



ENGINE TECHNICAL LOG

PCE- RX0964

RH



Pratt & Whitney Canada

A United Technologies Company

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Index of Engine Documentation

Engine Number: PCE- RX0964

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.

2018 SEP 24 TEST CELL : 3201 BUILD SPEC.: 1228
ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH E&TI : 754
FINAL VANE FLOW AREAS FIRST STAGE : 29501 1S3 6.44
SECOND STAGE : 29501 2S6 20.77

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. 1713.
T5D (DERIVED) DEG R 1800. 1770.
GAS GEN. SPEED RPM 36000 35450.
SFC @ 18400 BTU/LB LB/SHP.HR 0.603 0.590
ENGINE TORQUE PSI 72.82
PRESSURE RATIO @ 35500 RPM 8.70 8.35

FUEL TYPE : CPW 204
TEST LHV : 18552. BTU/LB
S.G. : 0.815 @ 59. DEG F
OIL TYPE : PWA 521 TYPE II
OIL CONSUMPTION : 0.0 LB/HR
T.O. OIL PRESSURE : 115.2 PSI
OIL TEMPERATURE : 150.6 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 48.9 DEG F
I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 27.2 DEG C
I.T.T. TRIM CLASS : 14
TRIM RESISTANCE : 40.6 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 : 35000. RPM
IDLE SPEED : 23299 RPM
ACCEL. TIME F.I. TO MAX @ T1 : 2.77 SECS @ 48.6 DEGF
ENGINE DRY WEIGHT : 438.5 LBS.

PRODUCTION SIGNATURE : T. KLINE *T. Kline* 1AC6
3

INSPECTION SIGNATURE : *Alan Dodson* A. DODSON 2
3
OACD

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 :

B. Horvath  T.O. 4-59 NO. 022
B. HORVATH

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



Pratt & Whitney Canada

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Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Mar...ctorin
Longueuil, Québec, Canada
J4G 1A1
450-677-9411

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

Modèle Model		N° de série Serial No.		Caract. de montage Build Spec NO.		
PT6A-52		PCE-RX0964		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	PKAAA784709 PKAAA784710 PKAAA784711 PKAAA784712 PKAAA784713				
3012286	COUPLING SHAFT FLEX 2ND STAGE RED'N	PKAAA782857				
3023250	GEAR-SUN,2STG RDCN,46 TEETH	PKAAA778509				
3023252	ADAPTER-SPLINED,FIRST STAGE CARRIER	PKAAA782934				
3027698	SHAFT-POWER TURBINE	RWA51F752	P4APH			
3027977	CARRIER-SECOND STAGE REDUCTION	PKAAA787180				
3028007	BEARING-ROLLER FLANGED	BB0293232				
3028683	GEAR-RING,SECOND STAGE REDUCTION	PKAAA786455				
3029312	DISC-TURBINE, POWER	A004AT63	LAWLF	6828		
3029313	DISC-TURBINE, POWER	YUAB001L224	LATWD	5885		
3034312	DISC-COMPRESSOR ROTOR	A00491A3	EPWCH		2237N	
3034313	DISC-COMPRESSOR ROTOR	A004A83K	EPWCH		2240N	
3034853CL04	VANE RING-TURBINE	HLA753DB161				
3036640	FLOW DIVIDER & PURGE VALVE	T2409				
3036793	IMPELLER-CENTRIFUGAL	FRAEPWPD112	EPWPD	112		
3038252CL06	VANE RING-TURBINE	HLA152PAA445				
3040311	DISC-TURBINE, COMPRESSOR	YUAB001L431	EPWME	76		
3040760	PUMP-FUEL	016293				
3041271	ROTOR COMPRESSOR REAR	EAAE000M265	EPWLW	119		
3041861CL02	TURBINE STATOR-COMPRESSOR,ASSY OF	HLA452AB				
3043937-06	EXCITER-IGNITION	181766				
3048695-01	SHAFT-PROPELLER	EAAE000L558	P4AQE			
3055726-01	TORQUE-LIMITER	F14573				
3057249-01	HEATER-OIL TO FUEL	WA58050				
3059089-01	HOUSING-POWER TURB SHAFT,ASYO	LPA000023628				
3059924-01	GEAR-PLANET,1ST STAGE REDUCTION	PKAAA779312 PKAAA779313 PKAAA779327				
3059927-01	GEAR RING,FIRST STAGE REDUCTION	PKAAA784195				
3059928-01	GEAR-SUN,FIRST STAGE RCDN,ASSY OF	PKAAA778448				
3070217-01	GEARSHAFT-STARTER GENERATOR DRIVE	PKAAA788970				
3072721-01	BEARING-BALL,2.9528X5.1181X.9843	BB0293129				
3073442-01	FUEL CONTROL-TURBOPROP	21430446				
3073900-01	BEARING-RLR,FLG 1.5748X2.6772X.5906	AEB0292498				

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3074159-01	GOVERNOR-PROPELLER	AEB0293660				
3078250-01	SHAFT ASSY-PROPELLER	21399376				
3078313-01	SHAFT & SLEEVE SET-PROPELLER	EAAE000L558	P4AQE			
3100742-01	COUPLING-POWER TURBINE SHAFT	EAAE000L558	P4AQE			
3101419-01	CARRIER-FIRST STAGE REDUCTION	PKAAA777244				
3102336-01	SHAFT-STUB,COMPRESSOR,FRONT	PKAAA784269				
3109239-01	BUS BAR-NEGATIVE TERMINAL,T5	RWA51F248	P4ARE			
3109240-01	BUS BAR-POSITIVE TERMINAL,T5	NR14788				
3109766-01	COUPLING-POWER TURBINE	NR15231				
3112117-03	BEARING BALL	PKAAA789094	P4AQC			
3112214-01	WIRING HARNESS THERMOCOUPLE	FCN495291				
3112368-01	BEARING-ROLLER FLANGED,.94X1.65X.47	NRA103620				
		FAA1808894				
		FAA1808895				
		FAA1808979				
		FAA1808980				
		FAA1809094				
		FAA1809097				
		FAA1809100				
		FAA1809105				
		FAA1809106				
		FAA1809109				
		FAA1809112				
		FAA1809113				
3112696-03	BEARING BALL,1.181X2.8345X.743,FLG	FCN494939				
3112748-01	LINER-COMBUSTION CHAMBER,INNER,ASYO	RWA53F537				
3114832-01	COUPLING-COMPRESSOR,REAR,HUB	PKAAA764850				
3117032-01	VALVE ASSY-COMPRESSOR BLEED	AHX2901728				
3119290-02	CASE-GAS GENERATOR,ASSY OF	RWA55F045				
3119975-01	HOUSING ASSY-PROP,RDCN GRBX,FRONT	RWA54F330				
3120295-01	DUCT-ASYO-TURBINE EXHAUST	RWA55F576				
3121632-01	HOUSING-POWER,TURBINE STATOR	SGA0051594	UAHZQ			
3123553-01	LINER-COMB CHMBR,OUTER,ASSY OF	FTA553A0302				

Approuvé par
Approved By

B. HORVATH



T.C. 4-58
NO. 022

Date 2018.09.23

