

PRATT & WHITNEY CANADA

ENGINE BUILD RECORD STATUS

THE FOLLOWING SERVICE BULLETINS ARE BASIC TO :

ENGINE SERIAL NO. PCE-CG0483

ENGINE MODEL PW306C

BUILD SPEC 1026

SERVICE BULLETINS

25167	25173	25175	25177	25178	25179	25180	25181	25182
25183	25184	25187	25188	25189	25190	25191	25195	25198
25199	25200	25201	25202	25205	25208	25209	25211	25213
25215	25216	25218	25221	25222	25223	25225	25229	25230
25233	25234	25235	25238	25239	25245	25246	25247	25254
25255	25258	25259	25264	25267	25268	25269	25270	25273
25274	25278	25283	25284	25285	25288	25289	25296	25298
25299	25300	25301	25304	25305	25306	25308	25309	25314
25315	25317	25318	25319	25320	25321	25323	25324	25325
25326	25327	25330	25331	25332	25333	25335	25337	25338
25339	25340	25341						

APPROVED BY :

S. DEVITT



T.C. 4-58
NO. 007

DATE : 2008.07.14

680-0237 RH

PRATT&WHITNEY CANADA
PW306C FINAL ACCEPTANCE TEST RECORD
2008 JULY 13th

ENGINE S/N - PCE-CG0483
EI - 0712-E

BUILD SPEC. - 1026
TEST CELL - 22-04



SLS ISA PERFORMANCE DATA @ 5770 Lbs.

PARAMETER	SPEC.	ACTUAL
N1/RTH0	9780 - 10180 RPM	10031 RPM, 94.6 %
N2/RTH0	26325 - 26725 RPM	26565 RPM, 98.6 %
T45/TH0	777 °C	775 °C
SFC	0.418	0.412
P3/P1		19.4

N1 TRIM % - 1.40 %
 ENGINE STANDARD - N/A
 T45 TRIM - 51.0 °C
 OIL CONSUMPTION - 0.00 Lb/Hr
 ENGINE WEIGHT (DRY) - 1136.9 Lbs

DOT TYPE CERTIFICATE E-22
FAA TYPE CERTIFICATE E35NE

PRODUCTION SIGNATURE:  _____

INSPECTION SIGNATURE: _____  

The undersigned certifies that this record accurately sets forth the events during the test made on the engine herein identified.

DATE: 14 JUL 2008

AUTHORIZED INSPECTOR:

 **S. DEVITT**  T.C. 4-65 NO. 007

Index Of Engine Documentation

Engine Number: PCE - CG0483

PW306C

Document Name	Quantity of Documents
Engine Logbook	1
Authorized Release Certificate (Form 24-0078)	1
Final Acceptance Test Record Sheet	1
Fan blade Distribution Sheet	1
Engine Serialized Component Summary	1 x 7
Engine Build Status Report	1
Coordination Memo # CAC300/2008-012	1
FFT ATP	2
Life Limited Material History Record	15
Date	1 4 JUL 2008

Note: This index reflects the quantity of shipping documentation supplied with the engine, and must be included with the release package. (Revised Apr. 2008.)

FAN BLADE DISTRIBUTION

ENGINE MODEL

PW306C

BLADE PART NO.

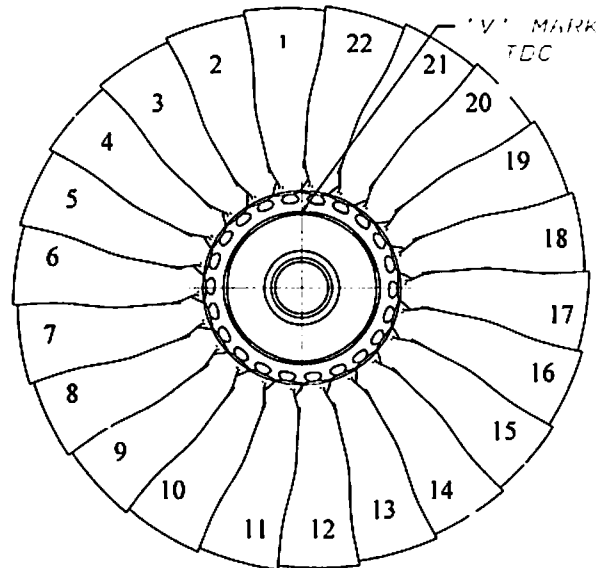
30B4934-01

P&WC 10903 (2007-03)

ENGINE SERIAL NO.

CG0483

POSITION NO.	MOMENT (OZ.- IN.)	SERIAL NO
1	298.31	TNAA034A049
2	293.26	TNAA034A419
3	293.76	TNAA034A411
4	293.20	TNAA034A678
5	294.30	TNAA034A653
6	292.98	TNAA034A417
7	294.74	TNAA034A654
8	292.43	TNAA034A053
9	295.59	TNAA034A676
10	292.20	TNAA034A421
11	296.10	TNAA034A681
12	296.18	TNAA034A629
13	296.17	TNAA034A680
14	291.80	TNAA034A679
15	292.09	TNAA034A418
16	292.08	TNAA023A680
17	296.76	TNAA034A048
18	291.42	TNAA034A183
19	297.04	TNAA023A678
20	291.06	TNAA034A182
21	298.28	TNAA033A973
22	290.12	TNAA034A337



LEADING EDGE VIEW

Signature/Stamp:

S. DEVITT   T.C. 4-58
NO. 007

Date:

14 JUL 2008

**CESSNA AIRCRAFT COMPANY/PRATT & WHITNEY CANADA
COORDINATION MEMO**

SOVEREIGN/PW306C PROGRAM	Memo #: CAC300/2008-012 Date: 27 June, 2008 Page: 1 of 1
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SUBJECT:	FFT Installation #2
AUTHOR:	Greg Light, Propulsion Engineering
APPROVAL:	Greg Light, Propulsion Engineering
ATTENTION:	Dave Tonks, Project Engineer, PW306C

1. Reference

- 1.1 PW300/08-012 P&WC Installation of Aircraft Flow meter on PW306C Engine
- 1.2 CAC300/2008-007 FFT Installation at PWC
- 1.3 CAC300/2008-010 Concurrence with TATP 24258 and 24296
- 1.4 TATP24451.

2. Discussion

- 2.1. P&WC installed fuel flow meters on PW306C engines on a trial basis per TATP24258 per Cessna's request. TATP 24258 instructs to install the Cessna fuel flow meter prior to engine pass-off test, check for leaks and ship the engine with the fuel flow meter installed.
- 2.2. Cessna has requested P&WC to consider installing the fuel flow meter on production engines on a long term basis.
- 2.3. P&WC has requested to install another six flow meters on a trial basis per TATP24451 to assess the feasibility of installing flow meters on a long term basis.

3. Action

- 3.1. P&WC to apply TATP 24451 and coordinate results with Cessna engineering and supply chain management.

4. Attachments

- 4.1. None.

DISTRIBUTION:

P&WC: L. Michalski,

CESSNA: T. Shriner, J. Bouma, D. Williams, B. Wellemeier, M. Ewing, B. Schmidt

Nothing contained herein shall be deemed to change the terms of any purchase order or contract.

<h1 style="margin: 0;">TEST DATA</h1>	SHEET 1 of
TEST: Acceptance	TEST ITEM P/N: 9-127-96
CONDUCTED PER: ATP9-127-96	TEST ITEM S/N: 105998- 536

- (✓ indicates compliance)
- 3.2 SCALE ERROR**
 Attach scale error data generated by automatic test system ✓ (✓)
- 3.3 PICKOFF OUTPUT**
- DRUM (start) Pulse Output 0.52 ($\geq 0.30 V_{p-p}$) ✓ (✓)
- IMPELLER (stop) Pulse Output 0.40 ($\geq 0.30 V_{p-p}$) ✓ (✓)
- DRUM (start) Pulse Rep. Time
 on attached data generated by automatic test system ✓ (✓)
- 3.4.1 ELECTRICAL BONDING** EDEC T359 MAY 0 1 '08
- Connector shell and inlet adapter fitting 1m Ω ($\leq 10 m\Omega$) ✓ (✓)
- Connector shell and outlet adapter fitting 1m Ω ($\leq 10 m\Omega$) ✓ (✓)
- 3.4.2 HIGH POTENTIAL TEST** EDEC T359 MAY 0 1 '08
- Leakage Current 0.015mA ($< 2.0 mA$) ✓ (✓)
- 3.4.3 INSULATION RESISTANCE AFTER HIGH POTENTIAL TEST** EDEC T359 MAY 0 1 '08
- Leakage Current 0.3 μ A ($< 12.5 \mu A$) ✓ (✓)
- 3.5 PROOF PRESSURE** ✓ (✓)
- 3.6 EXAMINATION OF PRODUCT**
- A. Length EDEC T359 MAY 0 1 '08 6.51" ✓ (✓)
- B. Electrical connector keyway orientation ✓ (✓)
- C. Flow direction arrow on both sides ✓ (✓)
- D. Neatness, cleanliness, workmanship ✓ (✓)
- E. Nameplate information ✓ (✓)
- F. Weight (empty) 1.3 ($\leq 1.3 lb.$) ✓ (✓)
- UNIT MEETS ALL ACCEPTANCE TEST REQUIREMENTS ✓ (✓)

CONDUCTED BY: EDEC T359	VERIFIED BY: EDEC T359 EDEC T359	DATE COMPLETED: MAY 01 2008
PROPRIETARY - SEE COVER FOR DETAILS CRANE ELDEC CORPORATION <small>A CRANE CO COMPANY</small>	CAGE CODE 08748	DOCUMENT NO. ATP9-127-96
	PAGE 4-2	REV. -

TEST DATA

SHEET 1 of 1

TEST: ACCEPTANCE TEST PROCEDURE
CONDUCTED PER: ATP9-127-96
DATE STARTED: 05/01/08

ENDED: 05/01/08

TEST ITEM P/N: 9-127-96
TEST ITEM S/N: 536 / 05998 - 536
ADCN(S):



MAY 01 2008

ATP FLOW ERROR

FLOW RATE (pph)	ERROR (pph) INCREASE / DECREASE	ERROR LIMITS (-/+pph)	RPM
150	-10 -7	-23 / 47	161.0
600	-1 -1	-10 / 4	290.0
900	-2 -2	-9 / 2	315.0
1200	-1 -1	-15 / 6	309.0
1500	1 -1	-20 / 4	263.0
2000	-2 0	-40 / 20	221.0
3000	-31 -35	-70 / 20	194.0
4300	-42 -36	-95 / 45	201.0

CONDUCTED BY:



APPROVED BY:



CERTIFIED BY:



ELDEC CORPORATION:
FSCM IDENT. NO. 08748
LYNNWOOD, WASHINGTON

DOCUMENT NO.

ATP9-127-96

PAGE

REV

