

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N42CV

Engine Manufacturer Pratt & Whitney

Model PT-6A-28

Serial No. PCE-52244

Date installed on aircraft 5/9/1980

Time Between Overhauls (TBO) 3600 Hours

If used on multi-engine aircraft:

☐ Right

☒ Left

☐ Front

☐ Rear



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DATE: 4/10/2018 N42CV MAKE: PIPER MODEL PA-31T S/N: 8020067 ACTT: 5713.6 HOBBS: 5713.6
LEFT ENGINE MAKE: PRATT WHITNEY MODEL: PT6-28 S/N: PCE-52244 TTSN: 5713.6 SMOH: 1566.5

- Accomplished an **Event 1 / 100 hour** inspection on **LEFT ENGINE** in accordance with PN 761-644 Piper Cheyenne Progressive inspection checklist & Piper MM & Pratt Whitney MM.
- Visual inspection of right engine group
- Lubed all controls & rod-ends & linkages.
- Complied with 100 hour PT6-28 100 hour kit removed, cleaned, & inspected screens & reinstalled with new oring & filters. (Fuel, oil, hydraulic & chip detector).
- Drained oil & serviced engine with BP 2380 oil as required.
- Removed ~~LEFT~~ engine inlet duct assy. P/N: 50363-00 & reinstalled P/N: 50363-00 S/N: 9708/8N10-2 repaired by FRIEND AIRCARE 325 AIRPORT ROAD WASHINGTON, PA. 15301-9082 WORK ORDER # 9708/8N10 (SEE 8130-3).
- Wash & ground ran engine operational & leak checks satisfactory.
- AD's research thru 2017-2018.

I certify that this **LEFT ENGINE** has been inspected in accordance with an **Event 1 / 100 hour** inspection following the Piper Cheyenne Progressive 100 hour inspection checklist in accordance with FAR 43, appendix (d), PN761-644 and was found to be in an **AIRWORTHY** condition and approved for returned to service.

Jason Matthews

Piper Cheyenne II N42CV 31T-8020067 Hobbs: 97.7
Date: 9-26-18 Model: PT6A-28 S/N: 52244
TSN: 5784.1 CSN: 5784 TSO: 1659.5 CSO: 1659

Removed fuel nozzles for clean/flow and BOV for test by Prime Turbines. Performed a borescope inspection of the hot section per M/M and found to be in serviceable condition for time in service. Reassembled nozzles and BOV with new gaskets and seals. Serviced engine with BP2380 oil and performed acceptable ground runs. No leaks detected after shutdown.

The engine and/or component above was repaired and inspected in accordance with Federal Air Regulations and was approved for return to service with respect to work performed on this date.

Robert O'Connor
Specialty Turbine Service

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DATE

DATE: 9/28/2018 **N42CV MAKE PIPER MODEL:** PA-31T **S/N:** 8020067 **ACTT:** 5784.1 **HOBBS:** 97.7
LEFT ENGINE MAKE: PRATT WHITNEY **MODEL:** PT6A-28 **S/N:** PCE 52244 **TTSN:** 5784.1 **TSO:** 1659.5 **CSO:** 1659
 ACCOMPLISHED AN **EVENT 2 / 100 HOUR INSPECTION ON LEFT ENGINE** IN ACCORDANCE WITH PN 761-644 PIPER
 CHEYENNE PROGRESSIVE INSPECTION CHECKLIST & PIPER MM & PRATT WHITNEY PT6A-28 MM.
 • VISUAL INSPECTION OF RIGHT ENGINE GROUP.
 • LUBED ALL CONTROLS & PUSHRODS & LINKAGES.
 • COMPLIED WITH 100 HOUR PT6-28 100 HOUR KIT. REMOVED & CLEANED & INSPECTED SCREENS & REINSTALLED
 WITH NEW O-RINGS & FILTERS. (FUEL, OIL, HYDRAULIC & CHIP DETECTOR).
 • SERVICED OIL AS REQUIRED WITH BP2380 OIL.
 • REMOVED & REPLACE ENGINE MOUNT FRONT WITH NEW P/N: LM-423-42.
 • COMPLIED WITH 300 HR INSPECTION ON STARTER GENERATOR BY PRECISION AVIATION GROUP.
 • WASHED & GROUND RAN ENGINE & OPERATIONAL & LEAK CHECKS SATISFACTORY.
 • AD'S RESEARCH THRU 2017-2018.)

I CERTIFY THAT THIS **LEFT ENGINE** HAS BEEN INSPECTED IN ACCORDANCE WITH AN **EVENT 2 / 100 HOUR INSPECTION**
 FOLLOWING THE PIPER CHEYENNE PROGRESSIVE 100 HOUR INSPECTION CHECKLIST IN ACCORDANCE WITH FAR 43, APPENDIX
 (d), PN 761-644 AND WAS FOUND TO BE IN AN **AIRWORTHY** CONDITION AND APPROVED FOR RETURN TO SERVICE.

END

JASON MATTHEWS

Date: 6/1/2019 **N42CV Make:** Piper **Model:** PA-31T **S/N:** 8020067 **ACTT:** 5894.6 **HOBBS:** 208.2
Left Engine Make: Pratt Whitney **Model:** PT6A-28 **S/N:** PCE 52244 **TTSN:** 5894.6 **TSO:** 1770.0 **CSO:** 1769.5

- Accomplished **Event 1 / 100 hour inspection on Left engine** in accordance with PN 761-644 Piper Cheyenne inspection checklist & Piper MM & Pratt Whitney PT6A-28 MM.
- Visual inspection of right engine group.
- Lubed all control & pushrods & linkages.
- Complied with 100 hour PT6A-28 100 hour kit. Removed & cleaned & inspected screens & reinstalled with new o-rings & filters. (Fuel, oil, chip detector).
- Serviced left engine as required with BP2380 oil.
- Washed & ground ran & operation leak check satisfactory.

I certify that this **Left Engine** has been inspected in accordance with an **Event 1 / 100 hour inspection** following the Piper Cheyenne 100 hour inspection checklist in accordance FAR 43, Appendix (d), PN 761-644 and was found to be in an **airworthy** condition and approved for return to service.

END

Jason Matthews

LEFT ENGINE LOG

Date: 10/16/2019 **N42CV Make:** Piper **Model:** PA-31T **S/N:** 8020067 **ACCT:** 5954.6 **Hobbs:** 268.0
Left Engine Make: Pratt Whitney **Model:** PT6A-28 **S/N:** PCE- 52244 **TTSN:** 5954.6 **TSO:** 1830.0 **CSO:** 1829.5
 Accomplished **Event 2/100 hour & Annual inspection on Left Engine** in accordance with PN 761-644 Piper Cheyenne inspection checklist & Piper MM & Pratt Whitney PT6A-28 MM. Visual inspection of right engine group. Lubed all control & pushrods & linkages. Complied with 100 hour PT6A-28-100 hour kit. Removed & cleaned & inspected screens & reinstalled with new orings & filters. (Fuel, oil, chip detector). Serviced left engine as required with BP2380 oil. Washed & ground ran & operational leak check satisfactory. Complied with AD's 2017-2019.

I certify that this **Left Engine** has been inspected in accordance with an **Event 2/100 hour & Annual inspection** following the Piper Cheyenne 100 hour inspection checklist in accordance with FAR 43, Appendix (d), PN 761-644 and was found to be in an **airworthy** condition and approved for return to service.

END

Jason Matthews

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ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N42CV

Engine Manufacturer Pratt & Whitney

Model PT-6A-28

Serial No. PCE-52249

Date installed on aircraft 5/9/1980

Time Between Overhauls (TBO) 3600 Hours

If used on multi-engine aircraft:

☒ Right

☐ Left

☐ Front

☐ Rear



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DATE: 4/10/2018 N42CV MAKE: PIPER MODEL PA-31T S/N: 8020067 ACTT: 5713.6 HOBBS: 5713.6

DATE RIGHT ENGINE MAKE: PRATT WHITNEY MODEL: PT6-28 S/N: PCE-52249 TTSN: 5713.6 SMOH: 1566.5

- Accomplished an **Event 1 / 100 hour** inspection on **RIGHT ENGINE** in accordance with PN 761-644 Piper Cheyenne Progressive inspection checklist & Piper MM & Pratt Whitney MM.
- Visual inspection of right engine group
- Lubed all controls & rod-ends & linkages.
- Complied with 100 hour PT6-28 100 hour kit removed, cleaned, & inspected screens & reinstalled with new oring & filters. (Fuel, oil, hydraulic & chip detector).
- Drained oil & serviced engine with BP 2380 oil as required.
- Removed Right engine inlet duct assy. P/N: 50363-00 & P/N: 50363-00 S/N: 9708/8N10-1 repaired by FRIEND AIRCARE 325 AIRPORT ROAD WASHINGTON, PA. 15301-9082 WORK ORDER # 9708/8N10 (SEE 8130-3).
- Removed hydraulic pump P/N: 26802-8 model: 1213HBG-310A S/N: 0L9-0864 & reinstalled with new P/N: 1213HBG-310ACJ S/N: 1715 by (C J AVIATION, 12215 S. W. 131 AVE. MIAMI, FL.33186 WORK ORDER # 300724.(SEE 8130-3)
- Wash & ground ran engine operational & leak checks satisfactory.
- AD's research thru 2017-2018.

I certify that this **RIGHT ENGINE** has been inspected in accordance with an **Event 1 / 100 hour** inspection following the Piper Cheyenne Progressive 100 hour inspection checklist in accordance with FAR 43, appendix (d), PN761-644 and was found to be in an **AIRWORTHY** condition and approved for returned to service.

Jason Matthews

Piper Cheyenne II N42CV 31T-8020067 Hobbs: 97.7

Date: 9-26-18 Model: PT6A-28 S/N: 52249

TSN: 5784.1 CSN: 5784 TSO: 1659.5 CSO: 1659

Performed a hot section inspection in accordance with the Mfr. M/M. Shipped hot section parts to Prime Turbines for repairs and LED/CC Liner to Unified Turbines for repair. Shipped FCU for inspection and repairs due to slow acceleration. Installed four overhauled T5 probes and reassembled hot section parts after repairs. Calibrated gages and rigged engine. Serviced engine with BP2380 oil and performed acceptable ground runs. No leaks detected after shutdown. See attached 8130 paperwork for details of repairs.

The engine and/or component above was repaired and inspected in accordance with Federal Air Regulations and was approved for return to service with respect to the work performed on this date.

Robert O Connor
Specialty Turbine Service

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DATE: 9/28/2018 N42CV MAKE PIPER MODEL: PA-31T S/N: 8020067 ACTT: 5784.1 HOBBS: 97.7
RIGHT ENGINE MAKE: PRATT WHITNEY MODEL: PT6A-28 S/N: PCE 52249 TTSN: 5784.1 TSO: 1659.5 CSO: 1659

- ACCOMPLISHED AN EVENT 2 / 100 HOUR INSPECTION ON RIGHT ENGINE IN ACCORDANCE WITH PN 761-644 PIPER CHEYENNE PROGRESSIVE INSPECTION CHECKLIST & PIPER MM & PRATT WHITNEY PT6A-28 MM.
- VISUAL INSPECTION OF RIGHT ENGINE GROUP.
- LUBED ALL CONTROLS & PUSHRODS & LINKAGES.
- COMPLIED WITH 100 HOUR PT6-28 100 HOUR KIT. REMOVED & CLEANED & INSPECTED SCREENS & REINSTALLED WITH NEW O-RINGS & FILTERS. (FUEL, OIL, HYDRAULIC & CHIP DETECTOR).
- SERVICED OIL AS REQUIRED WITH BP2380 OIL.
- REMOVED & REPLACED RIGHT ENGINE AC SHAFT ASSY COMPRESSOR DRIVE QUILL WITH NEW P/N: 486-647 & NEW PULLEY P/N: 49201-002 & GASKET P/N: 50068-00 & WOODRUFF KEY P/N: 424-910.
- COMPLIED WITH 300 HR INSPECTION ON STARTER GENERATOR BY PRECISION AVIATION GROUP.
- WASHED & GROUND RAN ENGINE & OPERATIONAL & LEAK CHECKS SATISFACTORY.
- AD'S RESEARCH THRU 2017-2018.

I CERTIFY THAT THIS RIGHT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN EVENT 2/ 100 HOUR INSPECTION FOLLOWING THE PIPER CHEYENNE PROGRESSIVE 100 HOUR INSPECTION CHECKLIST IN ACCORDANCE WITH FAR 43, APPENDIX (d), PN 761-644 AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE.

END

JASON MATTHEWS

Piper Cheyenne II N42CV 31T-8020067 Hobbs: 153.0
Date: 2-5-19 Model: PT6A-28 S/N: 52249
TSN: 5839.4 CSN: 5839 TSO: 1714.8 CSO: 1714

Removed PT Stator for classing due to Ng performance limitations and shipped to P&WC Component Repairs. PT Stator was checked and adjusted to proper specifications. Reinstalled PT Stator and reassembled power section with new seals per Mfr. Maintenance manual. Serviced engine with BP2380 oil and performed acceptable ground runs. No leaks detected after shutdown. See 8130 form for PT Stator repair details.

The engine and/or component above was repaired and inspected in accordance with Federal Air Regulations and was approved for return to service with respect to the work performed on this date.

Robert O'Connor
Specialty Turbine Service

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Date: 6/1/2019 N42CV Make: Piper Model: PA-31T S/N: 8020067 ACTT: 5894.6 HOBBS: 208.2
 Right Engine Make: Pratt Whitney Model: PT6A-28 S/N: PCE 52249 TTSN: 5894.6 TSO: 1770.0 CSO: 1769.5

DATE

- Accomplished **Event 1 / 100 hour inspection** on **Right engine** in accordance with PN 761-644 Piper Cheyenne inspection checklist & Piper MM & Pratt Whitney PT6A-28 MM.
- Visual inspection of right engine group.
- Lubed all control & pushrods & linkages.
- Complied with 100 hour PT6A-28 100 hour kit. Removed & cleaned & inspected screens & reinstalled with new o-rings & filters. (Fuel, oil, chip detector).
- Serviced left engine as required with BP2380 oil.
- Washed & ground ran & operation leak check satisfactory.

I certify that this **Right Engine** has been inspected in accordance with an **Event 1 / 100 hour inspection** following the Piper Cheyenne 100 hour inspection checklist in accordance FAR 43, Appendix (d), PN 761-644 and was found to be in an airworthy condition and approved for return to service.

END

Jason Matthews

RIGHT ENGINE LOG

Date: 10/16/2019 N42CV Make: Piper Model: PA-31T S/N: 8020067 ACCT: 5954.6 Hobbs: 268.0
 Right Engine Make: Pratt Whitney Model: PT6A-28 S/N: PCE- 52249 TTSN: 5954.6 TSO: 1830.0 CSO: 1829.5

Accomplished **Event 2/100 hour & Annual inspection** on **Right Engine** in accordance with PN 761-644 Piper Cheyenne inspection checklist & Piper MM & Pratt Whitney PT6A-28 MM. Visual inspection of right engine group. Lubed all control & pushrods & linkages. Complied with 100 hour PT6A-28-100 hour kit. Removed & cleaned & inspected screens & reinstalled with new orings & filters. (Fuel, oil, chip detector). Serviced left engine as required with BP2380 oil. Washed & ground ran & operational leak check satisfactory. Complied with AD's 2017-2019.

I certify that this **Right Engine** has been inspected in accordance with an **Event 2/100 hour & Annual inspection** following the Piper Cheyenne 100 hour inspection checklist in accordance with FAR 43, Appendix (d), PN 761-644 and was found to be in an airworthy condition and approved for return to service.

END

Jason Matthews

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