

PRATT & WHITNEY CANADA

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PW206C S/N : PCE-BC0358 OVERHAUL TEST RECORD
DYNO BASED UNINSTALLED PERFORMANCE
P28 V02.04.29 UJUNPW206PRODV4

19 SEP 2012

BUILD SPEC.: 847

TEST CELL : 05-05

TESTED AS PER OH MANUAL REV (17) APPLICABLE SB : POST 28136 POST 28165

FINAL VANE FLOW CLASSES FIRST STAGE : 3.63

SECOND STAGE : 9.47

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PERFORMANCE DATA

	SPEC	ACTUAL	SPEC	ACTUAL
S.L.S. STD. DAY POWER, (SHP)	310.	310.	416.	416.
TRIMMED MGT, DEG R		1619		1729
DERIVED T4.4, DEG R		1655		1760
GAS GEN SPEED, RPM		50300		52400
SFC, LB/HR SHP @ 18400 BTU/LB		0.685		0.613

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PERFORMANCE DATA

	SPEC	ACTUAL	SPEC	ACTUAL
S.L.S. STD. DAY POWER, (SHP)	500.	500.	550.	550.
TRIMMED MGT, DEG R		1816		1867
DERIVED T4.4, DEG R	1865	1845		1895
GAS GEN SPEED, RPM	54200	54000		55000
SFC, LB/HR SHP @ 18400 BTU/LB		0.577	0.565	0.561

PRESSURE RATIO @ 53000 RPM

7.35

7.25

FUEL TYPE : CPW 204 JET A-1

FUEL LHV : 18600. BTU/LB

S.G. : 0.799 @ 82. DEG F

OIL TYPE : PWA 521 TYPE II

OIL CONSUMPTION : 0.000 LB/HR

OIL PRESSURE AT 45000 RPM : 56.8 PSI

OIL TEMPERATURE AT 45000 RPM : 181. DEG F

MGT TRIM BIAS : 105.0 C DEG

T/M TRIM SLOPE : 0.954

T/M TRIM DATUM : -6.60 %

NG MARGIN : 700. RPM

EQUIVALENT MGT MARGIN : 47. C DEG

ACTUAL

SPEC

ENGINE DRY WEIGHT : N/A

241.6 LBS

THE UNDERSIGNED CERTIFIES THAT THIS IS AN ACCURATE RECORD OF THE EVENTS DURING THE TEST OF SECTION PCE-BC0358.

DATE

SEP 19 2012

TEST CELL OPERATOR :

SC
WT54

INSPECTOR OR CERTIFIED OPERATOR :

SC
WT58

TEST ACCEPTED

DATE SEP 20 2012