

Transport  
Canada

Transports  
Canada

TP 14182  
(Revised 05/2005)

# Engine Logbook

TC1001185



05/2005

Canada

The subject aircraft was involved in an incident / accident on 7/15/2025 rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: 5768744964US.

Signed: ***Underwriters Salvage Company***

Date: **11/24/2025**

AIG Aerospace Adjustment Services Inc  
3500 Lenox Road, Suite 1100  
Atlanta, GA 30326

Section 1: Record of engine maintenance and elementary work

**PRIMETURBINES**

A PAG Company

F.A.A. Certified Repair Station No. 3A6R191B

485 Airport Road Butler, Pennsylvania 16002 (USA) Main 724.586.0124 Fax 724.586.0126

[www.primeturbines.com](http://www.primeturbines.com)

Date: 11-13-23	Tach/Hobbs: 2705.4	Engine Model: PT6A-34AG	Engine S/N: PC-E PH0732	Acft. Reg. No: N647RA
Engine T.T. 2705.4	TSOH: NA	Engine T.C. 2829		Acft.Mod/Ser No: AT402B-1248

Complied with hot section inspection, shipped the following parts to Prime Butler, PA facility for inspection and repairs. Cleaned and Inspected CT Disk Assembly PN 3013411 SN YUAA009A961. CT Blades PN 3120751-01 found corroded and assessed at Stage 3 Advanced Corrosion (Sulfidation). Replaced CT Blades with 58 each New PN E3045741-01. Assembled, Trued and Balanced. O.D. - 8.549". Disassembled, Cleaned and Inspected Small Exit Duct Assembly PN 3029248 SN RWA54D305. Found CT Vane Ring PN 3032151CL03 SN HLAAB051 cracked beyond serviceable limits. Sent CT Vane Ring PN 3032151CL03 SN HLAAB051 to Pratt & Whitney Component Repairs for Overhaul under Repair Order V15351. Received back CT Vane Ring PN 3123201CL03 SN HLAAB051 in Overhauled condition. Segments PN 3018503CL7 found below dimension needed for CT Disk diameter. Replaced Segments with 9 each New PN PF3018503CL9. Reassembled Small Exit Duct Assembly. Replaced #2 Bearing Cover PN 3016058 SN FNA904 with Overhauled PN 3123806-01 SN 208-41. Seal Ring PN 3024992 found worn and fretted. Replace Seal Ring with New PN 3024992CP. Complied with Service Bulletin 1768. Inspected Bleed Valve PN 3075033-01 SN AHX1500155. Replaced Diaphragm with New PN CA3103347-01. Reassembled and Leak Tested. Cleaned, Inspected and Functionally Tested Fuel Nozzles. No defects. Reassembled engine with repaired parts. Customer to perform ground run for leak and performance test.

All IAW PWC MM PN 3021242 Rev. 71.0 Dated 21/AUG/2023 and Overhaul Manual PN 3021243 Rev. 50.0 Dated 24/OCT/2022

**MAINTENANCE RELEASE:** The aircraft, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulation and is approved for return to service. Pertinent details of the repair are on file at this repair station under work order No: P4069.

*L.S. Black*

Authorized Signature:

Date: 11-13-23

REG #: N647RA  
SN: 402B-1248  
ENG S/N PCE-PH0732  
Date: 04/02/2024

Hobbs: 0.0  
Engine TT: 2705.4  
TSHSI: 0.0  
Yearly Starts/Flights: 31/179

ACTT: 2705.4  
Engine TSO: 2705.4  
Total Eng Starts: 325  
Total Eng Flights: 2829

**ENGINE LOG ENTRY**

**INSPECTION:**

- Completed a 100 Hour/Annual Inspection of the Engine using Air Tractor Inc., 402B Series Maintenance Manual Inspection Checklist and 14 CFR 43 Appendix D as a guide.
- Completed 100 Hour, Minor, and Routine Pratt & Whitney periodic inspections in accordance with Pratt and Whitney Canada PT6A-34AG Maintenance Manual 72-00-00 table 602. No discrepancies noted.
- Completed all 100 Hour, 200 Hour, and 12 Month Inspection items in accordance with Air Tractor Inc., 402B Series Maintenance Manual Routine Maintenance Inspection Checklist.

**SPECIAL INSPECTION:**

- Complied with 300 Hour fuel pump inlet screen clean and inspect in accordance with Pratt & Whitney Canada PT6A-34AG Maintenance Manual.
- Complied with 300 Hour fuel pump outlet filter replacement in accordance with Pratt & Whitney Canada PT6A-34AG Maintenance Manual.
- Complied with 12 Month/600 Hour chip detector operational test & condition check in accordance with Air Tractor Inc., 402B Series Maintenance Manual and Pratt & Whitney Canada PT6A-34AG Maintenance Manual.
- Complied with 200 Hour oil filter cleaning, accessory gearbox, scavenge oil pump inlet screen inspection in accordance with Pratt & Whitney Canada PT6A-34AG Maintenance Manual.
- Complied with 300 Hour Inspection, Cleaning, and Flow Testing of all engine fuel nozzles per Pratt & Whitney Canada PT6A-34AG Maintenance Manual Chapter 73-00-00. Reinstalled Repaired fuel nozzles P/N 3106347-01 (10ea.), P/N 3106346-01 (3ea.), and P/N 3106345-01 (1ea.) with new gaskets and O-rings P/N AS3209-09. Torqued and safetied assemblies as required. Operation and leak checked, no discrepancies noted. Reference 3ea. FAA Form 8130-3's from Prime Turbines (CRS# 3A6R191B) under work order No. P4069, dated 08/28/2023 for details.

**MAINTENANCE:**

- Completed engine compressor wash in accordance with Pratt & Whitney PT6A-34AG Maintenance Manual.
- Researched applicable Airworthiness Directives through Biweekly 2024-06. Reference Aircraft Technical Publishers Airworthiness Directive Work Sheets for a complete listing of compliance of Airworthiness Directives.

I certify this ENGINE has been inspected in accordance with an 100Hr/Annual Inspection per FAA Regulation 14 CFR 91.409 (f) (3) using the manufacturer's inspection program and 14 CFR 43 Appendix D and is determined to be in airworthy condition and approved for return to service.

**END**  
SIGNED

*Jason D Staver*  
Jason D Staver 3031805 IA

REG #: N647RA  
SN: 402B-1248  
ENG S/N PCE-PH0732  
Date: 09/30/2024

Hobbs: 72.8  
Engine TT: 2778.2  
TSHSI: 72.8  
Yearly Starts/Flights: 20/104

**ENGINE LOG ENTRY**

- Completed a 100 Hour/Annual Inspection of the Engine using Air Tractor Inc., 402B Series Maintenance Manual Inspection Checklist and 14 CFR 43 Appendix D as a guide.
- Completed 100 Hour, Minor, and Routine Pratt & Whitney periodic inspections in accordance with Pratt and Whitney Canada PT6A-34AG Maintenance Manual 72-00-00 table 602. No discrepancies noted.
- Completed all 100 Hour, 200 Hour, 300 Hour, and 12 Month Inspection items in accordance with Air Tractor Inc., 402B Series Maintenance Manual Routine Maintenance Inspection Checklist.

**SPECIAL INSPECTION:**

- Complied with 1000 Hour Inspection/Replacement of Oil Filter Assembly. Installed new oil filter assembly P/N 7579522AM in accordance with Pratt & Whitney PT6A-34AG Maintenance Manual.
- Complied with 12 Month/600 Hour chip detector operational test & condition check in accordance with Air Tractor Inc., 402B Series Maintenance Manual and Pratt & Whitney Canada PT6A-34AG Maintenance Manual.

- Researched applicable Airworthiness Directives through Biweekly 2024-20. Reference TBX Airworthiness Directive Work Sheets for a complete listing of compliance of Airworthiness Directives.

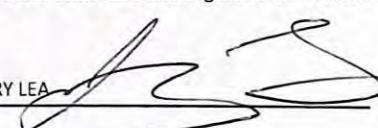
I certify this ENGINE has been inspected in accordance with an 100Hr/Annual Inspection per FAA Regulation 14 CFR 91.409 (f) (3) using the manufacturer's inspection program and 14 CFR 43 Appendix D and is determined to be in airworthy condition and approved for return to service.

**END**  
SIGNED

*Jason D Staver*  
Jason D Staver 3031805 IA

ACTT: 2778.2  
Engine TSO: 2778.2  
Total Eng Starts: 345  
Total Eng Flights: 2933

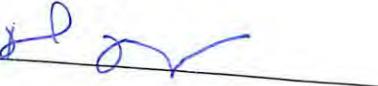
## Section 1: Record of engine maintenance and elementary work

1053 N. Eastern Ave, Brawley, CA 92227					
Date: 2/1/2020	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2247.1	CSN 2426	CSHSI 77	Model: PT6A-34AG		
TSN: 2247.1	TSHSI 521.1	SN# PCE-PH0732			
C\W provisions of a Annual/100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, Performed an Engine Run Op's check and No leaks noted. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		
1053 N. Eastern Ave, Brawley, CA 92227					
Date: 3/1/2021	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2308.2	CSN 2438	CSHSI 89	Model: PT6A-34AG		
TSN: 2308.2	TSHSI 582.2	SN# PCE-PH0732			
C\W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00. Replaced /cleaned Fuel filter, Oil Filter. Replaced the air filter (pn BA409E). Performed ground Op's check run, No leaks noted. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		
1053 N. Eastern Ave, Brawley, CA 92227					
Date: 6/7/2021	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2370.6	CSN 2450	CSHSI 101	Model: PT6A-34AG		
TSN: 2370.6	TSHSI 644.6	SN# PCE-PH0732			
Removed the Engine POWER SECTION for inspection & repair, due to tightness in the engine power section.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		

Engine Type/Model: PT6A-34AG Engine Serial Number: PC-E PH0732  
 TSN: 2370.6 CYSN: 2370 TSO: n/a CYSO: n/a  
 Hobbs: 2370.6

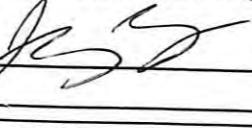
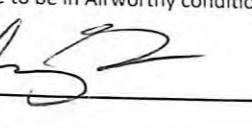
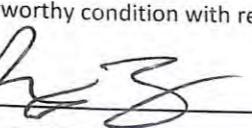
Power section partially disassembled for inspection. Removed 3011527 cl.1 transfer sleeve and installed 3011527 cl.2 transfer sleeve. Re-assembled power section. All work performed I/A/W facility.

Work Order No. nil

Signed by 

Date 21JUN2021

For: R.T. Turbines Inc.  
 3397 Hwy. 121 West  
 Marianna, AR. 72360  
 CRS # MW9R610J

1053 N. Eastern Ave, Brawley, CA 92227					
Date: 6/23/2021	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2370.6	CSN 2450	CSHSI 101	Model: PT6A-34AG		
TSN: 2370.6	TSHSI 644.6	SN# PCE-PH0732			
Reinstalled Power Section after it was repaired by R.T. Turbines Inc.(WO# nil). Power Section was installed IAW PRATT & WHITNEY CANADA MAINTENANCE MANUAL (pn 3021242), Chap. 72-00-00, Para.B, Pages 407-410. Performed ground Op's check run and leak check, No defects noted at this time. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to return to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		
1053 N. Eastern Ave, Brawley, CA 92227					
Date: 7/12/2021	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2372.4	CSN 2452	CSHSI 103	Model: PT6A-34AG		
TSN: 2372.4	TSHSI 646.4	SN# PCE-PH0732			
Removed & Replaced both Igniter plugs (pn CH34055) with new washers (pn 3010880), IAW PRATT & WHITNEY Maintenance Manual, Chap. 74-00-00, Page 202. Ops. Check good at this time. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to return to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		
1053 N. Eastern Ave, Brawley, CA 92227					
Date: 3/31/2022	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2413.2	CSN 2457	CSHSI 108	Model: PT6A-34AG		
TSN: 2413.2	TSHSI 687.2	SN# PCE-PH0732			
C\W provisions of a 100 hr. inspection in ref. to Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00. Replaced Fuel filter and Oil Filter. Removed, inspected, cleaned and reinstalled the X Flow inlet air filter. Drained oil and serviced eng. with EASTMAN 2380 oil. Removed and replaced fuel nozzles with Overhauled units from Tennessee Aircraft Co. (WO# 1048) (Tracking# 80787). Performed ground Op's check run, No defects or leaks noted at this time. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to returned to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		
1053 N. Eastern Ave, Brawley, CA 92227					
Date: 4/1/2023	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2520.7	CSN 2470	CSHSI 121	Model: PT6A-34AG		
TSN: 2520.7	TSHSI 794.7	SN# PCE-PH0732			
C\W provisions of a 100 hr. inspection in ref. to Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00. Replaced Fuel filter and Oil Filter. Removed, inspected, cleaned and reinstalled the X Flow inlet air filter. Performed ground Op's check run, No defects or leaks noted at this time. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to returned to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		
1053 N. Eastern Ave, Brawley, CA 92227					
Date: 6/16/2023	Reg. No: N647RA	Make: Pratt&Whitney			
Hobbs time: 2591.7	CSN 2478	CSHSI 129	Model: PT6A-34AG		
TSN: 2591.7	TSHSI 865.7	SN# PCE-PH0732			
C\W provisions of a 100 hr. inspection in ref. to Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00. Replaced Fuel filter. Removed, inspected, cleaned and reinstalled the X Flow inlet air filter. Removed Starter Gen. (sn 99082) and installed OVERHAULED Starter Gen (pn 250SG11Q-2) (sn S00269XL2). Performed ground Op's check run, No defects or leaks noted at this time. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to returned to service.					
Signature: JERRY LEA 			Certificate #: A&P3063541IA		

## Section 1: Record of engine maintenance and elementary work

1053 N. Eastern Ave, Brawley, CA 92227

Date: 5/18/2018	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 1803.8	CSN 2356	Model: PT6A-34AG
TSN: 1803.8	TSHSI 77.8	SN# PCE-PH0732

C\W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, which checklist is on file at Farm Aviation, Inc. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: JERRY LEA

Certificate #: A&P3063541

1053 N. Eastern Ave, Brawley, CA 92227

Date: 7/12/2018	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 1903	CSN 2371	Model: PT6A-34AG
TSN: 1903	TSHSI 177	SN# PCE-PH0732

C\W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, Performed an Engine Check Run Op's check and No leaks noted. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: Jaime R. Zavala

Certificate #: A&P3955612

1053 N. Eastern Ave, Brawley, CA 92227

Date: 9/7/2018	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 2002.5	CSN 2371	Model: PT6A-34AG
TSN: 2002.5	TSHSI 252.5	SN# PCE-PH0732

C\W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, Replaced /cleaned Fuel filter, Oil Filter And P3 Filter Performed an Engine Check Run Op's check and No leaks noted. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: Jaime R. Zavala

Certificate #: A&P3955612

1053 N. Eastern Ave, Brawley, CA 92227

Date: 10/17/2018	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 2101.5	CSN 2388	Model: PT6A-34AG
TSN: 2101.5	TSHSI 375.5	SN# PCE-PH0732

Performed a 100 Hour Inspection in reference to Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00. Removed and replaced fuel nozzles with overhauled units. Drained engine oil and serviced engine with Eastman 2380. Cleaned Fuel Filter, Oil Filter, and P3 Filter. Performed run up and leak check with no discrepancies noted. I find this Engine to be in Airworthy condition at this time.

Signature: J. Tamashiro

Certificate #: A&P 3723539

1053 N. Eastern Ave, Brawley, CA 92227

Date: 10/18/2018	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 2105.7	CSN 2389	Model: PT6A-34AG
TSN: 2105.7	TSHSI 379.7	SN# PCE-PH0732

Removed Power Section for lightning strike inspection due to wire strike.

Certificate #: A&P 3723539

CSHSI	10
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CSHSI	65
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Signature	AME ACA/AMO SCA/AMO
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Engine Type/Model: PT6A-34AG Engine Serial Number: PC-E PH0732  
TSN: 2105.7 CYSN: 2389 TSO: n/a CYSO: n/a  
Hobbs: 2105.7

Power section disassembled for lightning strike inspection. Installed O/H #6, #5, and #4 bearings. Installed new prop shaft seal and new seal runner. De-magnetized all affected internal components and their attaching hardware. Installed 5 ea. serviceable #2 planetary gears with new bushings (post SB1404). Installed O/H second stage carrier. Complied with SB 1356, introduction of cast-iron sleeve. Re-assembled power section. All work performed I/A/W current FAA regulations and current manufacturers data. Pertinent details are on file at this facility.

Work Order No. 02997

Date 07DEC2018

Signed by

For: R.T. Turbines Inc.  
3397 Hwy. 121 West  
Marianna, AR. 72360  
CRS # MW9R610J

1053 N. Eastern Ave, Brawley, CA 92227

Date: 1/30/2019	Reg. No: N647RA	Make: Air Tractor
Hobbs time: 2105.7	TSN: 2105.7	Model: AT-402B

Installed Inspected Power Turbine section. Ground run, leaked checked and found to operate satisfactory. At this time I find this Powerplant to be in Airworthy Condition in respect to work performed.

Signature: Jaime R. Zavala

Certificate #: A&P 3955612

1053 N. Eastern Ave, Brawley, CA 92227

Date: 1/30/2019	Reg. No: N647RA	Make: Air Tractor
Hobbs time: 2105.7	TSN: 2105.7	Model: AT-402B

Installed Overhauled Woodward Governor PN 8210-002-01 Sn 12162821 IAW Pratt & Whitney MAINTENANCE MANUAL PART NO. 3021242.

Signature: Jaime R. Zavala

Certificate #: A&P 3955612

1053 N. Eastern Ave, Brawley, CA 92227

Date: 6/1/2019	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 2208.7	CSN 2414	Model: PT6A-34AG
TSN: 2208.7	TSHSI 482.7	SN# PCE-PH0732

C\W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, Performed an Engine Check Run Op's check and No leaks noted. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: Jaime R Zavala

Certificate #: A&P 3955612

1053 N. Eastern Ave, Brawley, CA 92227	Model:	AT 402D
Date: 1/30/2019	Reg. No: N647RA	Make: Pratt&Whitney
Hobbs time: 2105.7	CSN 2389	Model PI6A-34AG
TSN: 2105.7	TSHSI 379.7	SN# PCF-PI60732

CVW provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap 72-00-00, Performed an Engine Check Run Op's check and No leaks noted. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: JERRY LEA

Certificate #: A&F3003541A

Section 1: Record of engine maintenance and elementary work



**JD'S PLANE REPAIR, LLC**  
12106 FM 400, Slaton, TX 79364  
HANGER #10  
PH: 432-788-7137  
WWW.JDPLANEREPAIR.COM

9-5-17  
Hobbs time 1454.7

Performed 100hr inspection on engine. Ohm checked chip Detector. Inspected and cleaned oil filter. Cleaned fuel pump inlet screen and installed New engine driven fuel pump filter. Checked and cleaned firewall fuel filter. Checked all engine controls. Checked all fluid lines. Inspected air inlet, air box. Replaced air filter. Checked engine mounts for cracks. Removed fuel nozzles and Replaced with overhauled set form CTS Turbines. Performed borescope inspection with no defects noted at this time. Ground runs C/W no defects noted.

I certify this engine to be airworthy and return to service.

Signature: Jonathan Siemens, A&P IA 3288274

1053 N. Eastern Ave, Brawley, CA 92227

Date: 11/17/2017 Reg. No: N647RA  
Hobbs time: 1549.2 CSN 0 CSHSI  
TSN: 1549.2 TSHSI

Make: Pratt&Whitney  
Model: PT6A-34AG  
SN# PCE-PH0732

C/W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, which checklist is on file at Farm Aviation, Inc. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: JERRY LEA

Certificate #: A&P3063541

1053 N. Eastern Ave, Brawley, CA 92227

Date: 12/15/2017 Reg. No: N647RA  
Hobbs time: 1570.6 CSN 2306 CSHSI  
TSN: 1570.6 TSHSI

Make: Pratt&Whitney  
Model: PT6A-34AG  
SN# PCE-PH0732

Removed Prop. Governor (pn 8210-002-01 sn 17913503) and Installed Repaired Prop. Governor (pn 8210-002-01 sn 2133863), IAW Pratt & Whitney MM PN 3021242 Chap.61-20-00. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: JERRY LEA

Certificate #: A&P3063541

1053 N. Eastern Ave, Brawley, CA 92227

Date: 1/29/2018 Reg. No: N647RA  
Hobbs time: 1594.5 CSN 2330 CSHSI  
TSN: 1594.5 TSHSI

Make: Pratt&Whitney  
Model: PT6A-34AG  
SN# PCE-PH0732

C/W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, which checklist is on file at Farm Aviation, Inc. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: JERRY LEA

Certificate #: A&P3063541

1053 N. Eastern Ave, Brawley, CA 92227

Date: 3/15/2018 Reg. No: N647RA  
Hobbs time: 1706.3 CSN 2344 CSHSI  
TSN: 1706.3 TSHSI

Make: Pratt&Whitney  
Model: PT6A-34AG  
SN# PCE-PH0732

C/W provisions of a 100 hr. inspection IAW Pratt & Whitney Periodic Inspection guide, Chap. 72-00-00, which checklist is on file at Farm Aviation, Inc. At this time I find this Engine to be in Airworthy condition with respect to the work performed and is ready to be returned to service.

Signature: JERRY LEA

Certificate #: A&P3063541

ENGINE MODEL:  
PT6A-34AG  
ENGINE S/N:  
PCE-PH0732  
REG. NO: N647RA  
WORK ORDER:  
4117-03-2018

Valley Air Crafts.  
P.O. BOX 566  
Tulare, California 93275  
Phone: 559-686-7401

DATE: 3/22/2018  
A/C TSN: 1726  
ENG TT: 85  
HOBBS: 1726

Engine Entries

(1) Split the engine at the "C" flange. Removed the combustion liner, CT disk and blades, and the guide vane assembly. Inspected all of the components. Found a minor rub on the segments in the 9:00 to 11:00 o'clock area. Reinstalled the guide vane assembly. Performed a touch-up grind on the segments. Reinstalled the CT disk and measured the CT blade to segment clearance at an average of .0011". Installed the combustion liner and reassembled the engine. Installed two new igniters. Installed an overhauled set of fuel nozzles. Engine ground checked for leaks and performance. Operation normal. (2) Removed the oil pressure relief valve and installed a shim to raise the oil pressure to 98 PSI indicated. Cleaned the oil filter assembly. Replaced the o-rings on the oil filter and the oil filter adapter. Serviced the engine with Eastman 2380 oil.

DATE: 3/22/2018

SIGNED: Michael Schoenau, A&P 3262337

Work Order: 4117-03-2018  
Printed by EBis 3 (datcomedia.com)

Eng. TT ERROR  
Jaime Zaugla A&P 395562  
Jan 21

1 of 1

ENGINE MODEL:  
PT6A-34AG  
ENGINE S/N:  
PCE-PH0732  
REG. NO: N647RA  
WORK ORDER:  
4117-03-2018

Valley Air Crafts.  
P.O. BOX 566  
Tulare, California 93275  
Phone: 559-686-7401

DATE: 3/22/2018  
A/C TSN: 1726  
ENG TT: 1726  
HOBBS: 1726

Engine Entries

(1) Split the engine at the "C" flange. Removed the combustion liner, CT disk and blades, and the guide vane assembly. Inspected all of the components. Found a minor rub on the segments in the 9:00 to 11:00 o'clock area. Reinstalled the guide vane assembly. Performed a touch-up grind on the segments. Reinstalled the CT disk and measured the CT blade to segment clearance at an average of .0011". Installed the combustion liner and reassembled the engine. Installed two new igniters. Installed an overhauled set of fuel nozzles. Engine ground checked for leaks and performance. Operation normal. (2) Removed the oil pressure relief valve and installed a shim to raise the oil pressure to 98 PSI indicated. Cleaned the oil filter assembly. Replaced the o-rings on the oil filter and the oil filter adapter. Serviced the engine with Eastman 2380 oil.

DATE: 3/22/2018

SIGNED: Michael Schoenau, A&P 3262337

Work Order: 4117-03-2018  
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1 of 1

## Section 1: Record of engine maintenance and elementary work



DATE: 7-1-2017 HOBBS/TT: 1382.9 R&R POWER SECTION FOR WIRE  
STRIKE INSPECTION (SEE TAGS). RUN-UP AND LEAK CHECK SATISFACTORY. ---  
END---

~~END...~~

STEVEN R RICE A&P 2822642

Section 1: Record of engine maintenance and elementary work

Date	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
13 JAN 2012	0.0	0.0	0	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.	TRIM SPEED Ng 35656, % Ng MAX: 95.1 M. VANMAANEN 617	T.C. 4-56 NO. 039

Air Tractor, Inc., 1524 Leland Snow Way, P.O. Box 485, Olney, Texas 76374  
FAA Production Approval Holder PC 2SW

Date	Engine Model	Engine Serial Number		
February 21, 2012	PT6A-34AG	PCE-PH0732		
Engine - Time Run	Engine - TTSN	Engine - Flights	Engine - Starts	Engine - TSOH
1.1 Hours	1.1 Hours	5	5	N/A
Aircraft Make	Aircraft Model	A/C Serial Number	A/C Registration	Aircraft - TT
Air Tractor	AT-402B	402B-1248	N647RA	1.1 Hours

This engine installed ground run, leak checked and found to operate satisfactory. The aircraft was test flown in accordance with Air Tractor, Inc. Production Flight Test Procedures and Flight Test Form 1005, Revision Orig., dated 11/1/11. This engine complies with all applicable Airworthiness Directives through Biweekly AD 2012-03, published February 14, 2012. The engine was found to operate satisfactory and is in condition for safe operation.

*Terry Wooldridge*  
Terry Wooldridge - Air Tractor, Inc.

DATE: 2/16/13 HOBBS: 428 PREFORMED 100HR INSP. AS PER PRATT MANUAL.  
CLEANED AND INSPECTED THE FOLLOWING CHIP DETECTOR, STARTER/GEN, T5, OIL SCREEN, P3 FILTER, BETA BLOCK, TORQUE SYSTEM, AND COMPRESSOR FOR F.O.D.  
REPLACED FCU FILTER. ALL APPLICABLE AD'S COMPLIED WITH TO DATE (SEE AD LIST). RUN UP AND LEAK CHECK PREFORMED. I CERTIFY THIS ENGINE HAS BEEN INSP IAW A 100HR INSP AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

*Clifford Lakey*  
CLIFFORD LAKEY A&P: 3059867

DATE: 7/9/12 TT:178.9 PREFORMED 100 INSP. AS PER P&W MANUAL. CLEANED AND INSPECTED FIREWALL FILTER, CHIP DETECTOR, STARTER/GEN, IGNITERS, AIR FILTERS, T5 SYSTEM, OIL SCREEN, AND P3 FILTER. CHANGED FCU FILTER. RUN UP AND LEAK CHECK PREFORMED. I CERTIFY THIS ENGINE HAS BEEN INSP. IAW. A 100HR INSP.

*Clifford Lakey*  
CLIFFORD LAKEY A&P: 3059867

DATE: 5/1/14 HOBBS: 428.5 PREFORMED 100HR INSP. AS PER PRATT MANUAL.  
CLEANED AND INSPECTED THE FOLLOWING CHIP DETECTOR, STARTER/GEN, T5, OIL SCREEN, P3 FILTER, BETA BLOCK, TORQUE SYSTEM, AND COMPRESSOR FOR F.O.D.  
CHANGED OIL WITH 8QT BP2380. ALL APPLICABLE AD'S COMPLIED WITH TO DATE (SEE AD LIST). RUN UP AND LEAK CHECK PREFORMED. I CERTIFY THIS ENGINE HAS BEEN INSP IAW A 100HR INSP AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

*Clifford Lakey*  
CLIFFORD LAKEY A&P: 3059867

8-1-12 323.3 PREFORMED 100HR. INSP AS PER PRATT MANUAL. CLEANED & INSPECTED CHIP DETECTOR, STARTER/GEN, T5, P3, OIL SCREEN, BETA BLOCK, TORQUE SYSTEM, & F.O.D. REPLACED FCU FILTER. CLEANED AND FLOWED PRIMARY & SECONDARY NOZ. AS PER MANUAL. REINSTALLED WITH NEW GASKET KIT. RUN UP & LEAK CHECK PREFORMED. I CERTIFY THIS ENGINE HAS BEEN INSP. IAW A 100HR INSP AND IS IN AIRWORTHY CONDITION.

*Clifford Lakey*  
A&P: 3059867

DATE: 4/1/15 HOBBS: 429 PREFORMED 100HR INSP. AS PER PRATT MANUAL.  
CLEANED AND INSPECTED THE FOLLOWING CHIP DETECTOR, STARTER/GEN, T5, OIL SCREEN, P3 FILTER, BETA BLOCK, TORQUE SYSTEM, AND COMPRESSOR FOR F.O.D.  
CHANGED OIL WITH 8QT BP2380. R&R NOZZLES AS PER MANUAL (CLEANED AND FLOWED BY NORTH STAR AVIATION). INSTALLED WITH NEW GASKET KIT. ALL APPLICABLE AD'S COMPLIED WITH TO DATE (SEE AD LIST). RUN UP AND LEAK CHECK PREFORMED. I CERTIFY THIS ENGINE HAS BEEN INSP IAW A 100HR INSP AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

*Clifford Lakey*  
CLIFFORD LAKEY A&P: 3059867

Volume #: 1

Opened on: 13 JAN 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- PH0732