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Pratt & Whitney Canada

A United Technologies Company

PT6A-65AG S/N:PCE-PN0531 FINAL ACCEPTANCE TEST RECORD

2022 OCT 03 TEST CELL : 3202 BUILD SPEC.: 1102

ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH E&TI : 482

FINAL VANE FLOW AREAS FIRST STAGE : 29501 8S1 6.13
SECOND STAGE : 29501 2S4 22.12

PERFORMANCE DATA

TAKE-OFF

SPEC ACTUAL

PROP SPEED 1700. 1700.
S.L.S. STD.DAY POWER 1173. 1173.
I.T.T. (T5A TRIMMED) DEG R 1808. 1763.
T5D (DERIVED) DEG R 1835. 1760.
GAS GEN. SPEED RPM 36800. 36500.
SFC @ 18400 BTU/LB LB/SHP.HR 0.561 0.539
PRESSURE RATIO @ 36000 RPM 9.63 9.50

FUEL TYPE : CPW 204

TEST LHV : 18490. BTU/LB

S.G. : 0.816 @ 64. DEG F

OIL TYPE : PWA 521 TYPE II

OIL CONSUMPTION : 0.0 LB/HR

T.O. OIL PRESSURE : 122.6 PSI

OIL TEMPERATURE : 154.4 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 0.0 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 0.0 DEG C

I.T.T. TRIM CLASS : 20

TRIM RESISTANCE : 8 OHMS

COLD HARNESS RESISTANCE : 1.49 OHMS

B.O.V. SEAT CLASS : 04

HANDLING AND CONTROL SETTINGS

TRIMMED MAX NG : N/A RPM

UNTRIMMED MAX NG : 39000 RPM

DATA PLATE SPEED : 36500. RPM

IDLE SPEED : 21777 RPM

ACCEL. TIME F.I. TO MAX @ T1 : 3.59 SECS @ 56.7 DEGF

ENGINE DRY WEIGHT : 487.8 LBS.

PRODUCTION SIGNATURE :

T. PERRY

INSPECTION SIGNATURE : T. KLINE

GOVERNMENT INSPECTOR :

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

DATE 03 OCT 2022 AUTHORIZED INSPECTOR :

R. WEISTRA

Index of Engine Documentation

Engine Number: PCE- PN0531

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	9	No Technical data
Engine Airworthiness Directives	1	No Technical data
Engine Build Record Status	1	No Technical data
Engine Yellow Logbook	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.