

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.
2. Type/Model/Series E.T.C. E- 6 PT6A- 34 B/S: 1218
3. Serial Number PCE- RB1291

Date --/--/--	Time since new	Time overhaul	Notes
23 MAR 2022	0.0	N/A	0

New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.

Installed this Pratt & Whitney Engine Model No.: PT6A-34 S/N: PCE-RB1291 on Kodiak Model No.100 Aircraft S/N: 100-0313 I.A.W. Kodiak Aircraft Drawing #100-171-0000 and serviced with Eastman Turbo Oil 2380. All ground runs and leak checks were good. Aircraft T.T.: Ø Engine T.T.: Ø
 Quality Control: h.s.c. Date: 6-29-22 Kodiak Aircraft Company, Inc.



Make/Model:	Kodiak 100	ACTT:	145.9
Aircraft S/N:	100-0313	Hobbs:	145.9
Aircraft Reg:	N321KD	Eng TTSN:	145.9
Eng S/N:	PCE-RB1291	Eng TSO:	N/A
Work Order:	RS1474	Eng Cycles:	83

AD COMPLIANCE

- **FAA Biweekly** AD research completed through FAA Biweekly 2023-12. See separate compliance record for details.

SCHEDULED

- Performed PWC PT6A-34 MINOR/ROUTINE periodic inspection items IAW PWC MM 72-00-00 Table 601.
- Performed inspection and cleaning of oil filter element and secondary screen IAW PWC MM 79-20-02. No defects noted.
- Performed P3 filter cleaning and P3 filter housing assembly cleaning IAW PWC MM 73-10-07.
- Performed 600 hour fuel pump outlet filter replacement with new P/N AN6235-3A IAW PWC MM 73-10-02.
- Performed inspection and operational check of RGB and AGB chip detectors IAW PWC MM 79-20-02. No defects noted.
- Performed inspection of engine control linkages. No defects noted.
- Performed inspection of spark igniters for cleanliness and erosion IAW PWC MM 74-20-00. Functional check satisfactory.
- Performed inspection of ignition exciter/current regulator box for installation and condition IAW PWC MM 74-10-00. No defects noted.
- Performed inspection of ignition cables for chafing, wear and installation IAW PWC MM 74-20-00. No defects noted.
- Performed compressor performance recovery compressor wash IAW AMM 7230.5.2.
- Performed deceleration check IAW PWC MM 71-00-00 (11)(F). No defects noted.
- Performed engine run-up checks IAW AMM Section 5-7.

UNSCHEDULED

- Engine hot start exceedance recorded on 05/15/23 in Area B of Figure 502. Performed hot section borescope inspection IAW PWC MM 72-00-00. No defects noted. Removed and reinstalled RH igniter IAW PWC MM 74-20-00. Removed and reinstalled #5 fuel nozzle to facilitate inspection IAW PWC MM 73-10-05. Leak check satisfactory.
- Adjusted air plenum shroud latches IAW standard practices.
- Adjusted low idle Ng IAW AMM 7100.5.6.
- Adjusted reverse Ng speed pickup IAW AMM 7600.5.3.

RETURN TO SERVICE

Unless otherwise noted, all work was performed in accordance with Kodiak 100 Maintenance Manual AM902.0 Rev31, dated 03/22/21 and PWC Maintenance Manual 3021242 Rev67.0, dated 07/11/22.

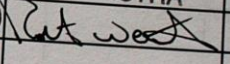

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.

The aircraft and/or component identified above was inspected and/or repaired in accordance with current Federal Aviation Regulations and is approved for return to service for the work performed. Pertinent details are on file at this agency under the work order listed above.

Signature [Signature]
 Kodiak Aircraft Company, Inc. QX0R525C



Date 06/15/23

	Signature	AME ACA/AMO SCA/AMO
TRIM SPEED Ng <u>N/A</u> , % Ng MAX: _____		
	R. WEISTRA 	 T.C. 4-58 NO. 123

Engine Airworthiness Directives

2371 (2017-06)



GO BEYOND

Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Quebec
Canada J4G 1A1

Engine S/N	PCE-RB1291
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Reference	A.D.'s	Sign	Lic. # or Stamp	Date
FAA A.D. 75-06-01	To ensure the early detection of reduction gearbox deterioration and for improved blade containment S.B. 1138, 1216, & 1220 or their later revision or superseding S.B. incorporated at manufacture	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 75-11-04	For engines incorporating an unmodified power turbine shaft housing assembly part number 3010548. Not applicable due to part number. Modification incorporated at manufacture.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
CF-78-03	Engine incorporates the improved power turbine containment modification S.B. 1217 & 1220 or their later revision or superseding S.B. Incorporated at manufacture.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 80-08-12	To preclude wear of the fuel pump drive coupling splines.S.B. 1316, 3139 or 12025 or their later revision or superseding S.B. incorporated at manufacture. Inspection requirements of this A.D.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 90-12-05	Not Applicable. The engine serial number is not listed in the Applicability section of the A.D.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 92-15-11	To prevent excessive engine acceleration time that could result in an aircraft's inability to safely perform the balked landing maneuver, modification incorporated at manufacture.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 97-04-12	To preclude malfunction of the compressor bleed off valve SB 1538R2, 3344, 4204, 12134, 13287 & 14251 or their later revision or superseding SB incorporated at manufacture.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
CF-2002-47	Not Applicable. Compliance to this A.D. is only required for engines that have been overhauled or where the turbine exhaust duct has been subjected to a shop visit where it has been modified, altered or repaired.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 2002-23-13	Not Applicable. The manufacturer , part number and serial number of the First Stage Reduction Sun Gear installed during engine manufacture not listed in the Applicability section of the A.D.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 2011-20-51	Not Applicable. The manufacturer , part number and serial number of the First Stage Reduction Sun Gear and associated Planetary Gear Set installed during engine manufacture not listed in the Applicability section of the A.D.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022
FAA A.D. 2011-25-12	Not Applicable. The manufacturer , part number and serial number of the First Stage Reduction Sun Gear and associated Planetary Gear Set installed during engine manufacture not listed in the Applicability section of the A.D.	R. WEISTRA <i>R. Weistra</i>	T.C. 4-58 NO. 123	23 MAR 2022