

ENGINE TECHNICAL LOG

PCE-PZ1158



WWW.PWC.CA



Volume #: / Opened on: / APR 2011

ENGINE DETAILS

- 1. Manufacturer _____ Pratt & Whitney Canada Corp.
- 3. Serial Number PCE- PZ //58

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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| 0 9 APR 2011 | 00 | 00 | 0 | New engine final acceptance test an inhibiting run completed satisfactor and is in condition for safe operation |
| 5-21-11 | Ø | Ø | 0 | This engine has been installed on aircraft so number LJ-2021 RH and has been fully character with Turbo Oil 2380. Dale W. Dodd Dale W. Dodd |
| | | | | Dale W. Dodd For Hawker Beechcraft Corporation PC#8 |
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| Make: PT6A | | Reg. No.: N85FD | |
| Model: 135A | BANYAN | Date: 11/18/2011 | |
| Serial No.: PCE-PZ1158 | The first water and depute you have not been deputed as the first and a supply the standing course and some disc | W/O No.: 29958 | |
| TSN: 113.2 CSN: 65 Eng | gine #2 MAINTENANCE ENTRY | Page: 1 of 1 Hobbs: 1 | 13.2 |
| Desc | cription of Work Accomplished. | | |
| Complied with Initial 100 hour inspection requirem 00 Table 601. | nents referencing Pratt & Whitney Canada | maintenance manual chapter 72 | 2-00- |
| Ар | pproval for Return to Service | | |
| The article(s) identified above was repaired and inspected in a details of the repair are on file at this agency under this work of | accordance with current FAA regulations and is | approved for return to service. Perti | nent |
| Authorized Signature: | | Lou Homsher, Chief Inspector | |
| Hawker Beechcraft Factory Authorized Service Cer | nter FAA Certificated | Repair Station WD4R618M | |
| 5360 NW 20th Terrace Fort Lauderdale, Florida 3330 | 09 Phone 954 491 | 3170 Fax 954 491 1612 | |
| Corvallis Aero Service 5695 SW | Airport Place | Corvallis, OR. 97333 | |
| | Aliepart Place | Corvettis, (12, 9733) | _ |
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| | *Complied with *Complied with | AMP 057010 200 hr Oil l | 0. Filter inspec | ction. CAMP | 790060 | and follows reliable | *Complied with Stage Sun Gea | AD2012-09-10 ar and Planet G | Power Section ear. Not applicat | Maintenance involving Firstle by no Power section c. 22, 2008. Terminating |
| | CAMP 741025 *Complied with | ,741035 | | | · | | action. | | | 0. 22, 2000. Formilating |
| | Compiled with | 200 Hr CH | p Detector i | rispection. C | | | turn to Service | thru Biweekly | 2012-13 | |
| | The article ider return to service | ntified above e. Pertinent | was repain t details of t | ed and inspe he work perf | cted in accord | dance with o | | lations and was | s found to be airv | vorthy and is approved for |
| 1 | Autho | rized Signa | ture: | | Rec | A | she | 1 | Lewis Homsher | , Chief Inspector |
| | | | | | Service Cente | er | F | | Repair Station | |
| | 5360 | NW 20 ^m Ter | rrace Fort L | .auderdale, F | Florida 33309 | | | Phone 954 49 | 1 3170 Fax 954 | 491 1612 |
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AME Signature ACA/AMO SCA/AMO Elliott Aviation of Minneapolis, Inc. Date: 6/16/2014 WO# 460113 Eng. SN: PCE-PZ1158 Flying Cloud Airport Reg# N85FD 13801 Pioneer Trail Hobbs: 452.9 Eden Prairie, MN 55347-2617 ETT: 452.9 ETC: 388 **Right Engine Log Entry** Inspection Completed a Phase 1 and 2 Inspection using the Hawker Beechcraft Corp. King Air 90 Series Phase 1 and 2 Checklist for LJ-1063 and After. Complied with Fuel nozzle Functional/Pattern Check. Performed Borescope Inspection of Hot Section Components. No defects noted. Complied with Compressor Wash and Compressor Turbine Rinse. I certify this Engine has been inspected in accordance with a Phase 1&2 inspection per 14 CFR 91.409 (e)(f)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the for Elliott Aviation of Minneapolis, Inc. KX5R005N Chad Velta WO# 460363 Date: 12/26/2014 Elliott Aviation of Minneapolis, Inc. Reg# N85FD Eng. SN: PCE-PZ1158 Flying Cloud Airport Hobbs: 558.6 13801 Pioneer Trail Eden Prairie, MN 55347-2617 Right Engine Log Entry **Maintenance Action** Swapped left engine and right engine flow dividers for troubleshooting referencing PT6A-135A MM 73-10-04. Leak check and operation normal. I certify this Engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's on file at this agency under WO# 460363. for Elliott Aviation of Minneapolis, Inc. KX5R005N Elliott Aviation of Minneapolis, Inc. WO# 460488 Date: 5/7/2015 Reg# N85FD Eng. SN: PCE-PZ1158 Flying Cloud Airport Hobbs: 604.9 13801 Pioneer Trail ETT: 604.9 ETC: 516 Eden Prairie, MN 55347-2617 Right Engine Log Entry Inspection * Completed Phase 3 and 4 Inspections using the Beechcraft Corp. King Air 90 Series Maintenance Manual Phase 3 and 4 Checklists for LJ-1063 and **Airworthiness Directive** AD 2014-11-05, Effective Date 08/05/14 - PT6 Turboprop Engines PT Blade Failure. Found to be N/A by S/N of Engines currently installed, in reference to Paragraph (c) applicability of this AD. I certify this Engine has been inspected in accordance with Phase 3 and 4 inspections per 14 CFR 91.409 (e)(f)(3) and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order. Signed for Elliott Aviation of Minneapolis, Inc. KX5R005N Tom Kortisses

| // | new | Time since overhaul | Total cycles | Details of task |
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| Reg# N85FD E Hobbs: 725.8 | Date: 5/11/2016 Eng. SN: PCE-PZ1158 ETC: 547 | | IOTT' ATION 'ine Log Entry | Elliott Aviation of Minneapolis, Inc Flying Cloud Airport 13801 Pioneer Trail Eden Prairie, MN 55347-2617 |
| fter. Complied with 400 hour flo Maintenance Action | | d borescope of hot sect | | nual Phase 1 and 2 Checklist for LJ-1063 and four delivery tubes with New p/n 3011155. |
| | | the applicable manufaction for Elliott | | 09 (e)(f)(3) and is determined to be in airworthy ls. Pertinent details are on file under the nc. Page 1 of 1 |
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| eg# N85FD | te: 5/19/2017 g. SN: PCE-PZ1158 TC: 891 | ELLIO AVIATI Right Engine L | | Elliott Aviation of Minneapolis, Inc. Flying Cloud Airport 13801 Pioneer Trail Eden Prairie, MN 55347-2617 |
| spection empleted a Phase 3 and 4 I | nspection using the Beechcr | | | use 3 and 4 Checklist LJ 1063 and after. |
| ertify this Engine has been ndition. All maintenance was ferenced work order. | inspected in accordance with as performed referencing the Bob Kortum | applicable manufacturer | 's maintenance manuals. Per tion of Minneapolis, Inc. | 3) and is determined to be in airworthy tinent details are on file under the Page 1 of 1 |
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Signature

AME ACA/AMO SCA/AMO

WO# 462636

Date: 6/18/2018

Reg# N85FD

Eng. SN: PCE-PZ1158

Hobbs: 987.4

ETT: 987.4

ETC: 999



Elliott Aviation of Minneapolis, Inc. Flying Cloud Airport 13801 Pioneer Trail Eden Prairie, MN 55347-2617

Right Engine Log Entry

Inspection

- Performed Phase 1, and 2 inspections using the Beechcraft Corporation King Air 90 Series Maintenance Manual Scheduled Inspection Program 05-25-01, and 05-25-02, and performed engine Minor Inspection items using the Pratt & Whitney Canada PT6A-135 Maintenance Manual 72-00-00 Table 601, Periodic Inspection.
- Complied with 1000 hour scavenge oil screen inspection.
- Performed compressor wash and ct rinse.
- Complied with fuel nozzle functional check and borescope inspection of hot section components in reference to Pratt and Whitney PT6A-135A maintenance manual 72-00-00, 73-10-05.

Special Inspection

Complied with 1000 hour oil filter replacement with new p/n 7579522AM.

Overhaul/Replacement

- Installed Overhauled Governor p/n 8210-025-01, s/n 2491786. See 8130-3 dated 5-24-2018 from Kansas Aviation WO. 168225. Installed Overhauled Overspeed Governor p/n 210941REVB, s/n 12173144 on right engine. See 8130-3 dated 3-13-2018 from International Governor Services, WO. 1928282.
- Complied with 1000 hour P3 filter replacement p/n 3023073.

| I certify this Engine This aircraft has been inspected in accordance with a Phase 1 and Phase 2 inspection per 14 CFR 91.409 (f)(3) and is determined to |
|--|
| be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file |
| under the referenced work order. |
| |

Signed / Kind / Kind

David Nelson

for Elliott Aviation of Minneapolis, Inc.

CRS# KX5R005N

Page 1 of 1

WO# 463063

Reg# N85FD

Date: 11/27/2018

Hobbs: 1030.6

Eng. SN: PCE-PZ1158



Elliott Aviation of Minneapolis, Inc. Flying Cloud Airport 13801 Pioneer Trail Eden Prairie, MN 55347-2617

Right Engine Log Entry

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Replaced one bent fuel nozzle transfer tube with new p/n B011155.

I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 463063

Signed

for Elliott Aviation of Minneapolis, Inc.

CRS# KX5R005N

Page 1 of 1

| Date/ | Time since new | Time si overh | | Total c | ycles | | Details of ta |
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| | | M | IAINTEN | IANCE RI | ECORD | | |
| Date: May | 21, 2019 | Page 1 | | Pages | | Reg. No | o: N85FD |
| Aircraft: Beech | C90GTi | Serial #: | LJ-202 | | Total 7 | Time / HM / Ldgs: | 1,097.2 / 1,097.2 / 1 |
| #2 Eng: P&W | C PT6A-135A | Serial #: | PCE-I | PZ1158 | | Time / Cycles: | 1,097.2 / 1076 |
| Work Order 04190 [500] This eng recomme [500] Phase In King Air [500] Minor an Table 60 [500] Fuel Pum [500] Fuel Pum [500] Ignition: [500] Chip Det i/a/w the [458] Complied [459] Performa [460] Oil sample | ine has been inspected and inspection programmed inspection programmed and 4 were and Routine Periodic Information In It. In properties Maintenant of Routine Periodic Information Inform | d in accordant gram per 14 Core accomplishance Manual, aspections accorded and inspection Complied with a new Maintenance Main | ce with the FR, Part 9 shed in acceptable of the ight annual. | he inspecti 91.409 (f) cordance v 90012-130 ed i/a/w the N6235-3A. mition exciur continui | ons and p (3). with chap C4, Revis e PT6A-1 | procedures for the a ters 5-25-03 and 5- ted May 1, 2017. 35A Maintenance I | rectly by AD notes and SB nircraft manufacturer's 25-04 of the Beechcraft Manual, chapter 72-00-0 rs. |
| [102] Installed a [103] Installed a | new igniters, p/n CH3 new right engine breat a new right beta block gine has been inspecte . | ther hose, p/n, p/n A3026. | 4 4 5 | | ctions 3 a | and 4 and was deter | mined to be in an |
| [102] Installed a [103] Installed a I certify that this engairworthy condition Signed Central Flying Servi | new right engine breat a new right beta block gine has been inspecte | ther hose, p/n, p/n A3026. | ce with Plant of the Plant of t | Mase Inspe | | | CRS No. HBKR587 FAX (501) 374-215 |
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| [102] Installed a [103] Instal | new right engine breat a new right beta block gine has been inspected. Ice, Inc. ittle Rock, AR 72202 | Page 1 of Serial #: | THOMAS 01) 375-32 AINTENA of 1 Pa LJ-2021 PCE-PZ | PAPKA 245, (800) ANCE REC | 888-538° CORD Total Tin | Reg. No: ne / HM / Ldgs: ne / Cycles: | CRS No. HBKR587 FAX (501) 374-215 N85FD 1,214.7 / 1,214.7 / 1,17 1,214.7 / 1,173 |
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| Date: | May 25, 2021 | Page 1 | of 1 Pages | D. V | |
|-----------|----------------|-----------|-------------|-------------------------------------|-----------------|
| Aircraft: | Beech C90GTi | Serial #: | | Reg. No: Total Time / HM / Ldgs: | N85FD |
| #2 Eng: | P&WC PT6A-135A | Serial #: | PCE-PZ1158 | Total Time / Cycles: | 7 |
| | | | TOD I DIIJO | Total Time / Cycles: | 1 280 4 / 1 222 |

The below listed items were accomplished in accordance with the Textron Aviation King Air® 90 Series Maintenance Manual and other approved or acceptable data as applicable. Work order discrepancy numbers are shown in brackets [], followed, in bold, directly by AD notes

Work Order 042111461

- This engine has been inspected in accordance with the inspections and procedures for the aircraft manufacturer's [500] recommended inspection program per 14 CFR, Part 91.409 (f) (3).
- Phase Inspections 3 and 4 were accomplished in accordance with chapters 5-25-03 and 5-25-04 of the Textron [500] Aviation King Air® 90 Series Maintenance Manual, P/N 90-590012-13D, Revised 1 December 2019.
- Minor and Routine Periodic Inspections accomplished i/a/w the PT6A-135A Maintenance Manual, chapter 72-00-00, [500] Table 601.
- [500] P3 Filter: Complied with 200 hour inspection and cleaning.
- Chip Detector: Complied with 600 hour/12 month contact bridge test i/a/w the P&WC PT6A-135A Maintenance [500]
- [458] Performance recovery wash complied with.
- [459] Oil sample was sent to Aviation Laboratories for analysis.

I certify that this engine has been inspected in accordance with Phase Inspections 3 and 4 and was determined to be in an airworthy condition.

Signed

Central Flying Service, Inc.

THOMAS PAPKA

CRS No. HBKR587E FAX (501) 374-2150

Phone: (501) 375-3245, (800) 888-5387 1501 Bond Street, Little Rock, AR 72202

MAINTENANCE RECORD

| Date: | May 18, 2022 | Page 1 c | of 1 Pages | Reg. No: | N85FD |
|-----------|----------------|-----------|------------|-------------------------|---------------------------|
| Aircraft: | Beech C90GTi | Serial #: | LJ-2021 | Total Time / HM / Ldgs: | 1,389.4 / 1,389.4 / 1,292 |
| #2 Eng: | P&WC PT6A-135A | Serial #: | PCE-PZ1158 | Total Time / Cycles: | 1,389.4 / 1,285 |

The below listed items were accomplished in accordance with current FAA regulations, manufacturer's technical data, and other approved or acceptable data as applicable. Work order discrepancy numbers are shown in brackets [], followed, in bold, directly by AD notes and SB's.

Work Order 042212082

- This engine has been inspected in accordance with the inspections and procedures for the aircraft manufacturer's [500] recommended inspection program per 14 CFR, Part 91.409 (f) (3).
- Phase Inspections 1 and 2 were accomplished in accordance with chapters 5-25-01 and 5-25-02 of the Textron [500] Aviation King Air® 90 Series Maintenance Manual, P/N 90-590012-13D, Revised 1 December 2019.
- Minor and Routine Periodic Inspections accomplished i/a/w the PT6A-135A Maintenance Manual, chapter 72-00-00, [500] Table 601.
- Chip Detector: Complied with 600 hour/12 month contact bridge test i/a/w the P&WC PT6A-135A Maintenance [500] Manual.
- Oil sample was sent to Aviation Laboratories for analysis. [500]
- Hot Section: Complied with 400 hour borescope inspection. [461]
- Fuel Manifold Adapter and Nozzle Assemblies: Complied with 400 hour leak and function tests. [463]

I certify that this engine has been inspected in accordance with Phase Inspections 1 and 2 and was determined to be in an airworthy condition.

Signed

Central Flying Service, Inc.

THOMAS PAPKA

CRS No. HBKR587E

FAX (501) 374-2150

1501 Bond Street, Little Rock, AR 72202

Phone: (501) 375-3245, (800) 888-5387

BKR587E 374-2150

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| Date / / | Time since new | Vi | ANICAL SERVICES, Inc. rport Drive, Hangar 19 isalia, CA 93277 ight Engine | Details of |
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| DATE: 06/14/23 | MODEL: PT6A | | TSN: 147 | 5.8 TSO: N/A |
| REG: N85FD | S/N: PCE-PZ11 | 158 | CSN: 130 | CSO: N/A |
| | | | TSHSI: N/ | |
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| 8 SERVICE ENG | NGINE MINOR INSPI | ECTIONS | | Alle Ister |
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