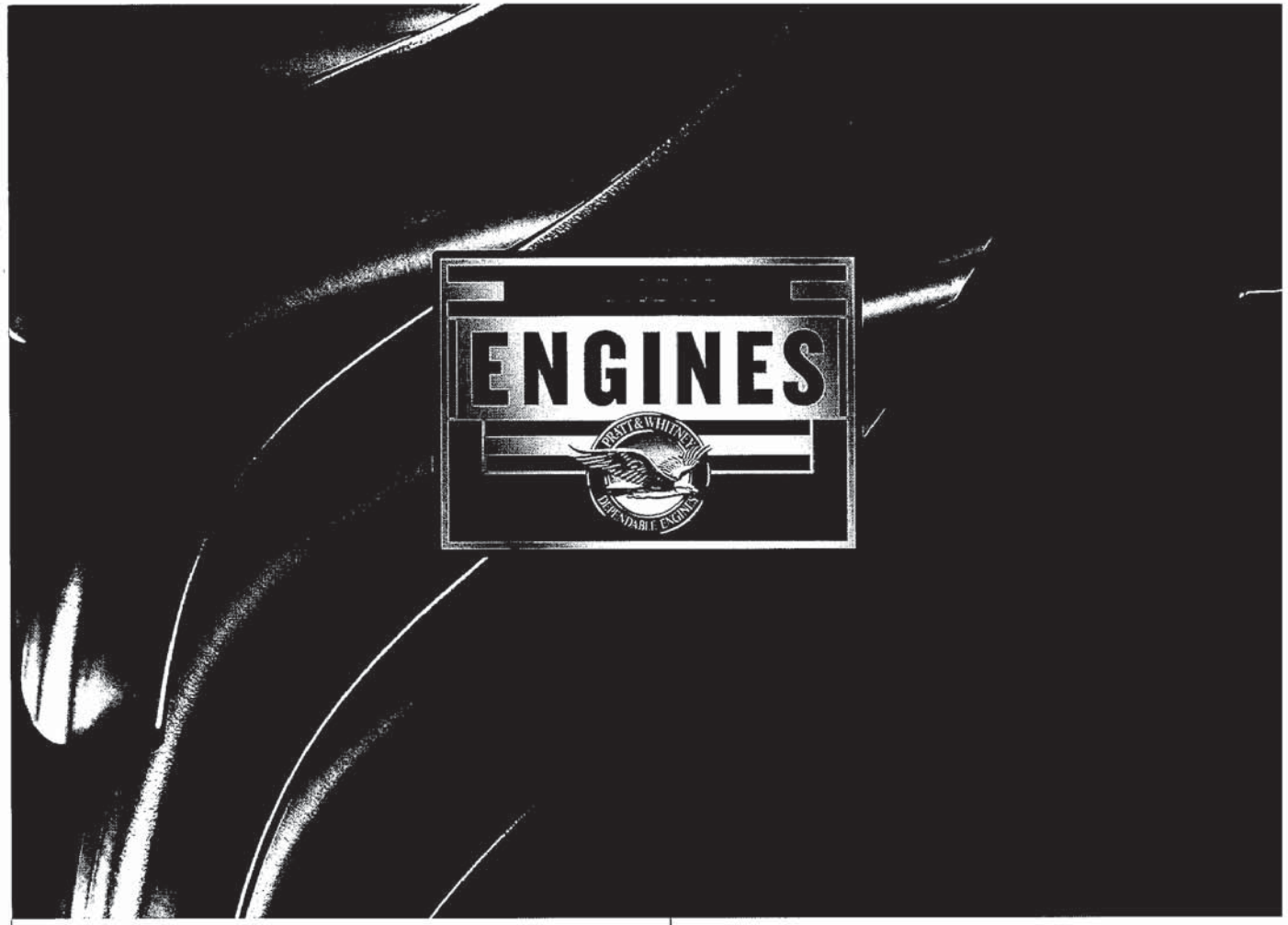

ENGINE TECHNOLOGY

PCE- RW0213

08-2301

Pratt & Whitney Canada
A United Technologies Company

WWW.PWC.CA

PRATT & WHITNEY

DEPENDABLE ENGINES

THIS PAGE IS PROVIDED FOR INSERTION BETWEEN THE BINDER AND THE FIRST PAGE OF THE MANUAL. IT WILL PREVENT THE PRINTED TEXT FROM ADHERING TO THE INSIDE BINDER COVER.

Pratt & Whitney Canada

A United Technologies Company

100E-00

Index of Engine Documentation

Engine Number: PCE-RW0213

Document Name	Quantity of Documents And when applicable only (Quantity of set) X (Quantity per set)
Final Acceptance Test Record	1
Engine Serialized Parts Summary	1 x 5
Life Limited Mat. History Record	9
Engine Airworthiness Directives	1
Engine Build Record Status	1
Engine Yellow Log book	2
Authorized Released Certificate	1

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

PRATT & WHITNEY CANADA CORP. P68 PROGRAM 4.4.27

PT6A-66B S/N:PCE-RW0213 FINAL ACCEPTANCE TEST RECORD

2012 JUL 30 TEST CELL : 3201 BUILD SPEC.: 1223

ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH E&TI : 0743

FINAL VANE FLOW AREAS FIRST STAGE : 21513 3S9 7.22

SECOND STAGE : 01466 2S2 23.84

PERFORMANCE DATA		PERF.ACCEPTANCE SPEC	PERF.ACCEPTANCE ACTUAL	AIRFRAME LIMIT SPEC	AIRFRAME LIMIT ACTUAL
PROP SPEED		2000.	2000.		2000.
S.L.S. STD.DAY POWER		950.	950.		700.
I.T.T. (T5A TRIMMED)	DEG R	1676.	1674.		1620.
T5D (DERIVED)	DEG R	1735.	1720.		1655.
GAS GEN. SPEED	RPM	35500	35150.		34350.
SFC @ 18400 BTU/LB	LB/SHP.HR	0.641	0.639		0.740
PRESSURE RATIO @ 34900	RPM	8.35	8.00		

FUEL TYPE : CPW 204

TEST LHV : 18551. BTU/LB

S.G. :0.806 @ 87. DEG F

OIL TYPE : PWA 521 TYPE II

OIL CONSUMPTION : 0.0 LB/HR

T.O. OIL PRESSURE : 118.6 PSI

OIL TEMPERATURE : 150.0 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 31.3 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 17.4 DEG C

I.T.T. TRIM CLASS : 15

TRIM RESISTANCE : 48.8 OHMS

COLD HARNESS RESISTANCE : 1.47 OHMS

BOV SEAT CLASS AS SHIPPED : 18

B.O.V. SEAT CLASS AS TESTED : 14

HANDLING AND CONTROL SETTINGS

TRIMMED MAX NG : N/A RPM

UNTRIMMED MAX NG : 39000 RPM

DATA PLATE SPEED : 34850. RPM

IDLE SPEED : 22283 RPM

ACCEL. TIME F.I. TO MAX @ T1 : 2.85 SECS @ 82.8 DEGF

ENGINE DRY WEIGHT : 448.7 LBS.

PRODUCTION SIGNATURE : T LOVE

INSPECTION SIGNATURE : B. DUNCAN

GOVERNMENT INSPECTOR :

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

DATE 31 JUL 2012 FOREMAN,ASSY.&TEST INSP : T.C. 4-58 NO. 022

B. HORVATH

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

Pratt & Whitney Canada
Une société de United Technologies /A United Technologies Company

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

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

Modèle / Model	PT6A-66B	N° de série / Serial No.	PCE-RW0213	Caract. de montage / Build Spec NO.	BS1223

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	PKAAA453910				
		PKAAA453915				
		PKAAA453917				
		PKAAA453928				
		PKAAA453931				
3012286	COUPLING SHAFT FLEX 2ND STAGE RED'N	PKAAA440064				
3023250	GEAR-SUN,2STG RDCN,46 TEETH	PKAAA448382				
3023252	ADAPTER-SPLINED,FIRST STAGE CARRIER	PKAAA448665				
3027977	CARRIER-SECOND STAGE REDUCTION	PKAAA439046				
3028007	BEARING-ROLLER FLANGED	BB0140660				
3028683	GEAR-RING,SECOND STAGE REDUCTION	PKAAA441016				
3035889	EXCITER-IGNITION	NNA12230034				
3036898	IMPELLER-CENTRIFUGAL	TXA1C6875	ZAEEG	028		
3037312	DISC-TURBINE, POWER	A0036TFA	LATNU	6308		
3037313	DISC-TURBINE, POWER	YUAA011A950	LADNS	6097		
3038472	FLOW DIVIDER AND PURGE VALVE	9959525612				
3040760	PUMP-FUEL	011734				
3040931CL07	COMPRESSOR-TURBINE STATOR,ASSY OF	PDAH243F01				
3040933	ROTOR-COMPRESSOR	EAAC000T520	EPNEC	18		
3040942	ROTOR-COMPRESSOR	EAAC000R942	KAXFB	053		
3040944	ROTOR-COMPRESSOR	TXA1C6687	KAXEE	364		
3040982CL02	VANE RING-POWER TURBINE	HEHDE01				
3041163	VANE RING-TURBINE 3RD STAGE	PDAH7M2A01				
3042701	ROTOR-COMPRESSOR	TXA1C6539	KAXFH	011		
3043063	SHAFT-STUB,COMPRESSOR ROTOR	PKAAA443448	EPNBM	93		
3043705-01	HOUSING-POWER TURBINE STATOR	CTAA003A689	SXCXT			
3043825-01	WIRING HARNESS-THERMOCOUPLE	NRA000946				
3043919-01	DUCT-TURBINE EXHAUST,ASYO	RWA79D507				
3053740-01	DISC-TURBINE, COMPRESSOR	YUAA011A446	EPNBL	3		
3054489-01	SHAFT - PROPELLER	EAAC000P786				
3055663-01	LINER-COMB CHMBR,OUTER,ASYO	FTA663A0078				
3056693-01	BLADE-POWER TURBINE(MACHINING)	HWFN9956				
		HWFT1062				
		HWFT1075				
		HWFT2049				
		HWFT2062				
		HWFT2128				
		HWFT2129				

Cont'd

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1000, Marie-Victorin
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J4G 1A1
450-677-9411

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

Modèle / Model	PT6A-66B	N° de série / Serial No.	PCE-RW0213	Caract. de montage / Build Spec NO.	BS1223

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.
		HWFT2152				
		HWFT2249				
		HWFT2266				
		HWFT2280				
		HWFT2420				
		HWFT2447				
		HWFT2496				
		HWFT2517				
		HWFT3132				
		HWFT3153				
		HWFT3163				
		HWFT3167				
		HWFT3174				
		HWFT3176				
		HWFT3185				
		HWFT3220				
		HWFT3224				
		HWFT3645				
		HWFT3660				
		HWFT3694				
		HWFT3727				
		HWFT5684				
		HWFT5707				
		HWHB6160				
		HWHB8314				
		HWHB8362				
		HWHB9357				
		HWHB9372				
		HWHB9377				
		HWHB9406				
		HWHB9418				
		HWHB9421				
		HWHC2813				
		HWHC2814				
		HWHC2816				
		HWHC2854				
3057249-01	HEATER-OIL TO FUEL	WA44513				
3059835-01	VALVE-COMPRESSOR BLEED, ASSY	AHX1000135				

Cont'd

Liste des composants moteur à numéros de série
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1000, Marie-Victorin
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J4G 1A1
450-677-9411

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

Modèle / Model	PT6A-66B	N° de série / Serial No.	PCE-RW0213	Caract. de montage / Build Spec NO.	BS1223

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.
3059924-01	GEAR-PLANET,1ST STAGE REDUCTION	PKAAA438444				
		PKAAA438449				
		PKAAA438456				
3059927-01	GEAR RING,FIRST STAGE REDUCTION	PKAAA448999				
3059928-01	GEAR-SUN,FIRST STAGE RCDN,ASSY OF	PKAAA439567				
3070217-01	GEARSHAFT-STARTER GENERATOR DRIVE	PKAAA438827				
3070673-01	HOUSING-POWER TURBINE SHAFT,ASSY OF	LPA000011491				
3072721-01	BEARING-BALL,2.9528X5.1181X.9843	BB0142986				
3073900-01	BEARING-RLR,FLG 1.5748X2.6772X.5906	AEB0140186				
		AEB0141249				
3101419-01	CARRIER-FIRST STAGE REDUCTION	PKAAA440639				
3107525-01	COUPLING-POWER,TURBINE	PKAAA444568	EPMEB			
3109239-01	BUS BAR-NEGATIVE TERMINAL,T5	NR10752				
3109240-01	BUS BAR-POSITIVE TERMINAL,T5	NR10799				
3109251-01	SHAFT-POWER,TURBINE	RWA73D124	KAXDY			
3112272-01	HOUSING ASSY-PROP RDCN GBX,FRONT	RWA64D652				
3112368-01	BEARING-ROLLER FLANGED,.94X1.65X.47	FAA1207182				
		FAA1207218				
		FAA1207225				
		FAA1207230				
		FAA1207233				
		FAA1207237				
		FAA1207243				
		FAA1207260				
		FAA1207264				
		FAA1207265				
3112612-01	COUPLING-COMPRESSOR,REAR HUB	PKAAA440113				
3112696-03	BEARING BALL,1.181X2.8345X.743,FLG	FCN358397				
3113589-01	BEARING-BALL,1.450X3.600X1.000	FAA1207876				
3113744-01	COUPLING-POWER TURBINE SHAFT	PKAAA447074				
3116790-01	LINER-COMB CHMBR INNER,ASYO	RWA79D010				
3118495-03	GOVERNOR-PROPELLER	18123502				
3118911-01	BLADE-TURBINE, 1ST STAGE	PMT7574				
		PMT7579				
		PMT7580				
		PMT7583				
		PMT7589				
		PMT7600				

Cont'd

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1000, Marie-Victorin
Longueuil, Québec, Canada
J4G 1A1
450-677-9411

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

Modèle / Model	PT6A-66B	N° de série / Serial No.	PCE-RW0213	Caract. de montage / Build Spec NO.	BS1223

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.
		PMT7625				
		PMT7635				
		PMT7641				
		PMT7647				
		PMT7671				
		PMT7681				
		PMT7691				
		PMT7739				
		PMT7756				
		PMT7759				
		PMT7770				
		PMT7836				
		PMT7846				
		PMT7874				
		PMT7884				
		PMT7885				
		PMT7959				
		PMT7969				
		PMT7971				
		PMT7978				
		PMW2000				
		PMW2011				
		PMW2014				
		PMW2015				
		PMW2019				
		PMW2101				
		PMW2110				
		PMW2118				
		PMW2121				
		PMW2148				
		PMW2178				
		PMW2183				
		PMW2202				
		PMW2204				
		PMW2211				
		PMW2212				
		PMW2221				
3120663-01	SHAFT-STUB-COMPRESSOR-ROTOR	RWA71D230	EPMWW			

Cont'd

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, Marie-Victorin
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J4G 1A1
450-677-9411

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

Modèle / Model	PT6A-66B	N° de série / Serial No.	PCE-RW0213	Caract. de montage / Build Spec NO.	BS1223

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.
3120832-04	FUEL CONTROL UNIT	18098436				
3123229-01	CASE ASYO-GAS GENERATOR	RWA76D952				

Approuvé par / Approved By: M. DUNCAN

T.C. 4-58 NO. 025

Date: 2013.04.30

J 2013-04-30 12:23:26 R3 2013-04-30 12:23:26 PR1 400 BP34743 /opt/uniq/queue/terrain0906092537B

Fin du document - End-of-document

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies /A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
IMPELLER-CENTRIFUGAL	ZAEEG	2013.04.30

Nº du matériel / Material No.	Nº de série du matériel / Material Serial No.	Nº de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3036898	TXA1C6875	028	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	Nº de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
DISC-TURBINE, POWER	LATNU	2013.04.30

N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3037312	A0036TFA	6308	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies /A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name		Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
DISC-TURBINE, POWER		LADNS	2013.04.30
N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New: 0 — Cycles depuis neuf / Cycles Since New: 0
3037313	YUAA011A950	6097	

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
ROTOR-COMPRESSOR	EPNEC	2013.04.30

N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3040933	EAAC000T520	18	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Émis le (A-M-J) / Issue Date (Y-M-D)
ROTOR-COMPRESSOR	KAXFB	2013.04.30

N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3040942	EAAC000R942	053	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies /A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
ROTOR-COMPRESSOR	KAXEE	2013.04.30

N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3040944	TXA1C6687	364	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Corp. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
ROTOR-COMPRESSOR	KAXFH	2013.04.30

N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3042701	TXA1C6539	011	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies /A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name		Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
SHAFT-STUB,COMPRESSOR ROTOR		EPNBM	2013.04.30
N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New: 0 — Cycles depuis neuf / Cycles Since New: 0
3043063	PKAAA443448	93	

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée
Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

P&WC JR3-6834-E [6834] (2012-10)

Désignation du matériel / Material Name	Code de traitement thermique / Heat Code	Emis le (A-M-J) / Issue Date (Y-M-D)
DISC-TURBINE, COMPRESSOR	EPNBL	2013.04.30

N° du matériel / Material No.	N° de série du matériel / Material Serial No.	N° de série du mat'l. forgé / Forging Mat'l. Serial No.	Temps depuis neuf / Time Since New	Cycles depuis neuf / Cycles Since New
3053740-01	YUAA011A446	3	0	0

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data				Données sur le matériel - Material Data					
Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE -RW0213	PT6A-66B							

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Transport Canada Transports Canada

TP 14182
(Revised 05/2005)

Engine Logbook

POWER SECTION MODULE LOG BOOK

TC-1001185

05/2005

Canada

Other related Transport Canada Publications:
TP 14089B
TP 14058E/F

Previous Edition:
TP 3910E, 2nd Edition (Jan. 1987)
TP 14182E (Dec. 2003)

Printed in Canada.

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TP 14182E
(05/2005)
TC-1001185
Catalogue No. T52-4/2-2003E

Volume #: 1

Opened on: 30 APR 2013

ENGINE DETAILS

1. Manufacturer — **Pratt & Whitney Canada Corp.**

2. Type/Model/Series — **E.T.C. E-** 21 **PT6A-** 66B **B/S:** 1223

3. Serial Number — **PS-** RW0213

ENGINE TECHNICAL RECORD

INSTRUCTIONS FOR USE

General

This engine logbook is part of the permanent technical record for the engine described on page i. Only information that is directly applicable to the engine should be entered into this log. Information relating to the airframe, propellers, or other components having their own technical records, should be entered into those records. Entries may be made either by writing directly in the log pages, or by completion of separate typed reports, which are then pasted, or otherwise permanently attached to the applicable sections of the logbook. The regulatory requirements for permanent technical records are contained in Division IV of Subpart 605 of the *Canadian Aviation Regulations* (CARs).

Users may adopt different date formats to conform to local convention. Upon commencing a new page, enter an example of the date format to be used in the space provided at the top of each date column. For example, enter "dd/mm/yy" if date will be entered in the sequence day, month and the last two digits of the year. All date entries on that page must then conform to the format indicated. When an entry takes up more than one row, draw a line through the unused cells of the affected rows to prevent the entry of unrelated information.

Maintenance may be recorded directly in this log, together with the applicable maintenance release, or it may be first recorded and certified in the aircraft journey log, and then transcribed into this log no later than thirty days following the events concerned. Where maintenance is originally certified in the journey log, there is no need for a second maintenance release when the particulars (along with the name and authorization reference[1] of the person who made the original entry) are transcribed into this log however the name of the person making the transcription must be entered. Persons who transcribe entries are responsible only for the accuracy of the transcription, not for the work described.

When an entry made in this technical record is signed and an authorization reference is entered adjacent to the signature, the entry constitutes the maintenance release required by CAR 605.85, and indicates that the maintenance has been performed in accordance with the applicable airworthiness requirements.

Engine information (front page)

On bringing this log into use, enter the appropriate volume number, the date, and other applicable information relating to the engine in the spaces provided on page i. Upon starting a new volume, current information found in Sections 2 thru 5 of the completed log are to be transcribed from the previous volume.

Section 1: Record of engine maintenance and elementary work

For each item of maintenance or elementary work performed on the engine (including compliance with airworthiness directives and the removal and installation of items that have their own permanent technical records) enter the date, engine total time in service since new (if known), time since engine overhaul (and/or engine cycles, as applicable) and a brief description of the task, in the appropriate cells. Where the information is transcribed from the aircraft journey log, the name of the person transcribing the information should be printed (not signed) in the signature cell, and a line struck through the "AME ACA/AMO SCA/AMO" cell.

[1] e.g., an Aircraft Maintenance Engineer (AME) licence number, or an Aircraft Certifying Authority (ACA) or Shop Certifying Authority (SCA) reference, together with the applicable Approved Maintenance Organization (AMO) number

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
30 APR 2013	0.0	0.0	0	**New engine final acceptance test completed satisfactorily and is in condition for safe operation.**	**This Power Section module is combined with Gas Generator.** S/N: PCE- RW0213 NG/√Θ 34850 RPM, at 850 SHP /δ√Θ ITT Trim: 17.4 C° T5 Trim resistance: 48.8 Ohms	M. DUNCAN	T.C. 4-68 NO. 025
12.05.2013	0:00		0	THIS ENGINE HAS BEEN INSTALLED AND HAS BEEN FILLED WITH	ON P-180 SIN 1124 - RH SIDE OIL MOBIL JET II MIL-PRF-23699		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
18.07.2013	128:21		172	200 FH INSPECTION + ADDITIONAL	TASKS I.A.W. CRS Nº LPR/SOTE/02/MXI/2013		SP ZOZ LPR PL 145.022 TUL 51 K. Kościelski
08.11.2013	290:20		401	200 FH NACELLE INSP. + CRS Nº LPR/SOTE/03/MXI/2013	MINOR INSP. + ADDITIONAL TASKS I.A.W.		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
24.02.2014	442:00		610	200 FH INSP + MINOR INSP + LEAK ADJY + SB PTGA-72-14357R4 + ADDITIO	TEST AND FLIT FUEL MANIFOLD ADAPTER AND NOZZLE NAL TASKS I.A.W. CRS Nº LPR/SOTWO/02/MXI/2014		SP ZOZ LPR PL 145.022 TUL 51 K. Kościelski
11.06.2014	647:48		878	200 FH INSP + MINOR INSP + ADDITIONAL	TASKS I.A.W. CRS Nº LPR/SOTWO/04/MXI/2014		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
06.10.2014	819:09		1102	200 FH INSP + MINOR INSP + ADDITI	ONAL TASKS I.A.W. CRS Nº LPR/SOTWO/05/MXI/2014		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
~~14.04.2015~~	~~1000:45~~		~~1324~~	B INSP + 200 FH INSP. + MINOR INSP. +	ADDITIONAL TASKS + SB PTGA-72-14495 +		
10.04.2015	998:58		1323	PWC SPARE PARTS RECALL DATED	ON 30.03.2015 I.A.W. CRS Nº LPR/SOTWO/02/MXI/2015		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
15.08.2015	1199:29		1565	200 FH INSP. + MINOR INSP +	ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/05/MXI/2015		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
21.11.2015	1400:00		1831	200 FH INSP + MINOR INSP. +	ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/07/MXI/2015		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
19.03.2016	1594:55		2087	200 FH INSP + MINOR INSP. +	ADDITIONAL TASKS I.A.W. CRS No. LPR/SOTWO/02/MXI/2016	SP ZOZ LPR/CAMO Inżynier CAM, Nr UL/14 Adam Nieweczas	LPR CAM UL/14
06.06.2016	1622:27		2125	"B" INSP. + 200 FH INSP. + MINOR INSP. + LPR/SOTWO/05/MXI/2016	FUEL MANIFOLD INSP. + ADD. TASKS I.A.W CRS No	SP ZOZ LPR/CAMO Inżynier CAM, Nr UL/14 Adam Nieweczas	LPR CAM UL/14

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
06.APR.2017	1705:53	—	2247	C-Insp + Eng Minor + Hot + Add. Task's i.a.w. Standard Rheinland Air Service GmbH	Section Inspection + Oil Filter replacement Aero EASA FORM 1 JTCJ170330-2 and Workreport/CRS 139069		Licence No: DE.66.178 C Continuing Staff DE.145.0048
20.09.2017	1882:31	—	2472	200 FH + Eng Minor inspection. CRS	LPR/SOTO/01/MXI/2017.		LPR CAM UL/15
17.01.2018	2099:20	—	2760	200 FH + Eng Minor inspection. CRS	LPR/SOTO/01/MXI/2018.		LPR CAM UL/15
15.03.2018	2198:18	—	2956	Hot section borescope inspection + Fuel pump outlet filter element P/N	Fuel manifold adapter and nozzles leak test and function test. 3059779-01 replacement. CRS 112/30/MXI/0/2.		LPR CAM UL/15
08-06.2018	2292:08	—	3031	B Check + Eng Minor + 6MO, 1Y, 2Y test and function test. CRS LPR/S	inspections + Fuel manifold adapter and nozzles leak OTO/02/MXI/2018.		LPR CAM UL/15
24.01.2019	2476:40	—	3273	200 FH + Eng Minor inspections. Nick compressor rotor blade, dimensions acceptable limits i.a.w. EMM 72-30 CRS LPR/SOTO/01/MXI/2019.	on the A-area on the leading edge of the 1st stage 0,042 in. deep, 0,068 in. wide. Nick is in the -05 p.5 - no actions required, inspect in 100 FH.		LPR CAM UL/15
02.04.2019	2544:21	—	3368	Power turbine blades inspected i.a.w CRS 125/04/MXI/1.	EMM 72-00-00 p. 10, H. (2) due to propeller exchange.		LPR CAM UL/15
29.04.2019	2563:49	—	3396	Inspection of nick on the A-area blade, dimensions: 0,042 in. deep, Inspect in 400 FH i.a.w. EMM 72-30	on the leading edge of the 1st stage compressor rotor 0,068 in. wide - no dimension changed. -05 p.5. CRS 125/27/MXI/2.		LPR CAM UL/15
25.09.2019	2669:54	—	3555	200FH, Eng Minor, 6MO, 2Y inspectio due to excessive play. Replaced CRS LPR/SOTO/03/MXI/2019.	ns. Replaced all bushings installed in beta reversing oil filter element due to life limit.		LPR CAM UL/15
21.11.2019	2786:32	—	3700	Hot section examined with bores	cope. CRS 130/21/MXI/1.		LPR CAM UL/15
08.04.2020	2890:35	—	3843	B Check + Eng Minor + 6MO insp. and function test + hot section on the leading edge of the 1st	+ Fuel Manifold adapter and nozzles leak test examination with borescope. Inspection of nick stage compressor rotor blade, dimensions:		

(continuation on the next page →)

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
				0,042 in. deep, 0,068 in. wide –	no dimension changed. Inspect in 400 FH i.a.w.		LPR CAM UL / 15
				EMM 72-30-05 p.5. CRS LPR/	SOTO/01/MX1/2020.	[signature]	
08.10.2020	3070:23	—	4073	200 FH, Eng Minor, 6MO, 1Y insp.	CRS LPR/SOTO/03/MX1/2020.	[signature]	LPR CAM UL / 15
23.06.2021	3258:48	—	4317	200 FH, Eng Minor, 6MO, 2Y inspecti	ons. Inspection of nick on the A-area on the		
				leading edge of the 1st stage	compressor rotor blade, dimensions: 0,042 in.		
				deep, 0,068 in. wide – no dimen	sion change. Inspect in 400 FH i.a.w. EMM		
				72-30-05 p.5. Replaced Starter	/ Generator oil leap seal due to leakage from		
				S/G drain tube after engine	stop. CRS LPR/SOTO/02/MX1/2021.	[signature]	LPR CAM UL / 15

Transport Canada Transports Canada

TP 14182
(Revised 05/2005)

Engine Logbook

GAS GENERATOR MODULE LOG BOOK

TC-1001185

05/2005

Canada

Other related Transport Canada Publications:
TP 14089B
TP 14058E/F

Previous Edition:
TP 3910E, 2nd Edition (Jan. 1987)
TP 14182E (Dec. 2003)

Printed in Canada.

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TP 14182E
(05/2005)
TC-1001185
Catalogue No. T52-4/2-2003E

Volume #: 1

Opened on: 30 APR 2013

ENGINE DETAILS

1. Manufacturer — **Pratt & Whitney Canada Corp.**

2. Type/Model/Series — **E.T.C. E-** 21 **PT6A-** 66B **B/S:** 1223

3. Serial Number — **PCE-** RW0213

ENGINE TECHNICAL RECORD

INSTRUCTIONS FOR USE

General

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Engine information (front page)

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[1] e.g., an Aircraft Maintenance Engineer (AME) licence number, or an Aircraft Certifying Authority (ACA) or Shop Certifying Authority (SCA) reference, together with the applicable Approved Maintenance Organization (AMO) number

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
30 APR 2013	0.0	0.0	0	**New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.**	**This Gas Generator module is combined with Power Section.** **S/N: PS-** RW0213 **NG/√Θ** 34850 **RPM, at** 850 **SHP/δ√Θ** **ITT Trim:** 17.4 **C°** **T5 Trim resistance:** 48.8 **Ohms**	M. DUNCAN (364) T.C. 4-68 NO. 025	
12.05.2013	0:00		0	THIS ENGINE HAS BEEN INSTALLED AND HAS BEEN FILLED WITH	ON P-180 S/N 1124 - RH SIDE OIL MOBIL JET II MIL-PRF-23699		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
18.07.2013	128:21		172	200 FH INSPECTION + ADDITIONAL TASKS	I.A.W. CRS Nº LPR/SOTE/02/MXI/2013		SP ZOZ LPR PL 145.022 TUL 51 K. Kościelski
08.11.2013	290:20		401	200 FH NACELLE INSP. + CRS Nº LPR/SOTE/03/MXI/2013	MINOR INSP. + ADDITIONAL TASKS I.A.W.		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
24.02.2014	442:00		610	200 FH INSP + MINOR INSP + LEAK TEST AND FUT FUEL MANIFOLD ADAPTER AND NOZZLE ASSY + SB PT6A-72-14395R4 + ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/02/MXI/2014		SP ZOZ LPR PL 145.022 TUL 51 K. Kościelski
11.06.2014	647:48		878	200 FH INSP. + MINOR INSP. + ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/04/MXI/2014			SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
06.10.2014	819:09		1102	200 FH INSP + MINOR INSP. + ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/05/MXI/2014			SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
~~11.04.2015~~ 10.04.2015	~~1000:40~~ 998:58		~~1324~~ 1323	B INSP + 200FH INSP + MINOR INSP. + + SB PT6A-72-14495 + PWC SPARE	ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/02/MXI/2015 PARTS RECALL DATED ON 30.03.2015		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
15.08.2015	1199:29		1565	200 FH INSP + MINOR INSP +	ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/05/MXI/2015		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
21.11.2015	1400:00		1831	200 FH INSP + MINOR INSP +	ADDITIONAL TASKS I.A.W. CRS Nº LPR/SOTWO/07/MXI/2015		SP ZOZ LPR PL 145.022 TUL 50 T. Wesołowski
~~11.08.2015~~ 19.03.2016	1594:55		2087	200 FH INSP. + MINOR INSP. +	ADDITIONAL TASKS I.A.W CRS No. LPR/SOTWO/02/MXI/2016	SP ZOZ LPR/CAMO Inżynier CAM, Nr UL/14 Adam Niewczas	LPR CAM UL / 14
06.06.2016	1622:27		2125	B INSP + 200 FH INSP + MINOR INSP CRS No. LPR/SOTWO/05/MXI/2016	+ ADD. TASKS + FUELMANIFOLD INSPECTION I.A.W	SP ZOZ LPR/CAMO Inżynier CAM, Nr UL/14 Adam Niewczas	LPR CAM UL / 14

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
06. APR. 2017	1705:53	—	2247	C-Insp + Eng Minor + Hot + Add. Task's i.a.w Standard GmbH Workreport/CRS 139069	Section Inspection + Oil Filter replacement Aero EASA FORM 1 and Rheinland Air Service JTCJ 170330-2		Doc. No. DE.66.178 C Certifying staff DE.145.0048
20.09.2017	1882:31	—	2472	200 FH + Eng Minor inspection. CRS	LPR/SOTO/01/MXI/2017.		LPR CAM UL/15
17.01.2018	2099:20	—	2760	200 FH + Eng Minor inspection CRS	LPR/SOTO/01/MXI/2018.		LPR CAM UL/15
15.03.2018	2198:18	—	2956	Hot section borescope inspection + function test. Fuel pump outlet filter CRS 112/30/MXI/0/2.	Fuel manifold adapter and nozzles leak test and element P/N 3059779-01 replacement		LPR CAM UL/15
08.06.2018	2292:09	—	3031	B Check + Eng Minor + 6MO, 1Y, 2Y test and function test. CRS LPR	inspections + Fuel manifold adapter and nozzles leak /SOTO/02/MXI/2018.		LPR CAM UL/15
24.01.2019	2476:40	—	3273	200 FH + Eng Minor inspections. 1st stage compressor rotor blade, the acceptable limits i.a.w. EMM 72-30-05 p.5 CRS LPR/SOTO/01/MXI/2019.	Nick on the A-area on the leading edge of the dimensions: 0,042 in. deep, 0,068 in. wide. Nick is in - no actions required, inspect in 100 FH.		LPR CAM UL/15
02.04.2019	2544:21	—	3368	Power turbine blades inspected i.a.w CRS 125/04/MXI/1.	EMM 72-00-00 p. 10.H.(2) due to propeller exchange.		LPR CAM UL/15
29.04.2019	2563:49	—	3396	Inspection of nick on the A-area blade, dimensions: 0,042 in. deep, i.a.w. EMM 72-30-05 p.5. CRS	on the leading edge of the 1st stage compressor rotor 0,068 in. wide - no dimension changed. Inspect in 400 FH & 125/27/MXI/2.		LPR CAM UL/15
25.09.2019	2669:54	—	3555	200 FH, Eng Minor, 6MO, 2Y inspection due to excessive play. Replaced CRS LPR/SOTO/03/MXI/2019.	Replaced all bushings installed in beta reversing oil filter element due to life limit.		LPR CAM UL/15
21.11.2019	2786:32	—	3700	Hot section examined with bore	scope. CRS 130/21/MXI/1.		LPR CAM UL/15
08.04.2020	2890:35	—	3843	B Check + Eng Minor + 6MO insp. + function test + hot section examinat	Fuel manifold adapter and nozzles leak test and ion with borescope. Inspection of nick on the leading		

(continuation on the next page →)

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
				edge of the 1st stage compressor	rotor blade, dimensions: 0,042 in. deep, 0,068 in.		
				wide – no dimension changed. Inspect	in 400 FH i.a.w. EMM 72-30-05 p.5.		
				CRS LPR/SOTO/01/MXI/2020.		Mueller	LPR CAM UL/15
08.10.2020	3070:23	—	4073	200 FH, Eng Minor, 6MO, 1Y insp.	CRS LPR/SOTO/03/MXI/2020.	Mueller	LPR CAM UL/15
23.06.2021	3258:48	—	4317	200 FH, Eng Minor, 6MO, 2Y insp.	Inspection of nick on the A-area on the leading edge		
				of the 1st stage compressor rotor	blade, dimensions: 0,042 in. deep, 0,068 in. wide –		
				– no dimension change. Inspection	in 400 FH i.a.w. EMM 72-30-05 p.5.		
				Replaced Starter/Generator oil	leap seal due to leakage from S/G drain tube		LPR CAM UL/15
				after engine stop. CRS LPR/SO	TO/02/MXI/2021.	Mueller	

Section 4: Record of engine applicable airworthiness directives, airworthiness limitations and equivalent mandatory requirements

Reference (e.g. AD #)	Effective date - - / - - / - -	Compliance threshold	Compliance interval	Description of requirements

Engine Airworthiness Directives

QC 2371 (2009-06)
QUALITE - MONTAGE ET ESSAIS - ÉT. 01 - QUALITY ASSEMBLY AND TEST - PLANT 01 (4570)

Pratt & Whitney Canada
A United Technologies Company

Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Quebec
Canada J4G 1A1

Engine S/N	PCE-RW0213

Reference	A.D.'s	Sign	Lic. # or Stamp	Date
EASA A.D. 2010-0123R1	Failure of some engine oil dipsticks due to moisture penetration into the dipstick & subsequent corrosion, can cause incorrect reading of the engine oil low level on the Refuel/Ground Test panel.	M. DUNCAN	T.C. 4-58 NO. 025	30 APR 2013
FAA A.D. 2012-09-10	Not Applicable. The manufacturer and part number of the First Stage Reduction Sun Gear and associated Planetary Gear Set installed during engine manufacture not listed in the Applicability section of the A.D.	M. DUNCAN	T.C. 4-58 NO. 025	30 APR 2013

Section 5: Record of engine major modifications and repairs, and supplemental Instructions for Continued Airworthiness (ICA)

Date embodied --/--/--	STC/RDA/PDA	Description of changes	ICA (Y/N)
30 APR 2013		For the list of SBs incorporated at manufacture, see attached Engine Build Record Status Report sheet.	

PRATT & WHITNEY CANADA

ENGINE BUILD RECORD STATUS

THE FOLLOWING SERVICE BULLETINS ARE BASIC TO :

ENGINE SERIAL NO. PCE-RW0213

ENGINE MODEL PT6A-66B

BUILD SPEC 1223

SERVICE BULLETINS

14054	14363	14395	14399	14405	14406	14407	14408	14411
14413	14416	14428	14438	14450	14451	14452	14455	

APPROVED BY: T.C. 4-58 NO. 025 M. DUNCAN DATE: 2013.04.30

1. Autorité de l'aviation civile/Pays qui approuve le bon de sortie Approving Civil Aviation Authority/Country	2. BON DE SORTIE AUTORISÉE - AUTHORIZED RELEASE CERTIFICATE	3. Numéro de suivi du formulaire - Form Tracking No.
Transport Canada	**FORM ONE**	SEE BLOCK 5

4. Nom et adresse de l'organisme - Organization Name and Address		5. Bon de travail/Contrat/Facture – Work Order/Contract/Invoice
Pratt & Whitney Canada Une societe de United Technologies/A United Technologies Company	Pratt & Whitney Canada Cie ./ Pratt & Whitney Canada Corp. 4045 – 26 AVE. North Lethbridge, Alberta. Canada T1H 6G2	4000839419

6. Article - Item	7. Description	8. Numéro de pièce - Part Number	9. Qtée. – Qty.	10. Numéro de série/de lot - Serial/Batch No.	11. Situation/Travail - Status/Work
1	PT6A-66B TURBOPROP GAS TURBINE ENGINE	3072196-01 – BS1223	1	PCE-RW0213 Includes PS-RW0213	NEW

12. Remarques - Remarks

CERTIFIES THAT THE ITEM IDENTIFIED ABOVE WAS MANUFACTURED IN CONFORMITY TO APPROVED DESIGN DATA AS IDENTIFIED IN THE CANADIAN TYPE CERTIFICATE NUMBER E-21, TO ITS UNITED STATES TYPE DESIGN (TYPE CERTIFICATE NUMBER E26NE, REV 14, DATED 04 NOVEMBER 2011), TO ITS EASA APPROVED TYPE CERTIFICATE NUMBER IM.E.008,TO ITS ANAC BRAZILIAN TYPE CERTIFICATE NUMBER 9410 AND IS IN CONDITION FOR SAFE OPERATION.THIS ENGINE HAS BEEN SUBJECTED BY THE MANUFACTURER TO A FINAL OPERATION CHECK AND IS IN A PROPER STATE OF AIRWORTHINESS.

13a. Le présent bon certifie que les articles indiqués ci-dessus ont été construits conformément à :
Certifies that the items identified above were manufactured in conformity to:

☒ des données de conception approuvées et qu'ils peuvent être utilisés en toute sécurité.
approved design data and are in condition for safe operation.

☐ des données de conception non approuvées indiquées à la case 12.
non approved design data specified in block 12.

14a.

☐ ~~RAC 571.10 (certification après maintenance) - CAR 571.10 Maintenance Release.~~

☐ ~~Autre réglementation précisée à la case 12. - Other regulations specified in block 12.~~

~~Le présent bon de sortie certifie que, sauf indication contraire à la case 12, le travail indiqué à la case 11 et décrit à la case 12, a été effectué conformément au *Règlement de l'aviation canadien*.~~
~~Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the *Canadian Aviation Regulations*.~~

13b. Signature	13c. Numéro de l'organisme agréé Approved Organization Number	14b. Signature	14c. Numéro de l'organisme agréé Approved Organization Number
T.C. 4-58 NO. 022	4-58	S/O – N/A	S/O – N/A
13d. Nom - Name	**13e. Date (dd/mmm/yyyy)**	**14d. Nom - Name**	**14e. Date (dd/mmm/yyyy)**
B. HORVATH	31 JUL 2012	S/O – N/A	S/O – N/A

P&WC 5720 (2011-05) QUALITY SYSTEMS & PROCESS DEVELOPMENT (1530) – QMSP 10-02 *Le monteur doit contre-vérifier l'admissibilité avec les données approuvées - * Installer must cross-check eligibility with approved data -

RESPONSABILITÉS DU MONTEUR - INSTALLER RESPONSIBILITIES

1. Le présent bon de sortie ne constitue pas une autorisation de montage. - 1. This certificate does not constitute authority to install.
2. Le monteur qui travaille conformément à la réglementation d'un pays autre que celui spécifié à la case 1 doit s'assurer que la réglementation en question reconnaît la certification du pays ainsi spécifié. - 2. Installers working in accordance with the national regulations of a country other than specified in block 1 must ensure that their regulations recognize certifications from country specified.
3. Les déclarations des cases 13a et 14a ne constituent pas une certification du montage. Dans tous les cas, le dossier technique de l'aéronef doit inclure une certification de montage délivrée conformément à la réglementation national qui s'applique, avant que l'aéronef puisse voler. - 3. Statements in block 13a and 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

1. Approving Competent Authority / Country	2.	3. Form Tracking Number:
CAA – NL – The Netherlands	**AUTHORISED RELEASE CERTIFICATE EASA FORM 1**	JTCJ170330-2
4. Approved Organisation Name and Address: StandardAero	**STANDARD AERO B.V.** **KRANENBERG 2,** **5047 TR, TILBURG, THE NETHERLANDS**	5. Work Order/Contract/Invoice ST310435

6. Item	7. Description	8. Part No.	9. Qty	10. Serial No.	11. Status/Work
1	PT6A-66B TURBOPROP ENGINE	3072196-01	1	PCE-RW0213	REPAIRED

12. Remarks

Hot section inspection carried out i.a.w ATA 72-00-00 Engine, Turboprop - Inspection Para 10.
Installed repaired hot section kit (ARCST963980&ARCST963982)i.a.w. ATA 72-50-01 Compressor turbine stator-Maintenance practices Para 5.
Installed tested fuel manifold set (ARCST963310) i.a.w ATA 73-11-05 Duplex fuel manifold-Maintenance practices Para 5.
Blend repair carried out on 1st stage compressor rotor i.a.w. ATA 72-30-05 Compressor rotor-Maintenance practices Para 5 and 6.
Corrosion repair carried out i.a.w. 72-20-00 Compressor air inlet-Maintenance practices Para 8A.

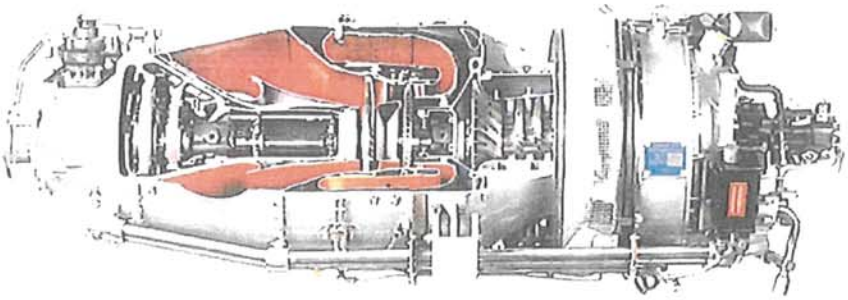
Work performed at the operator's premises on 29 Mar , 2017 at : TSN 1703:53 / CSN 2247 , TSO N/A / CSO N/A.
REF: Rev. ; MM P/N 3036122 (PT6A-66/-66B) Rev. 45.2 (08 FEB, 2017) Customer P/O number : 146354
(Only the work as described in block 12 is performed).
For details see work pack on file at this AMO under number stated in block 5.

13a.. Certifies that the items identified above were manufactured in conformity to:	14a. ☒ **Part-145.A.50 Release to Service** ☐ **Other regulation specified in block 12**
☐ approved design data and are in condition for safe operation ☐ non-approved design data specified in block 12.	Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

13b. Authorized Signature	13c. Approval / Authorisation Number	14b. Authorized Signature	14c. Certificate/Approval Ref. No
		SABV FSR CS-4479	**NL.145.1184**
13d. Name	13e. Date (dd/mmm/yyyy)	14d. Name C.J.G. van Leijsen	14e. Date (dd/mmm/yyyy) 30-MAR-2017

FOR USER / INSTALLER RESPONSIBILTIES, SEE STATEMENT ON THE REVERSE SIDE.

Kranenberg 2
5047 TR Tilburg
PO Box 4197
5004 JD Tilburg
The Netherlands
Phone: +31-(0)13 572 8572
Fax: +31-(0)13 572 8500
www.standardaero.com



PT6A Inspection Report

Task Control Number: ST310435
Shop Order: QF6F2
Purchase Order: 146354

Inspection

Of

Hot Section and GG Module

PCE RW0213 66B

GGM RW0213

Prepared for: Rheinland Air Service.
Attn: Mr. Frank Schmitz

Prepared by: _____
Christ-Jan van Leijsen
Field Service Representative

Reviewed by: _____
Hans van Uden
Field Service Manager

Date: 30 March 2017

Distribution List

Name	Company
Mr. Frank Schmitz	Rheinland Air Service.
Mr. Hans van Uden	StandardAero B.V. Field Service Manager
Mr. Christ-Jan van Leijsen	StandardAero B.V. Field Service Representative

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1. Introduction
2. Engine History
3. Inspection Findings
   3.1 Gas Generator Module
   3.2 Power Section Module
4. Conclusion
5. Pictures

CONTENT IS CONFIDENTIAL AND PROPRIETARY TO STANDARD AERO.
INFORMATION SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF STANDARD AERO.

1. Introduction

The Inspection was carried out in accordance with the:

PT6A-66/-66B Maintenance Manual

P/N: 3036122, Revision: 45.2, FEB 08/2017:

ATA 72-00-00 ENGINE, TURBOPROP-INSPECTION, Par. 10

ATA 72-30-05 COMPRESSOR ROTOR - MAINTENANCE PRACTICES, Par. 5

The results of this Inspection and subsequent performed actions are described in this report.

Inspection performed at the facility of Rheinland Air Service, Mönchengladbach, Germany commissioned by Rheinland Air Service. (Purchase Order No. 146354) on 29 March 2017.

2. Engine History

Engine s/n: PCE RW0213	Power Section Module s/n: PCE RW0213	Gas Generator Module s/n: GGM RW0213
TSN: 1705:53	TSN: 1705:53	TSN: 1705:53
CSN: 2247	CSN: 2247	CSN: 2247
TSO: N/A	TSO: N/A	TSO: N/A
CSO: N/A	CSO: N/A	CSO: N/A

Aircraft Registration: *SP-MXI*

Engine Position: *RH (No. 2 Engine)*

CONTENT IS CONFIDENTIAL AND PROPRIETARY TO STANDARD AERO.
INFORMATION SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF STANDARD AERO.

3. Inspection Findings

3.1 Gas Generator Module

First-Stage Compressor Rotor and Inlet Area:

Blend repair carried out on 1st stage compressor rotor i.a.w. ATA 72-30-05 Compressor rotor-Maintenance practices Para 5 and 6.

Corrosion/Paint repair carried out i.a.w. 72-20-00 Compressor air inlet-Maintenance practices Para 8A. On 6 o'clock position of inlet case)

Combustion Chamber Liner:

No findings and/or observations.

Small Exit Duct:

No findings and/or observations.

CT Stator Assembly:

No findings and/or observations.

CT Blades:

Loose blades found during inspection, re-rivet, grind round and balanced under repair: ARCST963980

CT Shroud Segments:

Due to the loose blades restored tip clearance by replacing shroud segments under repair: ARCST963982.

CONTENT IS CONFIDENTIAL AND PROPRIETARY TO STANDARD AERO.
INFORMATION SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF STANDARD AERO.

3.2 Power Section Module

PT Stator:

No findings and/or observations.

PT Blades:

No findings and/or observations.

4. Conclusion

Hot section inspection carried out i.a.w ATA 72-00-00 Engine, Turboprop - Inspection Para 10.

Installed repaired hot section kit (ARCST963980&ARCST963982)i.a.w. ATA 72-50-01 Compressor turbine stator-Maintenance practices Para 5.

Installed tested fuel manifold set (ARCST963310) i.a.w ATA 73-11-05 Duplex fuel manifold-Maintenance practices Para 5.

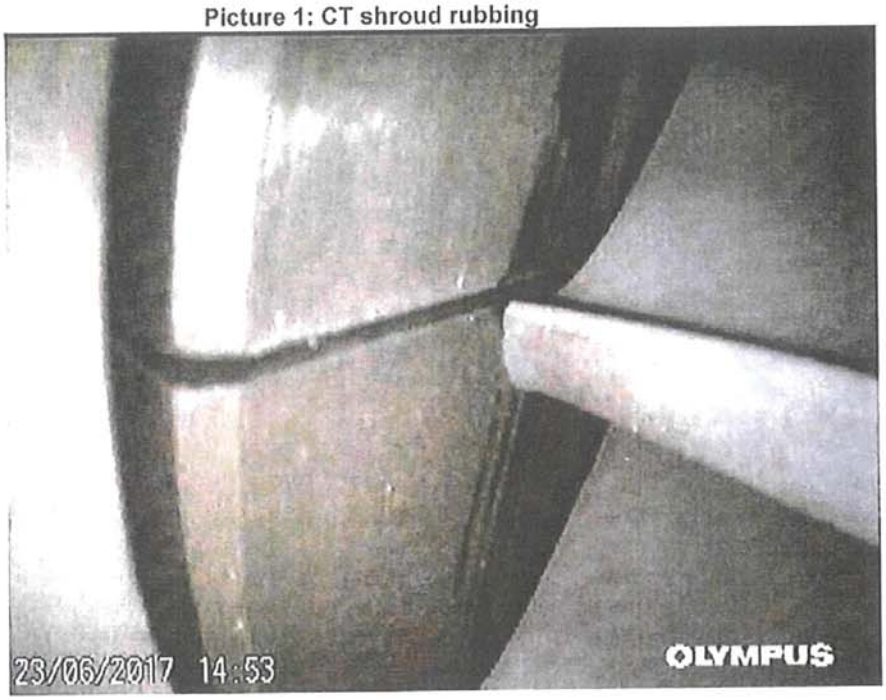
Blend repair carried out on 1st stage compressor rotor i.a.w. ATA 72-30-05 Compressor rotor-Maintenance practices Para 5 and 6.

Corrosion repair carried out i.a.w. 72-20-00 Compressor air inlet-Maintenance practices Para 8A.

CONTENT IS CONFIDENTIAL AND PROPRIETARY TO STANDARD AERO.
INFORMATION SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF STANDARD AERO.

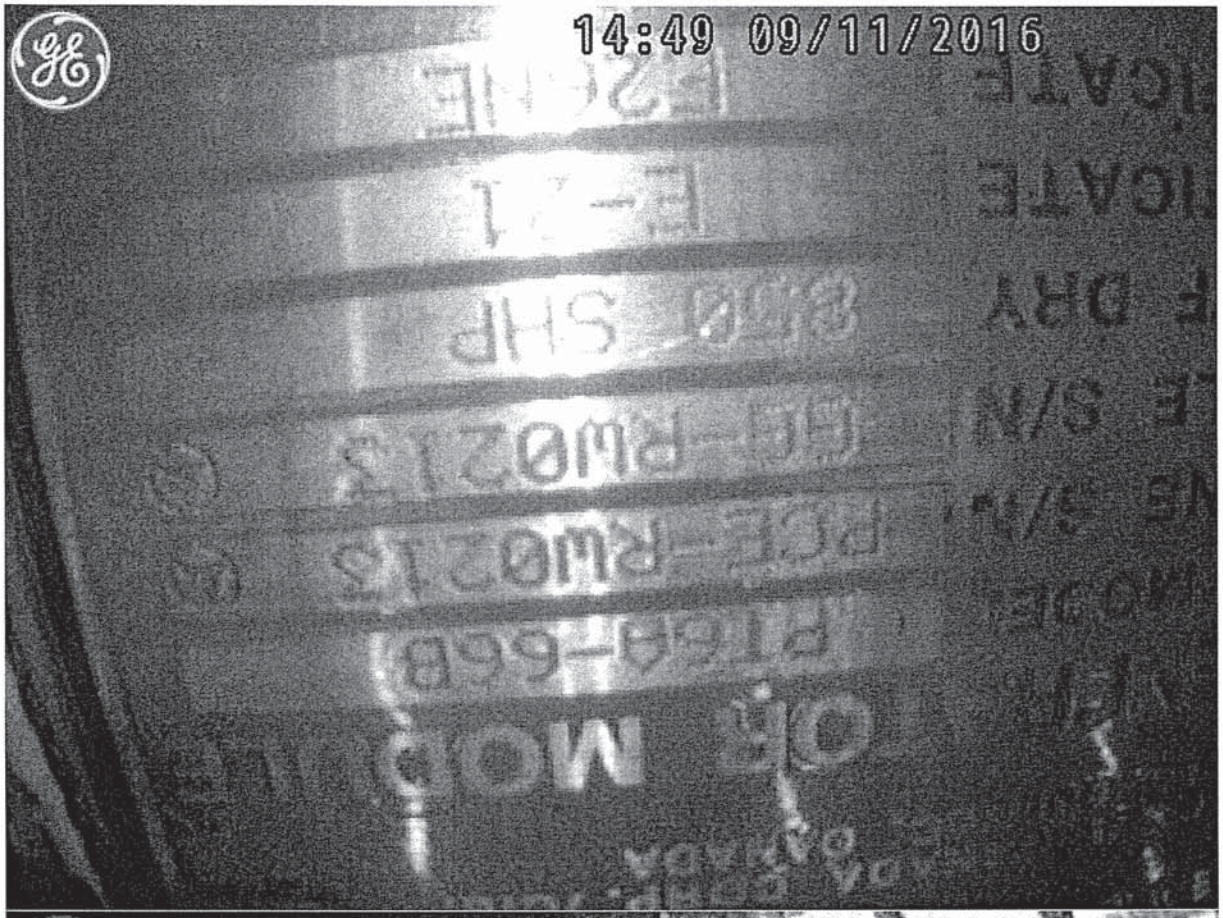
5. Pictures

Picture 1: CT shroud rubbing



Picture 2: CT shroud rubbing

CONTENT IS CONFIDENTIAL AND PROPRIETARY TO STANDARD AERO.
INFORMATION SHALL NOT BE DISCLOSED TO THIRD PARTIES WITHOUT THE WRITTEN CONSENT OF STANDARD AERO.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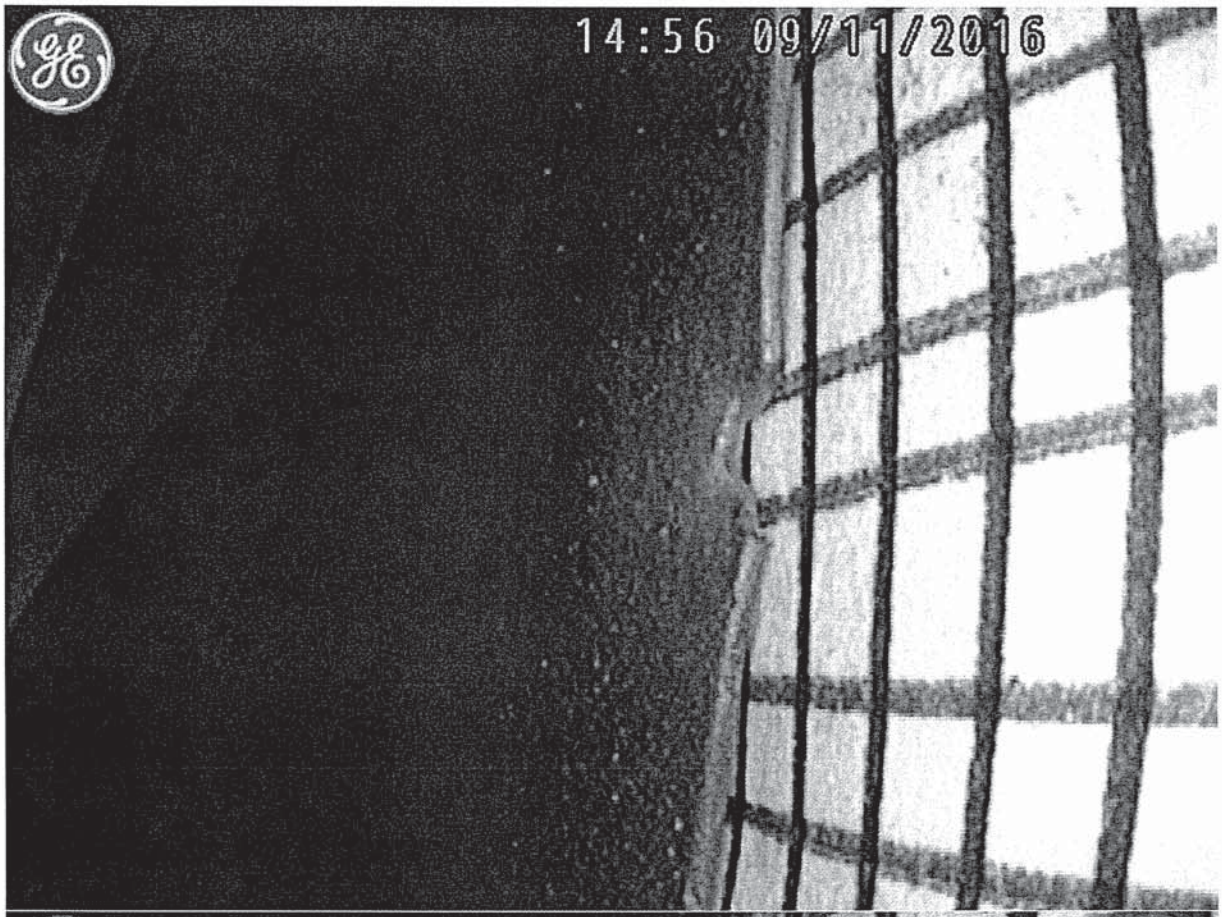
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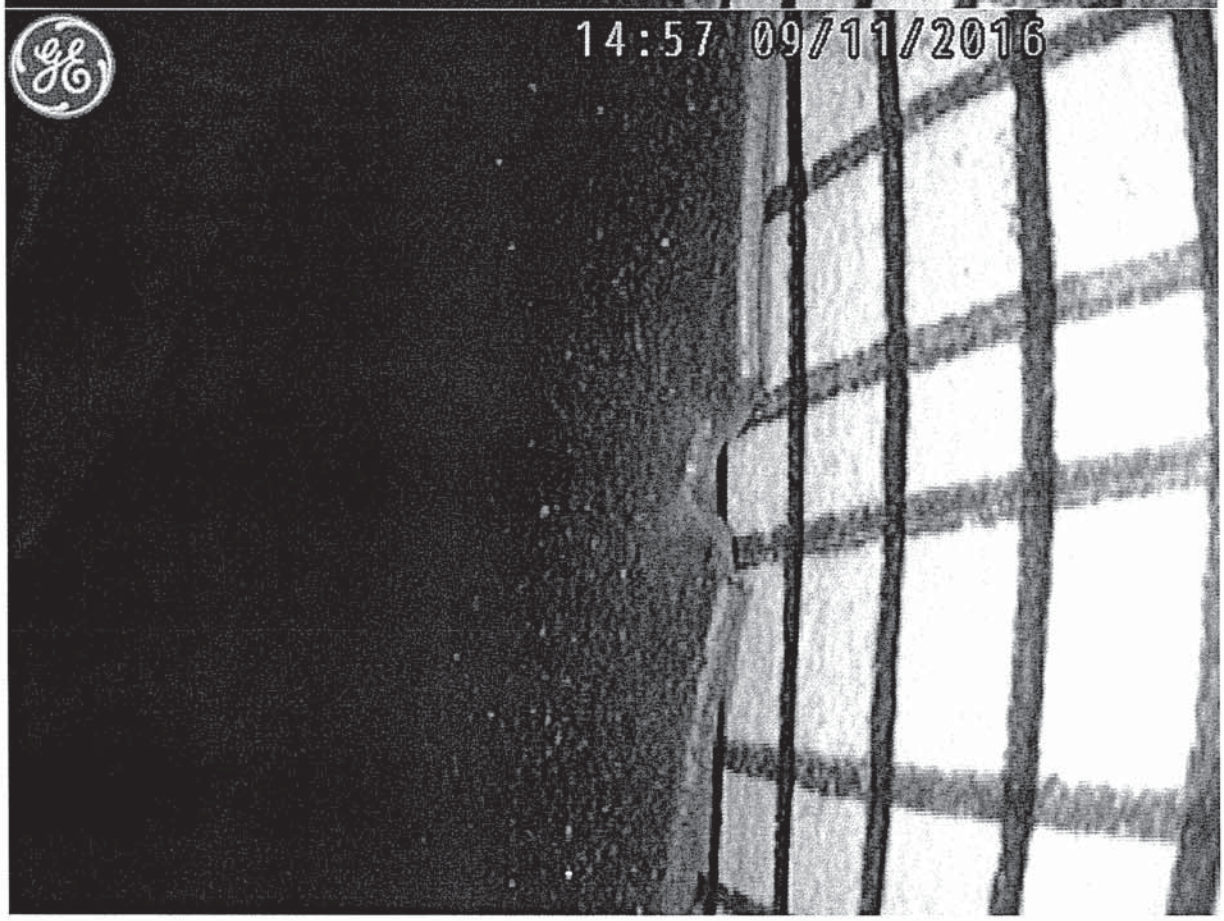
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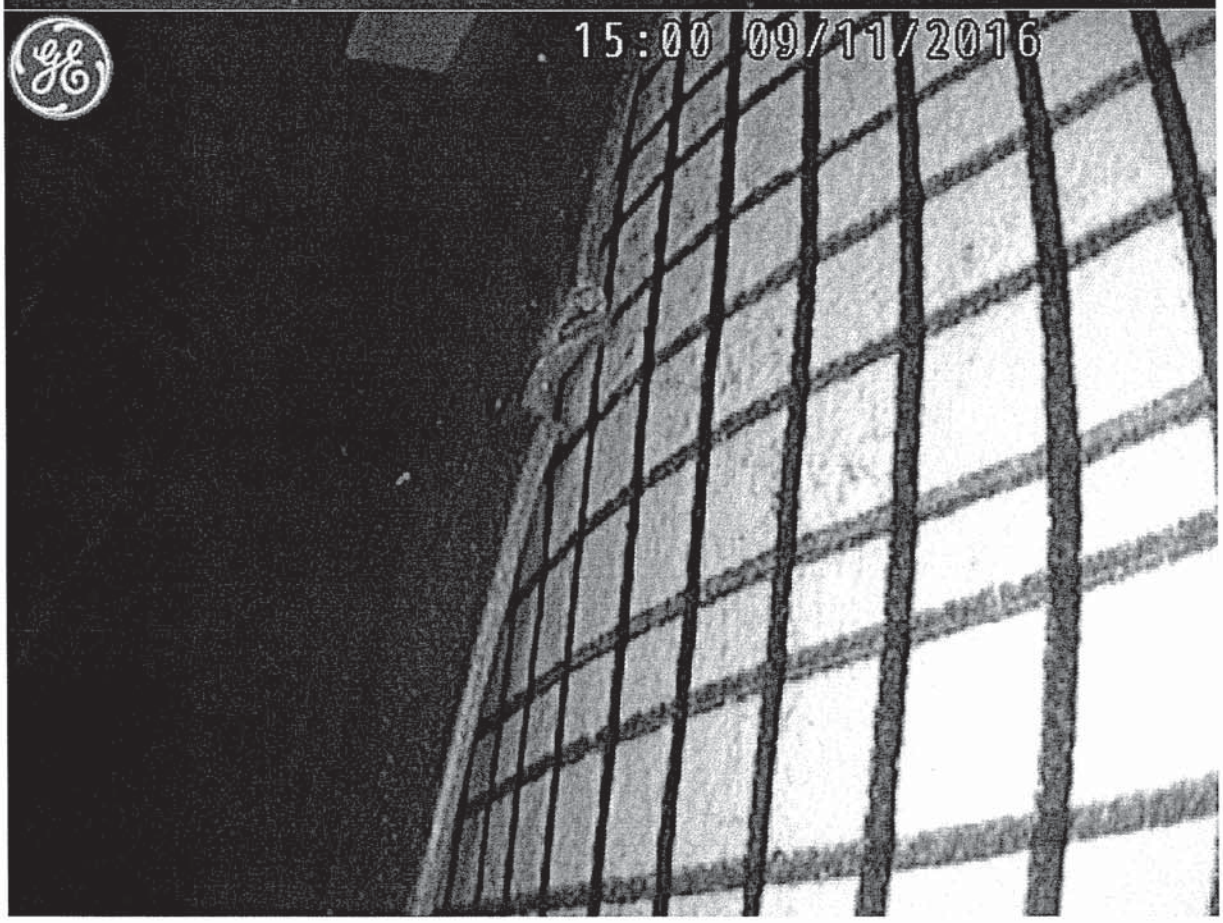
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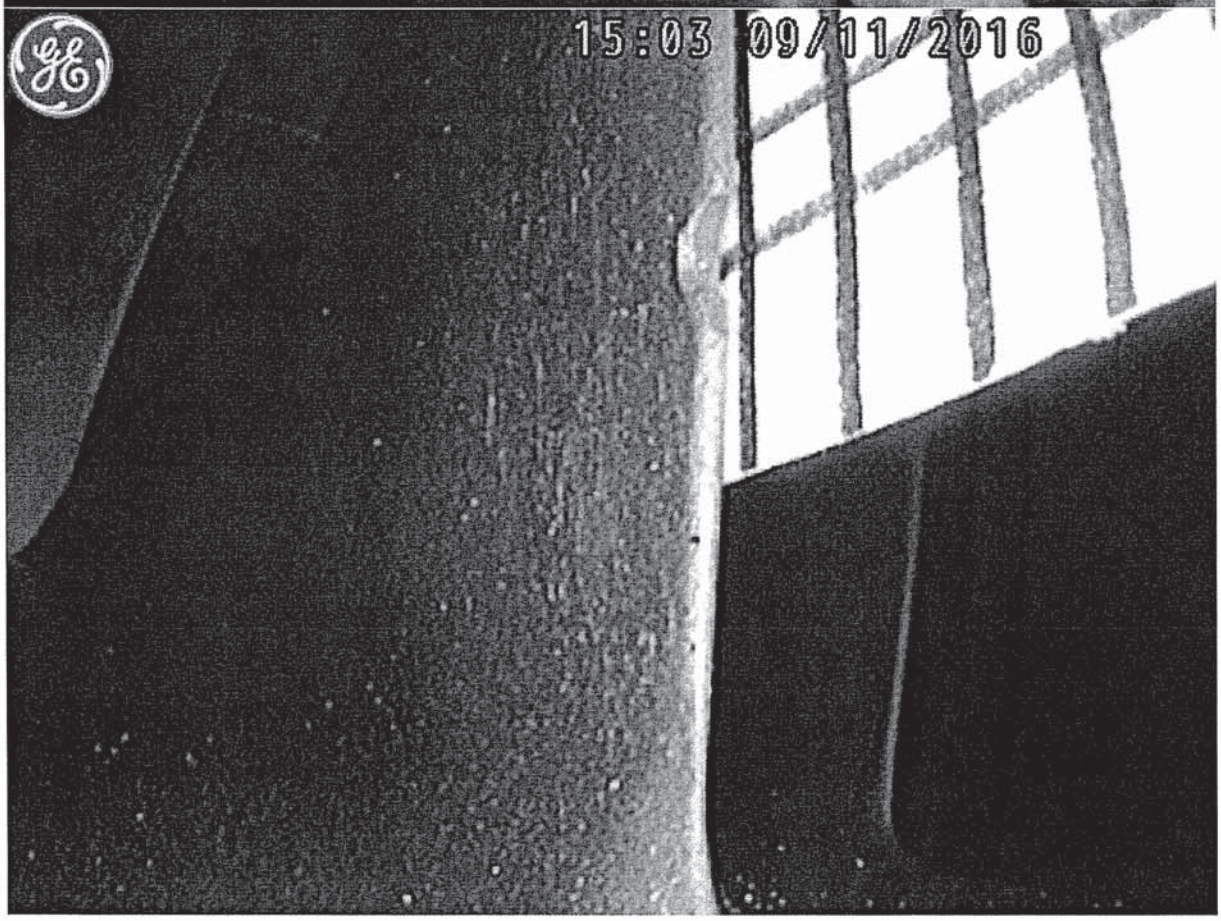
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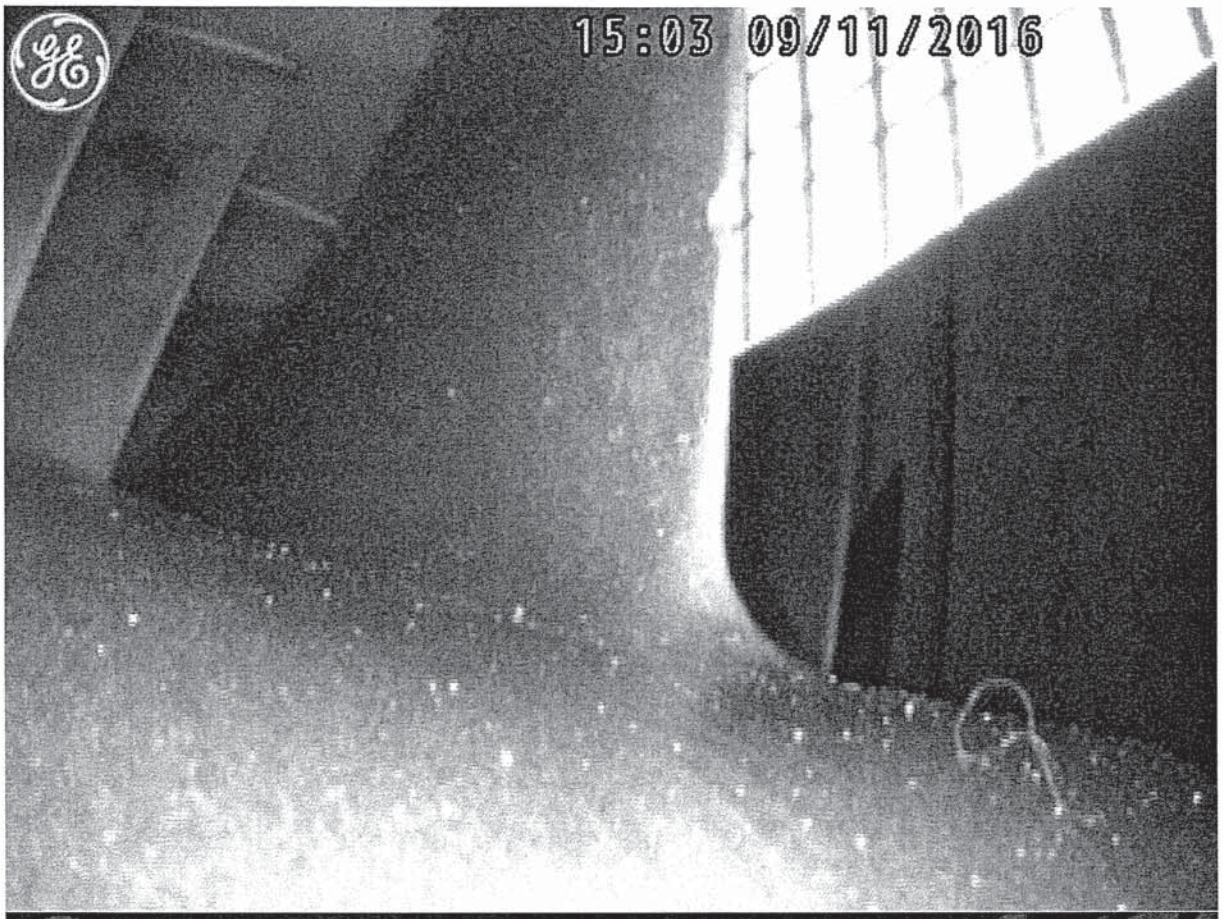
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15:04 09/11/2016

1. Approving National Aviation Authority/Country	2.	3. Form Tracking No.
CAA-NL - The Netherlands	**AUTHORISED RELEASE CERTIFICATE** **EASA Form 1**	ARCST963310

4. Approved Organisation Name and Address	5. Work Order/Contract/Invoice:
StandardAero STANDARD AERO B.V. KRANENBERG 2 5047 TR. .. TILBURG THE NETHERLANDS	ST310435

6. Item	7. Description	8. Part No.	9. Qty	10. Serial No.	11. Status/Work
1	FUEL NOZZLES AND SHEATHS	SEE BLOCK 12	14	SEE BLOCK 12	INSPECTED/TESTED

12. Remarks

Nozzles and sheaths have been inspected and tested.

Ref:P&WC MM P/N 3036122 Rev. 45.

Stock order No. MAN-L4 (PT6A manifold set 4 for PT6A-66A ,66B, 66D, 67P and 68).

Work performed at: TSN Unk / TSO Unk.

Customer PO number: 146354.

P/N. 3119856-01 (S/N. 2BUH0264)

P/N. 3119855-01 (S/N. 2BUD0378, 2BUD0381, 2BUD0383, 2BUD0385, 2BUD0389, 2BUD0390, 2BUD0391, 2BUD0395, 2BUD0399, 2BUD0404, 2BUD0406, 2BUH0474, 2BUH0478).

14x Sheaths P/N. 3119920-01

For details see work pack on file at this AMO under number stated in block 5.

13a. Certifies the items identified above were manufactured in conformity to

- [ ] Approved design data and are in a condition for safe operation.
- [ ] Non-approved design data specified in Block 12.

14a. [X] **Part-145.A.50 Release to Service** [ ] **Other regulation specified in Block 12**

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

13b. Authorised Signature	13c. Approval/Authorisation Number	14b. Authorised Signature	14c. Certificate/Approval Ref. No
		CS 4621	NL.145.1184
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
		MARK TAYEB	24-Oct-2016

FOR USER/INSTALLER RESPONSIBILITIES, SEE STATEMENT ON THE REVERSE SIDE.

Tracked / Serialized Parts Report

StandardAero

TCN: **ST310435** Customer: **RHEINLAND AIR SERVICE WERFT & HANDEL GMBH AG**

P/N: **3037000** Modified to P/N: Customer PO #: **146354**

S/N: **PCE-RW0213** TSN: **N/A** TSO: **N/A** CSN: **N/A** CSO: **N/A**

Part Desc	Position	Part # Removed	SN Removed	Part # Installed	SN Installed	TSN	CSN	TSO	CSO
ADAPTER ASSEMBLY	01	3119855-01	2BUD0383	3119855-01	2BUD0383	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	02	3119855-01	2BUD0390	3119855-01	2BUD0390	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	03	3119855-01	2BUD0399	3119855-01	2BUD0399	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	04	3119855-01	2BUH0474	3119855-01	2BUH0474	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	05	3119855-01	2BUD0385	3119855-01	2BUD0385	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	06	3119855-01	2BUD0391	3119855-01	2BUD0391	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	07	3119855-01	2BUD0404	3119855-01	2BUD0404	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	08	3119856-01	2BUH0264	3119856-01	2BUH0264	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	09	3119855-01	2BUD0406	3119855-01	2BUD0406	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	10	3119855-01	2BUD0395	3119855-01	2BUD0395	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	11	3119855-01	2BUH0478	3119855-01	2BUH0478	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	12	3119855-01	2BUD0389	3119855-01	2BUD0389	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	13	3119855-01	2BUD0381	3119855-01	2BUD0381	N/A	N/A	N/A	N/A
ADAPTER ASSEMBLY	14	3119855-01	2BUD0378	3119855-01	2BUD0378	N/A	N/A	N/A	N/A

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KRANENBERG 2 5047 TR TILBURG
PO BOX 4197, 5004 JD TILBURG
TILBURG
THE NETHERLANDS

EASA.NL.145.1184
FAA UVHY 977 L

Signature/Date SABV FSR CS-4781 25-Oct-2016

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Date Printed: October 25, 2016 10:01:03 AM

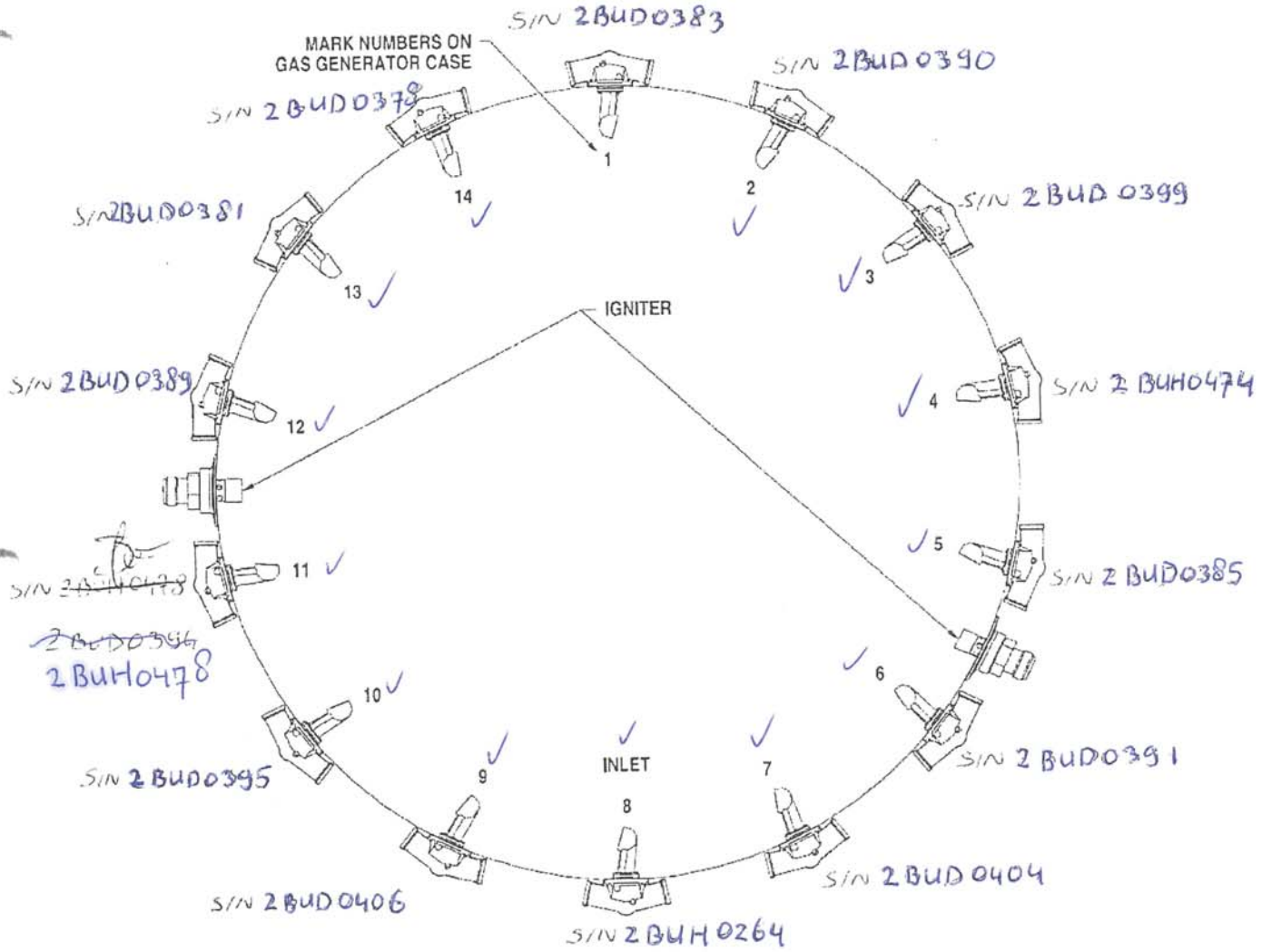
73-11-05 DUPLEX FUEL MANIFOLD - MAINTENANCE PRACTICES

PRATT & WHITNEY CANADA
MAINTENANCE MANUAL
MODEL(S) PT6A-66/PT6A-66B
Manual Part No. 3036122, Revision No. 45.0, Dated MAR 07/2016

6. Fuel Transfer Tube
7. Preformed Packing
8. Sheath
9. Locating Pin
10. Keywasher
11. Nozzle Tip Assembly
12. Metal O-Ring
13. Strainer Element (Post-SB14067 and PT6A-66B)
14. Preformed Packing (Post-SB14067 and PT6A-66B)
15. Gasket (Post-SB14067 and PT6A-66B)
*16. Nozzle Tip Body (Post-SB14067 and PT6A-66B)
*17. Cone (Post-SB14067 and PT6A-66B)
*18. Distributor (Post-SB14067 and PT6A-66B)
* Part of Nozzle Tip Assembly

Fuel Nozzles op dezelfde plek terugzetten

RH ENGINE



AS VIEWED FROM REAR OF ENGINE

FLOW DIVIDER S/N 995925623

TECH R. Czupryński PL.145.022 25.05.2016

TUL 67 W. Sawicki PL.145.022 25.05.2016

1. Approving National Aviation Authority/Country	2.	3. Form Tracking No.
CAA-NL - The Netherlands	**AUTHORISED RELEASE CERTIFICATE** **EASA Form 1**	ARCST963982

4. Approved Organisation Name and Address

StandardAero

STANDARD AERO B.V.
KRANENBERG 2
5047 TR. .. TILBURG THE NETHERLANDS

5. Work Order/Contract/Invoice: ST310435

6. Item	7. Description	8. Part No.	9. Qty	10. Serial No.	11. Status/Work
1	PT6A-66B HOT SECTION KIT	SEE ANNEX	1	SEE ANNEX	REPAIRED

12. Remarks

The items described on the annex of this EASA Form 1 have been inspected and repaired.
Installed CT vane P/N 3040931CL07, S/N PDAH243F01 with flow class CL 7.22.
Installed new shrouds segments and ground inside diameter to 9.573"
to give a calculated tip clearance of 0.019"

Work performed is limited to the items described on annex ARCST963982.

Customer PO number: 146354.

Parts have have been removed from engine PC-E RW0213 at:
TSN 1705:53 / CSN 2247, TSO N/A / CSO N/A.

Ref: P&WC OHM P/N 3036123 Rev. 34 and MM P/N 3036122 Rev. 45.

For details see work pack on file at this AMO under number stated in block 5.

13a. Certifies the items identified above were manufactured in conformity to

- [ ] Approved design data and are in a condition for safe operation.
- [ ] Non-approved design data specified in Block 12.

14a. [X] **Part-145.A.50 Release to Service** [ ] **Other regulation specified in Block 12**

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

13b. Authorised Signature	13c. Approval/Authorisation Number	14b. Authorised Signature	14c. Certificate/Approval Ref. No
		CS 4621	NL.145.1184
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
		MARK TAYEB	26-Oct-2016

FOR USER/INSTALLER RESPONSIBILITIES, SEE STATEMENT ON THE REVERSE SIDE.

1. Approving National Aviation Authority/Country	2.	3. Form Tracking No.
CAA-NL - The Netherlands	**AUTHORISED RELEASE CERTIFICATE** **EASA Form 1**	ARCST1028322

4. Approved Organisation Name and Address	5. Work Order/Contract/Invoice:
StandardAero STANDARD AERO B.V. KRANENBERG 2 5047 TR. .. TILBURG THE NETHERLANDS	ST310435

6. Item	7. Description	8. Part No.	9. Qty	10. Serial No.	11. Status/Work
1	DISC BALANCING ASSEMBLY, COMPRESSOR TURBINE	3053975-01	1	YUAA011A446	REPAIRED

12. Remarks

"This Certificate corrects the errors in blocks 10 and 12 of the Certificate ARCST963980 dated 26-Oct-2016 and does not cover conformity/condition/release to service"

- Block 10 and 12 changed serial number

Customer PO number: 146354.

Additional Comments:

CT Disc detail P/N 3053740-01 S/N YUAA011A446.

For details see work pack on file at this AMO under number stated in block 5.

13a. Certifies the items identified above were manufactured in conformity to

- [ ] Approved design data and are in a condition for safe operation.
- [ ] Non-approved design data specified in Block 12.

14a. [X] Part-145.A.50 Release to Service [ ] Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

13b. Authorised Signature	13c. Approval/Authorisation Number	14b. Authorised Signature	14c. Certificate/Approval Ref. No
		CS 4474	NL.145.1184
13d. Name	**13e. Date (dd/mmm/yyyy)**	**14d. Name**	**14e. Date (dd/mmm/yyyy)**
		CORNE AARTS	30-Jun-2017

FOR USER/INSTALLER RESPONSIBILITIES, SEE STATEMENT ON THE REVERSE SIDE.

StandardAero

LIFE LIMITED PT6A COMPONENT RECORD, AS INSTALLED

CUSTOMER: Rheinland Air Service	**ENG TYPE: PT6A-66B**
A/C TYPE: Piaggio P-180 Avanti	**ENG S/N:** PC-E RW0213
A/C REG: SP-MXI	**ENG TSN:** 1705:53
DATE: 26 October 2016	**ENG TSO:** N/A
T.C.N: ST310435	**ENG CSN:** 2247
JOB DESC: Hot Section Inspection	**ENG CSO:** N/A

MANUAL P/N:3036123 Rev. 34 / 3036122 Rev. 45.	**REF: Overhaul manual / Maintenance Manual**
SB ROTOR COMPONENTS – SERVICE LIFE: SB14002 Rev 23	**TBO of engine per SB14603 Rev. 26: 3600hrs**

ITEM	**CT Disk**
P/N	3053740-01
S/N	YUAA011A446
Cycle Limit	8000
FCF	1
Abbr. Cycle Factor	10
No. of Starts	2247
No. of flights/CSN	2247
Accum. Cycles	2247
Remain. Cycles	5753
Remain. flights	5753

CHECKED BY CERTIFYING STAFF:
NAME CERTIFYING STAFF: Mark Tayeb

STAMP: CS 4621 DATE: 26 October 2016

• EASA Part 145 – NL.145.1184 • FAR 145 CRS Nr UVHY977L

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F7.5.53
(Rev 32 26-Oct-2010)
EASA.NL.145.1184
FAA UVHY 977 L

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Modification List

TCN: **ST310435** Customer: **RHEINLAND AIR SERVICE WERFT & HANDEL GMBH**

Part #: **3037000** Serial#: **PCE-RW0213**

Modified to Part #: Model:

AIRWORTHINESS DIRECTIVES / MODIFICATIONS EMBODIED

SB14002	R23	ROTOR COMPONENTS - SERVICE LIFE

AIRWORTHINESS DIRECTIVES / MODIFICATIONS FOUND EMBODIED

SB14142

STANDARD AERO BV
KRANENBERG 2 5047 TR TILBURG
PO BOX 4197, 5004 JD TILBURG
TILBURG

Authorized Signatory

CS 4621

26 OKT 2016

M.A.M. Tayeb

ENG018v

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ANNEX TO AUTHORISED RELEASE CERTIFICATE

With EASA form 1 tracking number: ARCST963982

Hot Section Kit consists of the following:

QTY	Description	P/N	S/N	Work carried out this visit
1	CT Vane	3040931CL07	PDAH243F01	Inspected / Flow class 7.22
10	Shrouds Segments	3039465CL14	N/A	New / repaired
1	Small exit duct	3123302-01	RWA79D201	Inspected
1	Cover	3053167-01	N/A	Inspected
1	Shroud Housing	3118089-01	N/A	Inspected
1	Flange	3053160-01	N/A	Inspected
1	Ring	3123386-01	N/A	Inspected
1	Ring	3057818-01	N/A	Inspected
5	Bolt	3102933-02	N/A	Inspected
16	Bolt	AS3303-10	N/A	Inspected
1	Plate	3024831	N/A	Inspected
14	Plate	3011158	N/A	Inspected
1	Inner Liner Assy	3116790-01	RWAD010	Inspected
25	Tube	3011155	N/A	Inspected
1	Seal	3058347CL08	N/A	Inspected
1	Outer Liner Assembly	3055663-01	FTA663A0078	Inspected
1	Bolt	3111764-01	N/A	Inspected
1	Igniter	3035102	N/A	Inspected
14	Bolt	MS9696-06	N/A	Inspected
4	Bolt	MS9574-06	N/A	Inspected
28	Bolt	MS9574-04	N/A	Inspected
8	Bolt	MS9489-08	N/A	Inspected
47	Bolt	ST3502-09	N/A	Inspected
1	Flow Divider	3038472	9959525623	Inspected
52	Nut	3012414	N/A	Inspected
1	Terminal Assembly	3108068-01	N/A	Inspected
5	Washer	3001564	N/A	Inspected

Authorised Signature:

CS 4621

STANDARD AERO BV
EASA-145 Approval
NL.145.1184

Name: Mark Tayeb

Date: 26 October 2016

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