



Transport
Canada

Transports
Canada

[REDACTED]
Pratt & Whitney Canada Customer Service
[REDACTED]

TP 14182
(Revised 05/2005)

Engine Logbook

TC-1001185



05/2005

Canada

Volume #: 1

Opened on: 06 DEC 2012

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.
2. Type/Model/Series E.T.C. E- 6 PT6A- 34AG B/S: 975
3. Serial Number PCE- PH0869

Section 1: Record of engine maintenance and elementary work

Date --/--/---	Time since new	Time since overhaul	Total cycles	Details of task
06 DEC 2012	○.○	○.○	○	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.

Date February 8, 2013		Engine Model PT6A-34AG		Engine Serial Number PCE-PH0869	
Engine -- TSN 1.0 Hours		Engine -- Flights 3		Engine - Starts 6	
				Engine - TSO N/A	
Aircraft Make Air Tractor	Aircraft Model AT-502B	Aircraft Serial Number 502B-2883	Aircraft - Registration N883LA		Aircraft - Total Time 1.0 Hours
Engine Performance		Torque	Fuel Flow	NG	ITT
OAT: 22° C BARO: 29.79		Baseline 1380 ft-lbs	60 gph	98%	730°C
		Actual 1380 ft-lbs	56 gph	94%	680°C

This engine installed, ground run, leak checked and found to operate satisfactory. The aircraft was test flown in accordance with Air Tractor, Inc. QCPM Manual Section 7: Inspection and Testing, Production Flight Test Procedures and Flight Test Form 1008, Revision Orig., dated 11/1/11. This engine was found to operate satisfactory and is in condition for safe operation. This engine complies with all applicable Airworthiness Directives through Biweekly AD 2013-02, published January 14 through January 27, 2013.

Terry Wooldridge - Air Tractor, Inc.

North Star Aviation, Inc.

DATE:07-03-2013 TT: 182.5 PERFORMED 100HR INSP IAW PRATT & WHITNEY MANUAL. CLEANED AND INSP CHIP LIGHT AND DETECTOR, IGNITOR SYSTEM, P3, T5, STARTER/GEN, OIL SCREEN, BETA BLOCK, FIREWALL FILTER, AND A/C BATTS. R&R FCU FUEL FILTER P/N AN6235-3A. INSTALLED CLEAN RAM AIR FILTER. CLEANED AND FLOW TEST PRIMARY AND SECONDARY FUEL NOZZLES AS PER MANUAL, REINSTALL NOZZLES WITH NEW GASKET KIT. LEAK CHECK OK. I CERTIFY THIS ENGINE HAS BEEN INSP. IAW A 100HR INSP. AND FOUND TO BE AIRWORTHY. -----END-----

DERRICK CHAPMAN A&P

11/8/2013	0517.8		Replaced fuel nozzles, inspect chip detector. I certify with a 100 hr. inspection and
2/6/2014	0699.3		Replaced fuel nozzles. Replaced checked chip detector. Replaced has been inspected in accordance for return to service.

TRIM SPEED Ng 35549 ,% Ng MAX: 94.8

Signature

AME
ACA/AMO
SCA/AMO

M. VANMAANEN

replaced fuel filters, replaced air filter, clean &
that this engine has been inspected in accordance
is approved for return to service.

fuel filter & cleaned screen. Cleaned oil screens
air filter. I Certify that this engine
with an Annual Inspection and is approved

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
04/02/2014	799.0	n/a	427	A/c Reg: N883LA Hobbs: 0799.0 for return to service.
06/27/2014 N883LA A/C S/N: 502B-2883 Hobbs: 898.9 ACTT: 898.9 Eng S/N: PCE-PH0869 EngTSN: 898.9 Prop Assy S/N: BUA32498 C/W Engine Minor/Routine/100hr/300hr Inspection requirements, referencing P&WC MM 72-00-00 Table 602. Aircraft ground run/op's leak check c/w, serviceable. Conrad Moreno, AP				
09/20/2014 N883LA A/C S/N: 502B-2883 Hobbs: 999.9 ACTT: 999.9 Eng S/N: PCE-PH0869 EngTSN: 999.9 Prop Assy S/N: BUA32498 Prop TSN: 999.9 C/W Engine Minor/Routine/100hr Inspection requirements, referencing P&WC MM 72-00-00 Table 602. Eng oil drained & serviced w/Exxon 2380. Eng fuel filter replaced w/new. RAR Eng fuel nozzles & inlet adapter. Installed fuel nozzle kit s/n: ATS96 (Airforce Turbine Service, FAA Form 8130-3 W.O. 7207, Dated 6/3/2014). Aircraft ground run/op's leak check c/w, serviceable. Conrad Moreno, AP				
10/30/2014 N883LA A/C S/N: 502B-2883 Hobbs: 1098.0 ACTT: 1098.0 Eng S/N: PCE-PH0869 EngTSN: 1098.0 Prop Assy S/N: BUA32498 Prop TSN: 1098.0 C/W Engine Minor/Routine/100hr Inspection requirements, referencing P&WC MM 72-00-00 Table 602. Aircraft ground run/op's leak check c/w and found serviceable. Conrad Moreno, AP				
12/04/2014 N883LA A/C S/N: 502B-2883 Hobbs: 1198.5 ACTT: 1198.5 Eng S/N: PCE-PH0869 EngTSN: 1198.5 Prop Assy S/N: BUA32498 Prop TSN: 1198.5 C/W Engine Minor/Routine/100/300hr Inspection requirements, referencing P&WC MM 72-00-00 Table 602. RAR Eng fuel nozzles & inlet adapter. Installed fuel nozzle kit s/n: ATS626 (Airforce Turbine Service, FAA Form 8130-3 W.O. 7436, Dated 7/30/2014). Aircraft ground run/op's leak check c/w and found serviceable. Conrad Moreno, AP				

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
1/11/2015	N883LA A/C S/N: 502B-2883	Hobbs: 1295.8	ACTT: 1295.8	Eng S/N: PCE-PH0869 EngTSN: 1295.8 Prop Assy S/N: BUA32498 Prop TSN: 1295.8 C/W Engine Minor/Routine 100hr Inspection requirements, referencing P&WC MM 72-00-00 Table 602. Aircraft ground run/op's leak check c/w and found serviceable. Conrad Moreno, AP
2/19/2015	Hobbs: 1401.7 Eng TSN: 1401.7			RAR Fuel Nozzles
2/19/2015	N883LA A/C S/N: 502B-2883	Hobbs: 1401.7	ACTT: 1401.7	Eng S/N: PCE-PH0869 EngTSN: 1401.7 Prop Assy S/N: BUA32498 Prop TSN: 1401.7 C/W Engine Minor/Routine 100hr/6mo & Annual Inspection requirements, referencing P&WC MM 72-00-00 Table 601. An AD review through Small Aircraft Biweekly 2015-03 has been conducted and this aircraft is in compliance with all applicable AD's. Aircraft ground run/op's leak check c/w, serviceable. I certify this engine inspected IAW an Annual Inspection and was determined to be in an airworthy condition. Conrad Moreno, AP
6/26/2015	N883LA A/C S/N: 502B-2883	Hobbs: 1506.0	ACTT: 1506.0	Eng S/N: PCE-PH0869 EngTSN: 1506.0 Prop Assy S/N: BUA32498 Prop TSN: 1506.0 C/W Engine Minor/Routine, 100/300hr & 6mo inspection requirements, referencing P&WC MM 72-00-00 Table 601. Aircraft ground run/op's leak check c/w, serviceable. Conrad Moreno, AP
8/12/2015	N883LA A/C S/N: 502B-2883	Hobbs: 1523.8	ACTT: 1523.8	Eng S/N: PCE-PH0869 EngTSN: 1523.8 Prop Assy S/N: BUA32498 Prop TSN: 1523.8 C/W HSI (Hot Section Inspection) referencing P&WC MM No. 3021242, 72-00-00, Para 11.D. All HSI items found in serviceable condition. RAR engine fuel nozzles referencing P&WC MM 3021242, 73-10-05 Para 5. Installed ATS Manifold/Nozzle Set s/n: ATS642 (TSI: 0.0). ATS W.O. No. 7532, Dated 10/27/2014. All listed maintenance and inspection items performed by James Kent, A&P 3690241. Aircraft ground run/op's leak check c/w, serviceable. Conrad Moreno, AP

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
10/7/2015	N883LA	A/C S/N: 502B-2883	Hobbs: 1604.7	ACTT: 1604.7. Eng S/N: PCE-PH0869 EngTSN: 1604.7. Prop Assy S/N: CDA5579 Prop TSN: 80.9. C/W Engine Minor/Routine, 100hr inspection requirements, referencing P&WC MM 72-00-00 Table 601. RAR engine fuel nozzles. Removed ATS Nozzle Set s/n: ATS642. Installed ATS Nozzle Set s/n: ATS658 (TSI: 0.0) FAA Form 8130-3 W.O. 7813, Dated 9/10/2015. Referencing P&WC MM 3021242, 73-10-05 Para 5. Aircraft ground run/op's leak check c/w. serviceable. [REDACTED] Conrad Moreno, AP [REDACTED]

Conrad Moreno, AP

Conrad Moreno, AP

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
02/23/2016	1812.9	—		This engine has been inspected to service. —
7/5/2016	1938.6			This engine has been inspected approved for return to
8/2/2016	1966.1			Replaced fuel nozzles. —
9/22/2016	1992.5			Replaced fuel nozzles and cleaned screen. —
10/10/2016	2043.3			This engine has been inspected
11/22/2016	2145.7			Replaced fuel nozzles. This 100 hr inspection and is
12/9/2016	2196.0			Replaced flow divider. —
12/30/2016	2260.7			This engine has been inspected is approved for return to
2/1/2017	2332.6			Replaced fuel nozzles and in accordance with an
5/10/2017	2444.9			Replaced fuel filter & cleaned nozzles and flow divider. with with a 100 hr. inspection
8/29/2017	2548.7	New		This engine has been inspected approved for return to service.
11/7/2017	2648.6	New		Replaced fuel nozzles. Replaced inspected in accordance with for return to service. —

	Signature	AME ACA/AMO SCA/AMO
ed IAW an annual inspection and is approved for return		
ected in accordance with a 100 hr. inspection and is service.		
flow divider. Replaced fuel control filter &		
in accordance with a 100 hr inspection & is approved for return to service.		
engine aircraft has been inspected in accordance with a approved for return to service.		
ed in accordance with a 100 hr. inspection and service.		
flow divider. This engine has been inspected Annual Inspection and is approved for return to service.		
screen. Checked chip detector. Replaced fuel This engine has been inspected in accordance and is approved for return to service.		
ected in accordance with a 100 hr inspection and is e.		
laced filters & cleaned screens. This engine has been a 100 hr. inspection and is approved		

Section 1: Record of engine maintenance and elementary work

[illegible]

N 883LA

Signature

AME
ACA/AMO
SCA/AMO

in accordance with an Annual Inspection and
service.

engine has been inspected in accordance with a 100 hr.
return to service.

Pump P/N 51076 3/4
76-7 3/4 AWE 29683A

P/N-4138008-3 Y S/N-C75968
P/N-4138008-3 S/N-C75197

SECTION FOR Prop STRIKE

Airforce Turbine Service P.O. Box 146 Tynan, TX 78391 www.pt6a.aero		 ATS		Certified Repair Station	
TQZR133K					
Phone		Fax			
Cycle Sheet					
W.O.	9195	Date		1/23/19	
A/C Reg.	A/C Model	Eng Model	Eng S/N (PCE#)	Tach/Hobbs	
N/A	N/A	PT6A-34AG	PCE-PH0869-100	3,058.2	
Eng TT	Eng TSO	Eng CSN	Eng CSO	Eng TSHSI	
3,058.2	N/A	N/A	N/A	N/A	
Work Performed					
• Prop Strike Inspection • Functional Test				Parts List Attached	
Remarks: Installed the following in overhauled condition: No. 6 Bearing P/N 3102227-01 S/N BB0022302, Exhaust Duct P/N 31117801-01 S/N 6M912 and Prop Governor P/N 8210-002-01 S/N 1704725.					
All work carried out I.A.W. P&WC					
Maintenance Manual		P/N 3021242	Rev. 59		
Overhaul Manual		P/N 3021243	Rev. 45		
This signed document is an official Log Book Entry and must be fixed in the appropriate Log Book					
This certifies that only work approved by the customer was accomplished I.A.W. FAA regulations and current Mfg. Specifications. The product is approved for return to service. Pertinent details are on file at this repair station under the assigned Work Order (W.O.) number (if applicable). Turbine Blade Warranty: New blades are warranted by manufacturer; overhauled blades are warranted by overhaul vendor; serviceable blades are inspected with applicable P&WC Manuals and are reinstalled as per customer. ATS does not warranty turbine blades.					
Authorized Signature		Date		1/23/2019	
Jesus Mendoza		Chief Inspector		1/23/19	
ATS Form# LE003					

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
4-18-19	3369.6	3369.6	69 cyc	REINSTALLED POWER SECTION S/N 6M912 AFTER PROP STRIKE
NOTE: HSI WAS PERFORMED @ THIS TIME BY J.B.				
4-17-19	3369.6			C/W AT 200 HR INSPE & "O" RING IN ST - KIT PN 321242 REV RUN SATISFACTORY THIS ENGINE IS ICE [REDACTED] R/P
9-19-19	3493.6	3493.6		R.P. ST GEN. IN 90 PN QN 2505 BG [REDACTED] A.P. [REDACTED]
9-29-19	3493.6	3493.6		C/W A 100 HR INSPE TRACTOR C/W LOST SERVICED MAIN BA
11-3-19	3567.9	3567.9		C/W A 300 HR NO2 FUEL FILTERS AND IGNITER MOVED FOR RET
12-31-2019	3669.6	3669.6		C/W A 100 HR ANNUAL C/W ST GEN BRUSH VISUAL ON BURNER ON GROUND RUN [REDACTED] IA
1-8-2020	3682.7	3682.7		YEARLY CYCLE COUNT [REDACTED] A.P. [REDACTED]

10883 LA

Signature

AME
ACA/AMO
SCA/AMO

ON ENGINE S/N PH0869-100
E MOBS 3369, 6

CTION CHANGED BRUSHES
GEN REPLACED FUEL NOZZLE
59 LEAK CLK & GROUND
SEE 8130-3 DATED 1-22-19
FOR RETURN TO SERV-

OFF 3048-006 S/N OFF 1110
1119-2 S/N ON 500085XL2

TION I.A.W. P.W. M.M. & Air
CLEANED INTAKE FILTERS
TTERY

LES CHANGE CHANGED OIL
CLK ST GEN BRUSHES CLK-
PLUG THIS ENGINE IS APP-
URN TO SERVICE L

14W P.W. M.M. & GIC LIST
CHECK CHIP DETECTOR
LAIN SATISFACTORY LEAK 'H
SATISFACTORY

188 TOTAL STARTS

65

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
4-8-2020	3776.9	3776.9		Clw A 200 Hr Inspc NOZZLES SEE DATED 3-30-2020 Re-CHIP detector GROUND RUN GOOD FOR RETURN RIP

7/20/2020 Air Tractor AT-502 N883LA S/N 502B-2883 Hobbs: 3860.4 Hr ACTT: 3860.4 Hr
Pratt&Whitney PT6A-34AG S/N PCE-PH0869 Hobbs: 3860.4 Eng TT - 3860.4 Hr Eng
TSN - 3860.4 Since HSI - 490.8 Hrs Starts - 1460 Flts - 11790

Replaced starter generator P/N 25059-2 S/N S00085XL2 with P/N 23048-0006 S/N 1110. Replaced FCU P/N 4138008-3 S/N C75192 with like serviceable item S/N C75879. Replaced flow divider p/n 3019906 with like overhauled item s/n 12675. Replaced forward fitting on flow divider dump valve hose. Chip plugs inspected, tested and re-installed. Serviced oil screen. Removed inspected, cleaned and re-installed engine air filters. Performed rigging and operational checks of prop and engine. AD's checked through 2020-14.

"I certify that this engine has been inspected I/A/W a 100 Hr Annual Inspection and was determined to be in airworthy condition".

Randy L. Ogata

8/5/2020 Air Tractor AT-502 N883LA S/N 502B-2883 Hobbs: 3879.1 Hr ACTT: 3879.1 Hr
Pratt&Whitney PT6A-34AG S/N PCE-PH0869 Hobbs: 3879.1 Eng TT - 3879.1 Hr Eng
TSN - 3879.1 Since HSI - 509.5 Hrs

Replaced starter fuel control P/N 4138008-3Y S/N C75985 with like item 0.0 TSO S/N C75879. Replaced FCU P/N 4138008-3 S/N C75192 with like serviceable item S/N C75879. Op's checked and found okay.

Randy L. Ogata
Randy L. Ogata

8/12/2020 Air Tractor AT-502B N883LA S/N 502B-2883 Hobbs: 3884.5 Hr ACTT: 3884.5 Hr

Replaced prop governor P/N 8210-002AE with serviceable like item S/N 2334263. Rigged and ops checked okay. Ref. AT Manual 10017-OM

Randy L. Ogata

8/12/2020 Air Tractor AT-502 N883LA S/N 502B-2883 Hobbs: 3884.5 Hr ACTT: 3884.5 Hr
Pratt&Whitney PT6A-34AG S/N PCE-PH0869 Hobbs: 3884.5 Eng TT - 3884.5 Hr Eng
TSN - 3884.5 Since HSI - 514.9 Hrs

Replaced engine driven fuel pump P/N 51076-7 S/N EW29683A with like overhauled item S/N 71603 Ops checked and found okay.

Randy L. Ogata

DATE: 08/26/2022

Trailer # 480903

Freight Bill Number: 277263168359 R01NBR Number:

Shipper
AIRFORCE TURBINE SERVICE
11557 HWY 359
MATHIS
TX 78368
US

Consignee
MOYER AVIATION
1751 WEST ROAD 10
ULYSSES
KS 67880
US

FedEx Freight Economy

PIECES	PKG	H/U	HM	DESCRIPTION	WGTS(LBS)	NMFC	PCF CLASS	RATE	TOTAL CHARGES
1				PO# 33217 PRAIT & WHITNEY INTERNAL COMBUSTION ENGINE- PCE-PH0869 DIMS:0001HU@ 068.0"X027.0"X033.0" 3615473386 MONICA RAMOS 6203563554 Jeff Moyer CAFE SHIP-MANAGER 000036 CUBIC FEET FUEL SURCHG LTL SHPT41.80% 2087-9000-FXF-100 035 EARNED DISCOUNT 2087-9000-FXF-109 *FXF 50101/03/22 ILS 16340 AUS INSPECTING TERMINAL 0035 CUBIC FEET	584	120790-02	070		
PREPAID - WILL INVOICE THIRD PARTY BY ACCEPTING THE SHIPMENT YOU AGREE TO BE FULLY RESPONSIBLE FOR ANY ADDITIONAL APPLICABLE CHARGES FOR DELIVERY SERVICES RENDERED INCLUDING BUT NOT LIMITED TO DETENTION **CHARGES SUBJECT TO CHANGE**									0.00

Delv. Driver & #: _____ Date: _____ Arrive: _____ Depart: _____
 # of Skids: _____ # of Pcs: _____ OS&D #: _____

Shipmt received in apparent good order with wrap intact unless otherwise noted.

Received by: _____

☐ Over ☐ Damage ☐ Exceptions:

☐ Short ☐ Wrap Broken



P.O. BOX 840
HARRISON, AR 72602-0840

fedex.com 1.866.393.4585

fedex.com/fastfreight

Date: 08-25-2022

A- 34AG PCE PH0869

SECTION
1 OF 3

RESERVE SAFETY WIRE INSP.	TQE	SFT	CAP
REAR ENGINE CONT.			
FUEL HEATER			
FUEL LINES			
OIL LINE			
VERNATHERM			
CHECK VALVE			
INLET			
TANK ADPT			
BREATHER CAP			
FUEL HEATER CK VALVE			
OIL LINE			
BOLTS			
DIP STICK			
SNAP RING			
COVERS			
#5 AND #6 PADS			
IGNITER BRACKET			
BOLTS			
LEADS			
BOX			
PLUG & STARTER DRAIN			
SCAVANGE OIL ADPTR.			
OIL LINE			
BOLTS			
PROP ADAPTER			
OIL DRAIN PIN/CHIP DETECTOR			
OIL SCAVENGE LINE			
REVERSING LINKAGE			
MOUNTING BRACKET			
ADJUSTMENT BOLT			
FCU LEVER BOLT			
PINS & WIRE ROPE			
CLAMP			
SWIVEL JOINT CASING			
CLEVIS			
WITNESS HOLES			

DATA & TRIM PLATE	
NO OIL TANK TAG	
REVERSING NOT RIGGED TAG	

Customer: **TRI-ROTOR**

Date: **08-25-2022**

W/O#: **10377**

PT6A- **34AG**

PCE **PH0869**

FINAL INSPECTION

PAGE 1 OF 3

RESERVE SAFETY WIRE INSP.	TQE	SFT	CAP	RESERVE SAFETY WIRE INSP.	TQE	SFT	CAP
REAR ENGINE	✓	✓		REAR ENGINE CONT.	✓	✓	✓
FUEL LINES	✓	✓		FUEL HEATER	✓	✓	✓
FILTER HSG.	✓	✓		FUEL LINES	✓	✓	
SCREEN HSG.	✓	✓		OIL LINE	✓	✓	
DRAIN				VERNATHERM	✓	✓	
P3 HTR CAMP	✓			CHECK VALVE	✓	✓	
				INLET			
FUEL CONTROL UNIT	✓	✓	✓	TANK ADPT	✓	✓	✓
FUEL LINES	✓	✓		BREATHER CAP	✓	✓	
P3 AIR LINES	✓	✓					
ADJUSTMENTS		✓		FUEL HEATER CK VALVE			
MIN FLOW .021		✓	✓	OIL LINE	✓	✓	
PART POWER .021	✓	✓		BOLTS	✓	✓	
DOVE .021	✓	✓					
GRAND IDLE .021	✓	✓		DIP STICK		✓	
POWR ADJ. .021	✓	✓		SNAP RING		✓	
FCU ARM .025	✓	✓					
EXTENSION .025	✓	✓		COVERS	✓	✓	✓
				#5 AND #6 PADS	✓	✓	✓
SINGLE & 2-PIECE ARM	✓	✓	✓				
NUTS (ROD ENDS)	✓	✓		IGNITER BRACKET		✓	✓
NUTS (BOLTS)	✓	✓		BOLTS		✓	✓
WITNESS HOLES				LEADS		✓	✓
SPACERS	✓			BOX	✓	✓	✓
START FLOW CONTROL	✓	✓	✓	PLUG & STARTER DRAIN	✓	✓	✓
FUEL LINES	✓	✓	(2)				
MOUNTING BRACKET	✓	✓		SCAVANGE OIL ADPTR.	✓	✓	✓
EXTENTION	✓	✓		OIL LINE	✓	✓	✓
				BOLTS	✓	✓	✓
P3 AIR FILTER	✓	✓	✓	PROP ADAPTER			
FILTER HOUSING	✓	✓					
LINES (HOUSING)	✓	✓		OIL DRAIN PIN/CHIP DETECTOR		✓	✓
LINES (REAR F/S)							
				OIL SCAVENGE LINE	✓	✓	✓
OIL PRESSURE FITTING			✓				
TEMP BULB HOUSING	✓	✓	✓	REVERSING LINKAGE	✓	✓	✓
INSURE GARLOCK SEALS	✓	✓	✓	MOUNTING BRACKET	✓	✓	✓
INSTLD & DRY				ADJUSTMENT BOLT	✓	✓	✓
BELLY BAND INSTALLED			✓	FCU LEVER BOLT	✓	✓	✓
DATA & TRIM PLATE			✓	PINS & WIRE ROPE	✓	✓	✓
NO OIL TANK TAG			✓	CLAMP	✓	✓	✓
REVERSING NOT RIGGED TAG			✓	SWIVEL JOINT CASING	✓	✓	✓
				CLEVIS	✓	✓	✓
				WITNESS HOLES	✓	✓	✓

Customer: **TRI-ROTOR**

Date: **03-25-2022**

W/O#: **10377**

PT6A- **34AG**

PCE **PH0869**

FINAL INSPECTION

PAGE 2 OF 3

RESERVE SAFETY WIRE INSP.	TQE	SFT	CAP	RESERVE SAFETY WIRE INSP.	TQE	SFT	CAP
BETWEEN REAR & CENTER F/S	—	—	—	AIR LINE	—	—	—
				BRACKET	—	—	—
P3 AIR LINES	—	—	—	CLAMP	—	—	—
GG CASE	—	—	—	REVERSING LINKAGE	—	—	—
TO CONSTANT SPD GOVERNOR	—	—	—	BRACKET	—	—	—
				CLAMP (2)	—	—	—
WASH RING	—	—	—	CS GOVERNOR	—	—	—
				ADJUSTING ROD	—	—	—
GG CS PLATE & DRAIN	—	—	—	NUTS (2)	—	—	—
				RPM ADJUSTMENT	—	—	—
TRIM STICK CAMP	—	—	—	ARM & BOLT	—	—	—
				WITNESS HOLES	—	—	—
BLEED VALVE	—	—	—		—	—	—
MOUNTING BOLTS	—	—	—	BETA ARM	—	—	—
PLUGS	—	—	—	PIN	—	—	—
				BOLT	—	—	—
PLATES & SEAL	—	—	—		—	—	—
				FRONT REV LINKAGE	—	—	—
IGNITER LEADS	—	—	—	LOW PITCH STOP	—	—	—
BRACKETS (6)	—	—	—	WIRE ROPE HOUSING	—	—	—
CLAMP (8)	—	—	—		—	—	—
				PROP OIL LEAK RING	—	—	—
FUEL LINES	—	—	—	BOLTS (8)	—	—	—
CLAMPS (4)	—	—	—	DRAIN	—	—	—
BRACKETS (1)	—	—	—	GUIDE PIN	—	—	—
					—	—	—
PLUG CENTER F/S	—	—	—	PROP TRANSFER TUBE	—	—	—
				TUBE	—	—	—
FRONT	—	—	—	COVER	—	—	—
					—	—	—
FUEL NOZZLES	—	—	—	PLUG OIL SCREEN	—	—	—
TO BOLTS (36-40)	—	—	—	CHIP DETECTOR	—	—	—
TO LINES	—	—	—	PRESSURE ELBOW	—	—	—
C FLANGE	—	—	—	TORQUE FITTING	—	—	—
				TORQUE BREATHER	—	—	—
IGNITER LEADS	—	—	—		—	—	—
BRACKETS (2)	—	—	—	COVERS INSTALLED	—	—	—
CLAMPS (2)	—	—	—	INLET SCREEN	—	—	—
ENDS (2)	—	—	—	TACH DR. (2)	—	—	—
				EXHAUST DUCT	—	—	—
PIGTAIL	—	—	—	EXT. SC PUMP	—	—	—
TRIM STICK	—	—	—	PS GOVERNOR	—	—	—
BOLTS	—	—	—	PROPELLER	—	—	—
				STARTER GENERATOR	—	—	—
				OPTIONAL DRIVE	—	—	—

Date: 08-25-2022

PCE PH0869

PAGE 3 OF 3

SHIPPING INSPECTION:

- ☒ CHECK "NO OIL IN TANK" TAG
- ☒ CHECK "REVERSING NOT RIGGED" TAG
- ☒ CHECK PRESERVATION SAFETY WIRE INSPECTION PAPER WORK
- ☒ CHECK USED ENGINE PROBLEM PAPER WORK
- ☒ ENGINE PROPERLY SECURED IN SHIPPING CONTAINER
- ☒ LOG BOOKS SHIPPED SEPARATELY

Mechanic [REDACTED]

Inspector _____

Date 03-25-2022

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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Airforce Turbine Service P.O. Box 146 Tynan, TX 78391 www.pt6a.aero	 ATS	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">Certified Repair Station</th> </tr> <tr> <td colspan="2" style="text-align: center;">TQZR133K</td> </tr> <tr> <td>Phone</td> <td style="background-color: black;"></td> </tr> <tr> <td>Fax</td> <td style="background-color: black;"></td> </tr> </table>	Certified Repair Station		TQZR133K		Phone		Fax	
Certified Repair Station										
TQZR133K										
Phone										
Fax										

Cycle Sheet				
W.O.	10377	Date	8/25/22	
A/C Reg.	A/C Model	Eng Model	Eng S/N (PCE#)	Tach/Hobbs
N833LA	AT-502B	PT6A-34AG	PH0869	3,900
Eng TT	Eng TSO	Eng CSN	Eng CSO	Eng TSHSI
3,900	N/A	Starts: 1,460 Flights: 11,790	N/A	0.0

Work Performed	
- Compressor Repair 100 Hour Inspection - Hot Section Inspection - Clean and Flow Fuel Nozzles	Parts List Attached

Remarks: Verified FAA Airworthy Directive 2022-08-13. AD not applicable due to no repairs done by Southwest Turbine Inc, on CT Vane Ring installed.

Cycle Sheet per P&WC SB 1002R26				
Nomenclature	P/N	S/N	Cycles	
			Consumed	Remaining
1 st Stg. Hub	3013111	RWA80D798	1,532	17,468
2 nd Stg. Disk	3013712	A0038EW5	4,738	19,262
3 rd Stg. Disk	3011713	A00388C9	4,026	20,974
Impeller	3013176	EAA0000X908	3,548	15,452
CT Disk	3013411	YUAA012A736	4,408	11,592

All work carried out I.A.W. P&WC

Maintenance Manual	P/N	3021242	Rev.	67
Overhaul Manual	P/N	3021243	Rev.	49

This signed document is an official Log Book Entry and must be fixed in the appropriate Log Book

This certifies that only work approved by the customer was accomplished I.A.W. FAA regulations and current Mfg. Specifications. The product is approved for return to service. Pertinent details are on file at this repair station under the assigned Work Order (W.O.) number (if applicable). Turbine Blade Warranty: New blades are warranted by manufacturer; overhauled blades are warranted by overhaul vendor; serviceable blades are inspected with applicable P&WC Manuals and are reinstalled as per customer. ATS does not warranty turbine blades.

Authorized Signature Augustine Lara	Date <u>8/25/22</u> 8/25/22
---	--------------------------------

ATS Form# LE003

MOYER AVIATION, Inc.

Date: 11/2/2022

Aircraft: N15189 Hobbs Time: 3377.3 ACTT: 8065.9 Engine TT: 3900.0 TSHOT: 0.0

Engine:

Install PT6A-34AG, SN: PCE-PH0869 on N15189, service engine with Eastman 2380 oil. Rig engine controls, test run and leak check

A&P/IA: [REDACTED] Mechanic: Jeff Moyer [REDACTED]

MOYER AVIATION, Inc.

Date: 6/19/2023

Aircraft: N15189 Hobbs Time: 3571.8 ACTT: 8260.4 Engine TT: 3900.0 TSHOT: 194.5

Engine:

Perform a 100 hour inspection this date IAW Air Tractor/Pratt & Whitney Maintenance Manual.

- Inspect chip detector and light, ignition system, T5, P3, oil screen
- Install new FCU filter PN: 6235-3A
- Install Tri Rotor spare fuel nozzle set inspected by Airforce Turbine Service WO# 10898

I certify that as of this date, this engine has been inspected IAW a 100 hour inspection and is returned to service.

A&P/IA: [Redacted] Mechanic: Jeff Moyer [Redacted]

MOYER AVIATION, Inc.

Date: 1/1/2024

Aircraft: N15189 Hobbs Time: 3825.5 ACTT: 8514.1 Engine TT: 4348.2 TSHOT: 448.2

[Starts: 167 Flights: 678 Since Engine Installation on 11/2/2022 at 3900.0 Engine Total Time]

Engine:

Perform a 100 Hour/Annual inspection this date IAW Air Tractor/Pratt & Whitney Maintenance Manual.

- Install exchange set of fuel nozzles AFT WO# 11237
- Inspect chip detector and light, ignition system, T5, P3, oil screen
- Install new FCU filter PN: 6235-3A
- Install new oil filter 7579431AM
- Install 2 new CH34055 ignitors and gaskets 3010880
- Install 7 new fuel nozzle transfer tubes CA3011155
- Remove and inspect starter generator splines and brushes, reinstall.

I certify that as of this date, this engine has been inspected IAW a 100 Hour/Annual inspection and is in airworthy condition.

A&P/IA: [Redacted] Mechanic: Jeff Moyer [Redacted]

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 11212	
4. Organization Name and Address:  Airforce Turbine Service www.PT6A.aero FAA CRS TQZR133K P.O. Box 146, Tynan, TX 78391 11557 Hwy 359, Mathis, TX 78368 [Redacted] FAA Approval Holder: TQZR133K		5. Work Order, Contract, or Invoice Number: W/O#11237		11. Status/Work:	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:
1.	INLET ADAPTER	3019754	1	ATS-988	INSPECTED
2.	PRIMARY ADAPTERS	3106347-01	10	N/A	
3.	SECONDARY ADAPTERS	3106346-01	3	N/A	
12. Remarks: N15189 FAILURE 1/1/2024 @ 8514.1KT CLEAN & FLOW CHECKED					
Certifies work specified in Blocks 11/12 was carried out in accordance with EASA Part 145, and with respect to that work, the component is ready for release to service under EASA Part 145 Approval number EASA.145.6348.					
Pertinent details are on file at this repair station under the assigned work order.					
Inspected in accordance with PWC M/M3021242R71					
5					
13a. Certifies the items identified above were manufactured in conformity to:		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12		14b. Authorized Signature: [Redacted]	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, and part 43 and in respect to that work, the items are approved for return to service.		14c. Approval/Certificate No.: TQZR133K	
13b. Authorized Signature	13c. Approval/Authorization No.:	14d. Name (Typed or Printed): ALEX GARCIA		14e. Date (dd/mm/yyyy): 21 Sep 2023	
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):				

FAA Form 8130-3 (02-14)

User/Installer Responsibilities

It is important to understand the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/articles(S) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 10869			
4. Organization Name and Address:  Airforce Turbine Service www.PT6A.aero FAA CRS TQZR133K P.O. Box 146, Tynan, TX 78391 11557 Hwy 359, Mathis, TX 78368 FAA Approval Holder: TQZR133K	5. Work Order, Contract, or Invoice Number: WO#10898				
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:
1. INLET ADAPTER		3106345-01	1	CPWAZ70	
2. PRIMARY ADAPTERS		3106347-01	10	N/A	
3. SECONDARY ADAPTERS		3106346-01	3	N/A	INSPECTED
12. Remarks: CLEAN & FLOW CHECKED N15189 20500050 6/19/2023 8260.4 ACTT					
Certifies work specified in Blocks 11/12 was carried out in accordance with EASA Part 145, and with respect to that work, the component is ready for release to service under EASA Part 145 Approval number EASA.145.6348.					
Pertinent details are on file at this repair station under the assigned work order.					
Inspected in accordance with PWC M/M 3021242R67					
5					
13a. Certifies the items identified above were manufactured in conformity to:		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12			
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, and part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature	13c. Approval/Authorization No.:	14b. Authorized Signature:		14c. Approval/Certificate No.:	
				TQZR133K	
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):	
		ALEX GARCIA		05 DEC 2022	

FAA Form 8130-3 (02-14)

User/Installer Responsibilities

It is important to understand the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/articles(S) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Section 5: Record of engine major modifications and repairs, and supplemental Instructions for Continued Airworthiness (ICA)

[illegible]

PRATT & WHITNEY CANADA
ENGINE BUILD RECORD STATUS

THE FOLLOWING SERVICE BULLETINS ARE BASIC TO :

ENGINE SERIAL NO. PCE-PH0869
ENGINE MODEL PT6A-34AG
BUILD SPEC 975

SERVICE BULLETINS

1223	1224	1231	1232	1247	1255	1259	1261	1263
1270	1276	1277	1280	1281	1283	1288	1293	1296
1300	1306	1310	1315	1318	1320	1321	1322	1326
1327	1332	1338	1339	1346	1352	1354	1357	1358
1361	1367	1370	1372	1374	1379	1381	1389	1390
1391	1393	1394	1395	1397	1404	1410	1416	1426
1427	1430	1434	1439	1441	1445	1446	1457	1459
1469	1472	1473	1474	1475	1477	1478	1479	1481
1484	1486	1487	1488	1489	1490*	1492	1493	1495
1498	1500	1501	1503	1506	1508	1513	1516	1518
1519	1520	1522	1524	1527	1528	1534	1537	1538
1540	1544	1545	1550	1553	1554	1556	1560	1562
1564	1566	1567	1568	1570	1572	1578	1583	1584
1591	1598	1613	1614	1621	1627	1630	1637	1638
1642	1647	1650	1651	1652	1654	1655	1658	1659
1660	1661	1662	1663	1664	1666	1668	1670	1673
1678	1679	1681	1689	1693				

* DENOTES PARTIAL INCORPORATION OF SERVICE BULLETIN
SB# PARTS INTRODUCED AT ENGINE BUILD.
1490 3039939 3116033-01 3116679-01

APPROVED BY:



DATE: 2012.12.06

8/29/22

Customer Name: TRI-ROTOR

ETI: 3,900.0

*Used total S/F provided via email by Jeff Moyer

PCE-PH0869

PT6A-34AG

<i>Nom</i>	<i>P/N</i>	<i>S/N</i>	<i>Starts</i>	<i>Flights</i>	<i>ACF</i>	<i>FCF</i>	<i>Old</i>	<i>Life(K)</i>	<i>New</i>	<i>Consumed</i>	<i>Remaining</i>
Hub, Compressor	3013111	RWA80D798	1,475	11,912	5	0.43	0	19	1532	1532	17468
2nd Stg Disk	3013712	A0038EW5	1,475	11,912	5	1.33	0	24	4738	4738	19262
3rd Stg Disk	3011713	A00388C9	1,475	11,912	5	1.13	0	25	4026	4026	20974
Impeller	3013176	EAA0000X908	1,475	11,912	2	0.53	0	19	3548	3548	15452
CT Disk	3013411	YUAA012A736	1,475	11,912	10	1.75	0	16	4408	4408	11592
PT Disk	3026812	TDB	0	0	10	1	0	24	0	0	24000

PWC SB

[REDACTED]

From: Moyer Aviation [REDACTED]
Sent: Monday, August 29, 2022 12:17 PM
To: [REDACTED]
Subject: Re: PH0869 starts and flights inquiry

[REDACTED]

Referencing the logbook entry on 7/20/2020 the total starts and flights are listed at Starts at 1460 and flights at 11790.

From that entry 39.6 hours was accrued. The starts and flights for that 39.6 hours is 15 starts and 122 flights making the ~~total starts and flights for that engine at 1,475 starts and 11,912 flights.~~

Let me know is you have any questions.

Jeff Moyer
Moyer Aviation Inc.
[REDACTED]

From: [REDACTED]
To: [REDACTED]
Sent: Monday, August 29, 2022 11:37:08 AM
Subject: PH0869 starts and flights inquiry

Please see attached,

Thank You,

[REDACTED]

Airforce Turbine Service (ATS)
O: 11557 Hwy 359 Mathis, TX 78368

[REDACTED]

www.pt6a.aero

