



ENGINE
TECHNICAL LOG

PCE- RX0963

LH



Pratt & Whitney Canada

A United Technologies Company

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Index of Engine Documentation

Engine Number: PCE- RX0963

| Document Name | Quantity of Documents And when applicable only (Quantity of set) X (Quantity per set) | Export Classification |
|----------------------------------|---|-----------------------|
| Final Acceptance Test Record | 1 | P-ECCN-9E991 |
| Engine Serialized Parts Summary | 1 x 2 | No Technical data |
| Life Limited Mat. History Record | 7 | No Technical data |
| Engine Airworthiness Directives | 1 | No Technical data |
| Engine Build Record Status | 1 | No Technical data |
| Engine Yellow Log book | 2 | * P-ECCN-9E991 |
| Authorized Released Certificate | 1 | No Technical data |

Note: This index reflects the quantity of Shipping Documentation supplied with the engine, and must be included with the release package.

* The subject engine logbook and the included entries comply to P-ECCN-9E991 on the date of issue.

PT6A-52 S/N:PCE-RX0963 FINAL ACCEPTANCE TEST RECORD

2018 SEP 23 TEST CELL : 3202 BUILD SPEC.: 1228
ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH E&TI : 754
FINAL VANE FLOW AREAS FIRST STAGE : 29501 1S3 6.41
SECOND STAGE : 29501 2S6 20.79

PERFORMANCE DATA

PERF. ACCEPTANC

SPEC ACTUAL

PROP SPEED 2000. 2000.
S.L.S. STD.DAY POWER 950. 950.
I.T.T. (T5A TRIMMED) DEG R 1718. 1715.
T5D (DERIVED) DEG R 1800. 1775.
GAS GEN. SPEED RPM 36000 35550.
SFC @ 18400 BTU/LB LB/SHP.HR 0.603 0.594
ENGINE TORQUE PSI 72.54
PRESSURE RATIO @ 35500 RPM 8.70 8.30

FUEL TYPE : CPW 204
TEST LHV : 18552. BTU/LB
S.G. : 0.815 @ 62. DEG F
OIL TYPE : PWA 521 TYPE II
OIL CONSUMPTION : 0.0 LB/HR
T.O. OIL PRESSURE : 117.4 PSI
OIL TEMPERATURE : 150.3 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 57.7 DEG F
I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 32.1 DEG C
I.T.T. TRIM CLASS : 13
TRIM RESISTANCE : 34.7 OHMS
COLD HARNESS RESISTANCE : 1.49 OHMS

HANDLING AND CONTROL SETTINGS

TRIMMED MAX NG : N/A RPM
UNTRIMMED MAX NG : 39000 RPM
DATA PLATE SPEED : 35100. RPM
IDLE SPEED : 23507 RPM
ACCEL. TIME F.I. TO MAX @ T1 : 2.86 SECS @ 52.9 DEGF
ENGINE DRY WEIGHT : 439 LBS.

PRODUCTION SIGNATURE : [Signature] N. VOLLO

INSPECTION SIGNATURE : [Signature] D. NICHOLS

GOVERNMENT INSPECTOR :

THE UNDERSIGNED CERTIFIES THAT THIS RECORD ACCURATELY SETS FORTH THE EVENTS DURING THE TEST MADE ON THE ENGINE THEREIN IDENTIFIED.

DATE 24 SEP 2018 FOREMAN, ASSY. & TEST INSP :

[Signature] B. HORVATH
T.C. 4-58 NO. 022

Liste des composants moteur à numéros de série Engine Serialized Component Summary



Pratt & Whitney Canada

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P&WC JR3-6830-E (2012-10)

| Modèle Model | | N° de série Serial No. | | Caract. de montage Build Spec NO. | | |
|-----------------------------------|--|---|--|--|--|--|
| PT6A-52 | | PCE-RX0963 | | BS1228 | | |
| N° du matériel Material Number | Désignation du matériel Material Name | N° de série Serial No. | Code de trait. thermique Heat Code | N° de série du matériel forgé Forging Serial No. | N° de lot pour trait. thermique Heat Treat Batch No. | N° de matériel du fournisseur Vendor Material No. |
| 3008012 | GEAR-PLANET,SECOND STAGE REDUCTION | PKAAA781923 PKAAA781924 PKAAA781925 PKAAA781926 PKAAA781927 | | | | |
| 3012286 | COUPLING SHAFT FLEX 2ND STAGE RED'N | PKAAA782846 | | | | |
| 3023250 | GEAR-SUN,2STG RDCN,46 TEETH | PKAAA777215 | | | | |
| 3023252 | ADAPTER-SPLINED,FIRST STAGE CARRIER | PKAAA780195 | | | | |
| 3027698 | SHAFT-POWER TURBINE | RWA51F754 | P4APH | | | |
| 3027977 | CARRIER-SECOND STAGE REDUCTION | PKAAA781863 | | | | |
| 3028007 | BEARING-ROLLER FLANGED | BB0290132 | | | | |
| 3028683 | GEAR-RING,SECOND STAGE REDUCTION | PKAAA780423 | | | | |
| 3029312 | DISC-TURBINE, POWER | A004AHNF | LAWLF | 6789 | | |
| 3029313 | DISC-TURBINE, POWER | YUAB001L220 | LATWD | 5863 | | |
| 3034312 | DISC-COMPRESSOR ROTOR | A0049D58 | EPWCH | | 2237N | |
| 3034313 | DISC-COMPRESSOR ROTOR | A0049C0M | EPWCH | | 2237N | |
| 3034853CL04 | VANE RING-TURBINE | HLA753DB114 | | | | |
| 3036640 | FLOW DIVIDER & PURGE VALVE | T2407 | | | | |
| 3036793 | IMPELLER-CENTRIFUGAL | CRAZAFGE043 | ZAFGE | 043 | | |
| 3038252CL06 | VANE RING-TURBINE | HLA152PAA470 | | | | |
| 3040311 | DISC-TURBINE, COMPRESSOR | YUAB001L414 | EPWHT | 96 | | |
| 3040760 | PUMP-FUEL | 016291 | | | | |
| 3041271 | ROTOR COMPRESSOR REAR | EAAE000M173 | KAXTL | 271 | | |
| 3041861CL02 | TURBINE STATOR-COMPRESSOR,ASSY OF | HLA463AB | | | | |
| 3043937-06 | EXCITER-IGNITION | 181764 | | | | |
| 3048695-01 | SHAFT-PROPELLER | EAAE000K959 | P4ATO | | | |
| 3055726-01 | TORQUE-LIMITER | F14580 | | | | |
| 3057249-01 | HEATER-OIL TO FUEL | WA57954 | | | | |
| 3059089-01 | HOUSING-POWER TURB SHAFT,ASYO | LPA000023642 | | | | |
| 3059924-01 | GEAR-PLANET,1ST STAGE REDUCTION | PKAAA779311 PKAAA779314 PKAAA779321 | | | | |
| 3059927-01 | GEAR RING,FIRST STAGE REDUCTION | PKAAA784227 | | | | |
| 3059928-01 | GEAR-SUN,FIRST STAGE RCDN,ASSY OF | PKAAA778446 | | | | |
| 3070217-01 | GEARSHAFT-STARTER GENERATOR DRIVE | PKAAA788957 | | | | |
| 3072721-01 | BEARING-BALL,2.9528X5.1181X.9843 | BB0289031 | | | | |
| 3073442-01 | FUEL CONTROL-TURBOPROP | 21436835 | | | | |
| 3073900-01 | BEARING-RLR,FLG 1.5748X2.6772X.5906 | AEB0292503 | | | | |

Cont'd

Liste des composants moteur à numéros de série Engine Serialized Component Summary



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P&WC JR3-6830-E (2012-10)

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| Modèle Model | | N° de série Serial No. | | Caract. de montage Build Spec NO. | | |
|-----------------------------------|--|---------------------------|--|--|--|--|
| PT6A-52 | | PCE-RX0963 | | BS1228 | | |
| N° du matériel Material Number | Désignation du matériel Material Name | N° de série Serial No. | Code de trait. thermique Heat Code | N° de série du matériel forgé Forging Serial No. | N° de lot pour trait. thermique Heat Treat Batch No. | N° de matériel du fournisseur Vendor Material No. |
| 3074159-01 | GOVERNOR-PROPELLER | AEB0292506 | | | | |
| 3078250-01 | SHAFT ASSY-PROPELLER | 21424231 | | | | |
| 3078313-01 | SHAFT & SLEEVE SET-PROPELLER | EAAE000K959 | P4ATO | | | |
| 3100742-01 | COUPLING-POWER TURBINE SHAFT | EAAE000K959 | P4ATO | | | |
| 3101419-01 | CARRIER-FIRST STAGE REDUCTION | PKAAA781803 | | | | |
| 3102336-01 | SHAFT-STUB,COMPRESSOR,FRONT | PKAAA780813 | | | | |
| 3109239-01 | SHAFT-STUB,COMPRESSOR,FRONT | RWA51F249 | | P4ARE | | |
| 3109240-01 | BUS BAR-NEGATIVE TERMINAL,T5 | NR14814 | | | | |
| 3109240-01 | BUS BAR-POSITIVE TERMINAL,T5 | NR15232 | | | | |
| 3109766-01 | COUPLING-POWER TURBINE | PKAAA789110 | P4AQC | | | |
| 3112117-03 | BEARING BALL | FCN495287 | | | | |
| 3112214-01 | WIRING HARNESS THERMOCOUPLE | NRA103767 | | | | |
| 3112368-01 | BEARING-ROLLER FLANGED,.94X1.65X.47 | FAA1809004 | | | | |
| | | FAA1809008 | | | | |
| | | FAA1809016 | | | | |
| | | FAA1809020 | | | | |
| | | FAA1809024 | | | | |
| | | FAA1809028 | | | | |
| | | FAA1809032 | | | | |
| | | FAA1809036 | | | | |
| | | FAA1809048 | | | | |
| | | FAA1809055 | | | | |
| | | FAA1809077 | | | | |
| | | FAA1809117 | | | | |
| 3112696-03 | BEARING BALL,1.181X2.8345X.743,FLG | FCN494935 | | | | |
| 3112748-01 | LINER-COMBUSTION CHAMBER,INNER,ASYO | RWA53F534 | | | | |
| 3114832-01 | COUPLING-COMPRESSOR,REAR,HUB | PKAAA753625 | | | | |
| 3117032-01 | VALVE ASSY-COMPRESSOR BLEED | AHX2901725 | | | | |
| 3119290-02 | CASE-GAS GENERATOR,ASSY OF | RWA51F695 | | | | |
| 3119975-01 | HOUSING ASSY-PROP,RDCN GRBX,FRONT | RWA50F116 | | | | |
| 3120295-01 | DUCT-ASYO-TURBINE EXHAUST | RWA55F028 | | | | |
| 3121632-01 | HOUSING-POWER,TURBINE STATOR | SGA0045977 | UAHYU | | | |
| 3123553-01 | LINER-COMB CHMBR,OUTER,ASSY OF | FTA553A0301 | | | | |

Approuvé par
Approved By

B. HORVATH



T.G. 489
NO. 022

Date 2018.09.22

