Eric Ruhe AP [REDACTED]

N5048S

05/05/21 PCE-56520 Hobbs 6401.8 TTE 7995.5 TSOH 211.5

Engine test ran with no leaks noted. Lubricated engine controls. I Certify that this Engine has been inspected in accordance with an Annual inspection as per FAR 43 Appendix D and AT 502B inspection checklist as a guide, and was determined to be in Airworthy condition.

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMA

Eric Ruhe AP [REDACTED]

TOTAL
SINCE MFG.

MAINTENANCE RECORD

2

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

SIGNATURE

LICENCE
NUMBER

7/15/2022 Hobbs: 6576.2, Engine TT:8169.9 SMOH: 385.9

Lubricated engine controls, cleaned and flow checked fuel nozzles(see WO 1093), changed starter generator brushes, lubricated spline, performed engine compressor wash/rinse, replaced air conditioner compressor unit and belt. All work done in accordance with FAR 43 Appendix D, Air Tractor Service Manual, and Pratt and Whitney pt6A-34AG maintenance manual. I certify this ENGINE has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Eric Ruhe AP [REDACTED]

N5048S

5/01/23 PCE-56520 Hobbs 6680.5 Engine TT 8274.2 SMOH 490.2

Replaced High pressure fuel filter with new, Replaced oil filter with new. Engine ground test ran with no leaks noted. All engine controls lubed.

Gene Erickson AP [REDACTED]

N5048S

5/01/23 PCE-56520 Hobbs 6680.2 Engine TT 8274.2 SMOH 490.2

I Certify that this Engine has been inspected in accordance with an Annual inspection as per FAR 43 Appendix D using AT-502B inspection checklist as a guide, and was determined to be in Airworthy condition.

Raymond L. Thomas AP [REDACTED]

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.