

1. Autorité de Transport Canada Approving ation Authority/Country		2. BON DE SORTIE AUTORISÉE - AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Numéro de suivi du formulaire - Form Trackir SEE BLOCK 5	
4. Nom et adresse de l'organisme - Organization Name and Address Pratt & Whitney Canada Une société de United Technologies/A United Technologies Company		Pratt & Whitney Canada Cie ./ Pratt & Whitney Canada Corp. 4045 – 26 AVE. North Lethbridge, Alberta, Canada T1H 6G2		5. Bon de travail/Contrat/Facture – Work Order/Contract/Invoice 4000903741	
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-66D TURBOPROP GAS TURBINE ENGINE	3071016-01 – BS1198	1	PCE-RV0327 Includes PS-RV0327	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 T.C. 4-58 NO. 022		13c. Numéro de l'organisme agréé Approved Organization Number 4-58		14b. Signature S/O – N/A	
13d. Nom - Name B. HORVATH		13e. Date (dd/mm/yy) 07 MAY 2013		14d. Nom - Name S/O – N/A	
14e. Date (dd/mm/yy) S/O – N/A		14c. Numéro de l'organisme agréé Approved Organization Number S/O – N/A		14f. Date (dd/mm/yy) 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 nationale 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.

Index of Engine Documentation

Engine Number: PCE-RV0327

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.

PT6A-66D S/N:PCE-RV0327 FINAL ACCEPTANCE TEST RECORD

2013 MAY 06 TEST CELL : 3202 BUILD SPEC.: 1198

ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH E&TI : 744

FINAL VANE FLOW AREAS FIRST STAGE : 21513 3S9 7.19

SECOND STAGE : 04166 5S1 23.19

PERFORMANCE DATA

PERF. ACCEPTANCE AIRFRAME LIMIT

SPEC ACTUAL SPEC ACTUAL

PROP SPEED		2000.	2000.	2000.
S.L.S. STD.DAY POWER		950.	950.	700.
I.T.T. (T5A TRIMMED)	DEG R	1691.	1687.	1625.
T5D (DERIVED)	DEG R	1750.	1710.	1640.
GAS GEN. SPEED	RPM	35150	34950.	34150.
SFC @ 18400 BTU/LB LB/SHP.HR		0.641	0.637	0.737

PRESSURE RATIO @ 34800 RPM 8.30 8.20

FUEL TYPE : CPW 204

TEST LHV : 18511. BTU/LB

S.G. : 0.817 @ 68. DEG F

OIL TYPE : PWA 521 TYPE II

OIL CONSUMPTION : 0.0 LB/HR

T.O. OIL PRESSURE : 118.5 PSI

OIL TEMPERATURE : 148.9 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 19.0 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 10.6 DEG C

I.T.T. TRIM CLASS : 17

TRIM RESISTANCE : 81.0 OHMS

COLD HARNESS RESISTANCE : 1.48 OHMS

BOV SEAT CLASS AS SHIPPED : 16

B.O.V. SEAT CLASS AS TESTED : 13

HANDLING AND CONTROL SETTINGS

TRIMMED MAX NG : N/A RPM

UNTRIMMED MAX NG : 39000 RPM

DATA PLATE SPEED : 34650. RPM

IDLE SPEED : 21403 RPM

ACCEL. TIME F.I. TO MAX @ T1 : 2.52 SECS @ 62.6 DEGF

ENGINE DRY WEIGHT : 448.6 LBS.

PRODUCTION SIGNATURE : *D. Gonzalez*INSPECTION SIGNATURE : *R. C BRISCOE*

GOVERNMENT INSPECTOR : _____

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

DATE 07 MAY 2013 FOREMAN, ASSY.&TEST INSP :

R. WEISTRA

TC 459
INC 123

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. /
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1000, Main Street
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P&WC JR3-6830-E (2012-10)

Page 1

Modèle Model		PT6A-66D	N° de série Serial No.	PCE-RV0327		Caract. de montage Build Spec NO.		BS1198
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	PKAAA498411 PKAAA498412 PKAAA498414 PKAAA498418 PKAAA498433					
3012286		COUPLING SHAFT FLEX 2ND STAGE RED'N	PKAAA487752					
3023250		GEAR-SUN,2STG RDCN,46 TEETH	PKAAA501843					
3023252		ADAPTER-SPLINED,FIRST STAGE CARRIER	PKAAA495049					
3023670		FLOW DIVIDER AND DUMP VALVE	M0085					
3027977		CARRIER-SECOND STAGE REDUCTION	PKAAA490380					
3028007		BEARING-ROLLER FLANGED	BB0161568					
3028683		GEAR-RING,SECOND STAGE REDUCTION	PKAAA499193					
3029022		HOUSING ASSY-PROP RED GBOX,FRONT	RWA03E915					
3032083		VALVE-SOLENOID	ARK1306T					
3035889		EXCITER-IGNITION	NNA13070187					
3036898		IMPELLER-CENTRIFUGAL	TXA1C9121	ZAEIK	015			
3037312		DISC-TURBINE, POWER	A003ACYT	LAYAR	8048			
3037313		DISC-TURBINE, POWER	A0038D0E	LAJUB	7209			
3040760		PUMP-FUEL	012309					
3040931CL07		COMPRESSOR-TURBINE STATOR,ASSY OF	PDAH5KNY01					
3040933		ROTOR-COMPRESSOR	EAAD000A842	KAXKF	206			
3040942		ROTOR-COMPRESSOR	TXA1C8557	KAXKF	267			
3040944		ROTOR-COMPRESSOR	EAAD000A592	EPPCA	22			
3040982CL01		VANE RING-POWER TURBINE	HMKHE01					
3041163		VANE RING-TURBINE 3RD STAGE	PDAKDTBK01					
3042701		ROTOR-COMPRESSOR	EAAC000W248	EPNEC	110			
3043063		SHAFT-STUB,COMPRESSOR ROTOR	PKAAA487919	EPNYK	22			
3043705-01		HOUSING-POWER TURBINE STATOR	EDA01264B	SXDAG				
3043825-01		WIRING HARNESS-THERMOCOUPLE	NRA002458					
3043919-01		DUCT-TURBINE EXHAUST,ASYO	RWA05E533					
3048695-01		SHAFT-PROPELLER	EAAD000B202	KAXHX				
3053740-01		DISC-TURBINE, COMPRESSOR	YUAA014A395	EPNPY	86			
3055663-01		LINER-COMB CHMBR,OUTER,ASYO	FTA663A0166					
3055731-01		TORQUE-LIMITER	C35573					
3056693-01		BLADE-POWER TURBINE(MACHINING)	RW92B030 RW92B033 RW92B052 RW92B152					

Cont'd

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



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

Modèle Model		PT6A-66D	N° de série Serial No.		PCE-RV0327		Caract. de montage Build Spec NO.		BS1198	
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.	
				RW92B153						
				RW92B161						
				RW92B696						
				RW92B699						
				RW92B710						
				RW92B716						
				RW92B719						
				RW92B757						
				RW92B765						
				RW94B475						
				RW94B530						
				RW94B540						
				RW94B756						
				RW94B760						
				RW94B769						
				RW94B770						
				RW94B801						
				RW94B804						
				RW94B816						
				RW94B848						
				RW94B849						
				RW94B861						
				RW94B892						
				RW94B902						
				RW94B973						
				RW95B010						
				RW95B048						
				RW95B078						
				RW95B121						
				RW95B127						
				RW95B130						
				RW95B131						
				RW96B581						
				RW96B604						
				RW96B613						
				RW96B615						
				RW96B631						
				RW96B661						

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



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

Modèle Model	PT6A-66D	N° de série Serial No.	PCE-RV0327		Caract. de montage Build Spec NO.	BS1198
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.
3057249-01	HEATER-OIL TO FUEL	RW96B668				
3059835-01	VALVE-COMPRESSOR BLEED, ASSY	WA46580				
3059924-01	GEAR-PLANET,1ST STAGE REDUCTION	AHX1000331				
		PKAAA498153				
		PKAAA498157				
		PKAAA498178				
3059927-01	GEAR RING,FIRST STAGE REDUCTION	PKAAA492416				
3059928-01	GEAR-SUN,FIRST STAGE RCDN,ASSY OF	PKAAA491764				
3070217-01	GEARSHAFT-STARTER GENERATOR DRIVE	PKAAA488745				
3070673-01	HOUSING-POWER TURBINE SHAFT,ASSY OF	LPA000012725				
3072721-01	BEARING-BALL,2.9528X5.1181X.9843	BB0161427				
3072789-01	BEARING-BALL,FLANGED	FDB12632				
3073900-01	BEARING-RLR,FLG 1.5748X2.6772X.5906	AEB0160984				
		AEB0160990				
3074158-01	GOVERNOR-PROPELLER	18634716				
3101419-01	CARRIER-FIRST STAGE REDUCTION	PKAAA498146				
3107525-01	COUPLING-POWER,TURBINE	PKAAA493784	EPNPM			
3109239-01	BUS BAR-NEGATIVE TERMINAL,T5	NR11236				
3109240-01	BUS BAR-POSITIVE TERMINAL,T5	NR11234				
3109251-01	SHAFT-POWER,TURBINE	RWA00E764	KAXFK			
3112368-01	BEARING-ROLLER FLANGED,.94X1.65X.47	FAA1303504				
		FAA1303518				
		FAA1303521				
		FAA1303522				
		FAA1303539				
		FAA1303543				
		FAA1303553				
		FAA1303554				
		FAA1303555				
		FAA1303556				
		FAA1303577				
		FAA1303597				
3112612-01	COUPLING-COMPRESSOR,REAR HUB	PKAAA470955				
3113589-01	BEARING-BALL,1.450X3.600X1.000	FAA1304250				
3113744-01	COUPLING-POWER TURBINE SHAFT	PKAAA489980				
3116790-01	LINER-COMB CHMBR INNER,ASYO	RWA06E889				
3118911-01	BLADE-TURBINE, 1ST STAGE	PM6002B				
		PM6010B				

Cont'd

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



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

Modèle ModelPT6A-66D		N° de série Serial No.PCE-RV0327			Caract. de montage Build Spec NO.BS1198	
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.
		PM6014B PM6024B PM6026B PM6034B PM6037B PM6060B PM6064B PM6070B PM6082B PM6089B PM6090B PM6092B PM6096B PM6114B PM6155B PM6161B PM6194B PM6197B PM6224B PM6242B PM6273B PM6280B PM6285B PM6297B PM6298B PM6307B PM6309B PM6316B PM6319B PM8984A PM8987A PM8990A PM8996A PM8999A PMM0162 PMM0166 PMM0182 PMM0184				

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



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

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Modèle Model		N° de série Serial No.		Caract. de montage Build Spec NO.		
PT6A-66D		PCE-RV0327		BS1198		
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.
3120023-08 3120663-01 3123229-01	FUEL CONTROL-TURBOPROP SHAFT-STUB-COMPRESSOR-ROTOR CASE ASYO-GAS GENERATOR	PMM0200 PMM0702 PMM0851 18704681 RWA01E121 RWA06E851	EPPAP			

Approuvé par
Approved By

B. HORVATH



T.C. A-58
NO. 022

Date

2013.05.07

J 2013-05-07 02:16:50 R3 2013-05-07 02:16:50 PR1 400 BP34963 /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



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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		ZAEIK		2013.05.07	
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	
3036898	TXA1C9121	015	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.

[illegible]

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.

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



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Désignation du matériel Material Name		Code de traitement thermique Heat Code		Emis le (A-M-J) Issue Date (Y-M-D)	
DISC-TURBINE, POWER		LAYAR		2013.05.07	
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	A003ACYT	8048	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
---	---

[illegible]

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



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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		LAJUB		2013.05.07	
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	
3037313	A0038D0E	7209	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.

[illegible]

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.

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



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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.

[illegible]

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



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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		KAXKF		2013.05.07	
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	TXA1C8557	267	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.

[illegible]

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.

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



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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		EPPCA		2013.05.07	
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	EAAD000A592	22	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.

[illegible]

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



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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		2013.05.07	
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	EAAC000W248	110	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.

[illegible]

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		EPNYK		2013.05.07	
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	
3043063	PKAAA487919	22	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.

[illegible]

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.

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)	
DISC-TURBINE, COMPRESSOR		EPNPY		2013.05.07	
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	YUAA014A395	86	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.

[illegible]

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

GAS GENERATOR MODULE LOG BOOK

TC-1001185



05/2005

Canada

Volume #: 1

Opened on: 07 MAY 2013

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 21 PT6A- 66D B/S: 1198

3. Serial Number PCE- RV0327

[illegible]

le 10/07/13 au total de 4425

Visa du Département Qualité

Haas



[illegible]



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

POWER SECTION MODULE LOG BOOK

TC-1001185



05/2005

Canada

Volume #: _____

Opened on: 07 MAY 2013

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 21 PT6A- 66D B/S: 1198

3. Serial Number PS- RV0327

[illegible]

The New AVEX, Inc.

C.R.S. X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney pta6a-66d S/N PCE-RV0327 N850FP

Work Order: 10488 TTSN: Date: 9/3/2013

Tach: Hobbs: 53.2 TCSN: TSO: CSO:

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Blades appear normal for time in service.

2. Performed visual inspection of the second stage PT blades through the exhaust duct for the following one ITT exceedance recorded on the G-1000 ITT 898° C for 10 seconds dated 24 July 2013 I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects found at this time.
3. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 10488.

Byron D. Juy 9/3/13
Date

(LBID:9816)

For: FAA Approved Repair Station # X1IR595Y

The New AVEX, Inc.

C.R.S. X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney pta6a-66d S/N PCE-RV0327 N850FP

Work Order: 10567 TTSN: 69.3 Date: 9/20/2013

Tach: Hobbs: 68.7 TCSN: 48 TSO: CSO:

Performed visual inspection of the second stage PT blades through the exhaust duct for the following one ITT exceedance recorded on the G-1000 ITT 908° C for 16 seconds dated 18 Sept 2013 I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects found at this time.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 10567.

Byron D. Nguyen 9/20/13
Date

(LBID:9866)

For: FAA Approved Repair Station # X1IR595Y

The New AVEX, Inc.

C.R.S. X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney pta6a-66d S/N PCE-RV0327 N850FP

Work Order: 10683 TTSN: 104.2 Date: 11/18/2013

Hobbs: 104.2 TCSN: 58 TSO: CSO:

Complied with First 100 Hour Inspection I.A.W. Socata MM Chapter 05-20-01, 05-20-05, and Pratt and Whitney PT6A-66D MM. All AD's checked through Revision 2013-22; see AD compliance record provided with the airframe logbook.

2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. The blades appear normal for time in service.
3. Complied with Pratt and Whitney SB 14473 by the in-situ inspection of the torque limiter pivot spring installation for looseness I.A.W. Pratt and Whitney SB 14473. No defects found.
4. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drain line to the EPA can is missing.
5. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
6. Oil sample sent to Aviation Laboratories for analysis.
7. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 10683.

Byron D. Juez 11/18/13
Date

(LBID:10023)

For: FAA Approved Repair Station # X1IR595Y

The New AVEX, Inc.

C.R.S. X1IR595Y

Page 2 of 2

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0327 N850FP

Work Order: 10993 TTSN: 215.0 Date: 5/22/2014

Tach: Hobbs: 215.0 TCSN: 131 TSO: CSO:

—craft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with
—rent Federal Aviation Regulations and has been found to be in an airworthy condition for scope of
work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work
Order No. 10993.

Byron D. Aug 5/22/14
Date

(LBID:10428)

For: FAA Approved Repair Station # X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	10993	TTSN: 215.0	Date: 5/22/2014
Tach:	Hobbs: 215.0	TCSN: 131	TSO: CSO:

- Complied with a "A" inspection plus annual I.A.W. Socata MM Chapter 05-20-02, 05-20-05, and Pratt and Whitney PT6A-66D MM. All AD's checked through revision 2014-08; see AD compliance record provided with the airframe logbook.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. The blades have very minor nicks in the root area that require blending I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
 3. Complied with Pratt and Whitney SB 14474R1 by inspection of the engine oil condition for carbon particles (oil discoloration) I.A.W. Pratt and Whitney SB 14474R1. Oil color found to match that of Sample 3 from Figure 1 of Pratt and Whitney SB 14474R1.
 3. Blended first stage compressor blade roots I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
 4. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found the drain area looks clean and there is no drain tube to the EPA can.
 5. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
 6. Oil sample sent to Aviation Laboratories for analysis.
 7. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0327 N850FP

Work Order: 10993 TTSN: 215.0 Date: 5/22/2014

Tach: Hobbs: 215.0 TCSN: 131 TSO: CSO:

craft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with
rent Federal Aviation Regulations and has been found to be in an airworthy condition for scope of
work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work
Order No. 10993.

Byron D. Aug 5/22/14
Date

(LBID:10428)

For: FAA Approved Repair Station # X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D

S/N PCE-RV0327

N850FP

Work Order: 11466

TTSN:

418.3

Date: 3/13/2015

Tach:

Hobbs: 418.3

TCSN: 246

TSO:

CSO:

1. Complied with a "B" inspection plus annual I.A.W. Socata MM Chapter 05-20-03, 05-20-05, and Pratt and Whitney MM. All AD's checked through revision 2015 - 04; see AD compliance record provided with the airframe logbook.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Blades appear normal for time in service.
3. P&W SB's 14357R4 and 14495, check of fuel nozzle tips, were complied with by Dallas Airmotive APO 7850, as verified on their Form 8130-3 for fuel nozzle work done this visit.
4. Complied with the 400 hour cleaning and flow check of the engine fuel nozzles per Dallas Airmotive APO 7850. Installed the aircraft fuel nozzles after cleaning and flow check I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.
5. Complied with the 400 hour borescope inspection of the hot section I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects found at this time.
6. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
7. Performed engine vibration analysis I.A.W. the Micro Vibe II Instructions. IPS: 0.006, NP: 1660.
8. Oil sample sent to Jet Lab for analysis.
9. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-64 MM Chapter 71.
10. Removed and replaced the oil scavenge tubes o-rings I.A.W. Pratt and Whitney MM Chapter 79.
11. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

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C.R.S. X1IR595Y

Page 2 of 2

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0327 N850FP

Work Order: 11466 TTSN: 418.3 Date: 3/13/2015

Tach: Hobbs: 418.3 TCSN: 246 TSO: CSO:

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 11466.

 03/17/2015
Date

(LBID:11187)

For: FAA Approved Repair Station # X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D

S/N PCE-RV0327

N850FP

Work Order: 12269

TTSN:

706.4

Date: 3/7/2016

Tach:

Hobbs: 706.4

TCSN:

419

TSO:

CSO:

1. Complied with a "A" inspection plus annual I.A.W. Socata MM Chapter 05-20-02, 05-20-05 and Pratt and Whitney PT6A-66D MM. All AD's checked through revision 2016-03; see AD compliance record provided with the airframe logbook.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. Blades need blended this visit.
3. Complied with Pratt and Whitney SB 14001 Paragraph 3(b) by taking and oil sample, performing oil coloration and patch test inspections, draining and refilling of oil system with BP 2380, and the addition of three quarts of Aero shell 560 Oil to the Aircraft inventory and the addition of a placard stating service with Aero shell 560 I.A.W. Pratt and Whitney SB 14001 Paragraph 3(b). Full oil replacement to be accomplished by top up method.
4. P&W SB's 14357R4 and 14495R3, check of fuel nozzle tips, were complied with by Dallas Airmotive, as verified on their Form 8130-3 for fuel nozzle work done this visit.
5. Complied with Pratt and Whitney SB 14476R2 by the instillation of new support bracket for the governor air pressure PY tube I.A.W. Pratt and Whitney SB 14476R2. Op checks good.
6. Complied with Pratt and Whitney SB 14507 by the inspection of the interconnect rod for safety cable possible ferrule interference with the FCU lever or cam lever I.A.W. Pratt and Whitney SB 14507. No discrepancies noted.
7. Complied with Pratt and Whitney SB 14509R1 by the removal and replacement of the propeller over speed governor mounting washers with new I.A.W. Pratt and Whitney SB 14509R1.
8. Complied with the 600 hour replacement of the engine high pressure fuel pump outlet filter with new and the 600 hour check and cleaning of the fuel pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.
9. Complied with the 400 hour cleaning and flow check of the engine fuel nozzles per Dallas Airmotive APO 8496. Installed the aircraft fuel nozzles after cleaning and flow check I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D

S/N PCE-RV0327

N850FP

Work Order: 12259

TTSN:

706.4

Date: 3/7/2016

Tach:

Hobbs: 706.4

TCSN: 419

TSO:

CSO:

10. Complied with the 400 hour borescope inspection of the hot section I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects found at this time.
11. Complied with the 12 month or 1000 hour replacement of the engine oil with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
12. Blended blades on first stage engine compressor I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
13. Adjusted max torque I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71. Op checks good.
14. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
15. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
16. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79.
17. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between post blending and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 12259.

Byron D. Long 3/7/16

Date

(LBID:12028)

For: FAA Approved Repair Station # X11R595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0327 N850FP

Work Order: 13060 TTSN: Date: 3/3/2017

Tach: Hobbs: TCSN: TSO: CSO:

1. Complied with a "C" inspection plus annual I.A.W. Daher MM Chapter 05-20-04, 05-20-05 and Pratt & Whitney PT6A-66D MM. All AD's checked through revision 2017-04; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
3. Performed a visual inspection of the second stage PT blades for the following ITT exceedance of IT 958° C for 7 seconds dated 21 Nov. 2016 I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71. No defects noted at this time.
4. Complied with the 1000 hour inspection of the AGB scavenge pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects found at this time.
5. Complied with the 1000 hour replacement of the P-3 filter with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Leak checks good.
6. Complied with 1000 hour replacement of the engine oil filter with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Leak checks good.
7. Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt and Whitney MM Chapter 73. No defects noted.
8. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79.
9. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
10. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66DMM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
11. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

The New AVEX, Inc.

C.R.S. X1IR595Y

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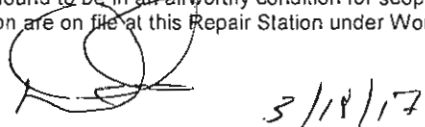
205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0327 N850FP

Work Order: 13060 TTSN: Date: 3/3/2017

Tach: Hobbs: TCSN: TSO: CSO:

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 13060.

A handwritten signature, possibly "R. S.", is written over a horizontal line. To the right of the signature, the date "3/14/17" is handwritten.

Date

(LBID:12943)

For: FAA Approved Repair Station # X1IR595Y

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	13350	TTSN: 965.4	Date: 8/29/2017
Tach:	Hobbs: 965.4	TCSN: 589	TSO: CSO:

1. Complied with a "A" inspection plus annual I.A.W. Daher MM Chapter 05-20-02, 05-20-05 and Pratt and Whitney PT6A-66D MM. All AD's checked through revision 2017-17; see AD compliance record provided with the airframe logbook. Daher checklist meets the requirements of 14 CFR 43 Appendix D.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Blades needed blended this visit.
3. Complied with the 400 hour cleaning and flow check of the engine fuel nozzles per Dallas Airmotive APO 9664. Installed the aircraft fuel nozzles after cleaning and flow check I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.
4. Complied with the 400 hour borescope inspection of the hot section I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Hot Section appears normal for time in service.
5. Removed AGB chip detector P/N 3045951-01 S/N ABS586 and replaced with new P/N 3045951-02 S/N ABY722 I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Op and leak checks good.
6. Complied with inspection of the fuel outlet filter for foreign matter or distortion upon inspecting of filter, found foreign matter debri, replaced filter with new part I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73.
7. Removed and replaced right ignitor with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 74. Op checks good.
8. Removed and replaced left ignitor with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 74. Op checks good.
9. Blended first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
10. Performed full borescope of the engine I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects noted.
11. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	13350	TTSN:	965.4
Tach:	Hobbs: 965.4	TCSN: 589	TSO:
			CSO:
			Date: 8/29/2017

12. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
13. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79.
14. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between blend of blade and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 13350.

Byron D. Guy 8/29/17
Date

(LBID:13422)

For: FAA Approved Repair Station #C.R.S. X1IR595Y

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	14164	TTSN: 1157.7	Date: 7/9/2018
Tach:	Hobbs: 1157.7	TCSN: 718	TSO: CSO:

1. Complied with a "B" inspection plus annual I.A.W. Daher MM Chapter 05-20-03, 05-20-05 and Pratt & Whitney PT6A-66D MM. All AD's checked through revision 2018-13; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
3. Complied with the 600 hour replacement of the engine high pressure fuel pump outlet filter with new and the 600 hour check and cleaning of the fuel pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.
4. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79.
5. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
6. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
7. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 14164.

Kim G. Franki  07/09/18
Kim G. Franki Date

(LBID:14394)

For: FAA Approved Repair Station # X1IR595Y

205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	15190	TTSN: 1297.2	Date: 8/1/2019
Tach:	Hobbs: 1297.2	TCSN: 799	TSO: CSO:

1. Complied with an "A" Inspection plus Annual I.A.W. Daher MM Chapters 05-20-02 and 05-20-05 and Pratt & Whitney PT6A-66D MM. All AD's checked through revision 2019-15; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
3. Complied with the 400 hour borescope inspection of the hot section I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No defects found at this time.
4. Complied with the removal of engine fuel nozzles S/N M0085 for 400 hour cleaning and flow check and installed new aircraft fuel nozzles S/N M0263 I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.
5. Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601.
6. Complied with the 6 year overhaul of propeller over speed governor P/N A210632 S/N 18663260 by replacement with overhauled propeller over speed governor P/N A210632 S/N 16929854 I.A.W. Daher MM Chapter 61. Op and leak checks good.
7. Complied with the 6 year overhaul by removal of propeller governor P/N 66503-8210-007-1, S/N 18634716 and installation of an overhauled propeller governor PN 66503-8210-007-1, S/N 18455441 I.A.W. Woodward SB 33580 and Pratt & Whitney PT6A-66D MM Chapter 61. Op check and leak checks good on ground test.
8. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
9. Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt & Whitney PT6A-66D MM Chapter 73. No defects noted.
10. Removed and replaced leaking oil scavenge rube o-rings with new I.A.W. Pratt & Whitney PT6A-

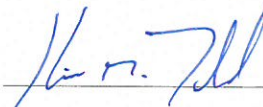
205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0327 N850FP
 Work Order: 15190 TTSN: 1297.2 Date: 8/1/2019
 Tach: Hobbs: 1297.2 TCSN: 799 TSO: CSO:

66D MM Chapter 79. Op and leak checks good.

11. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79.
12. Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
13. Performed engine vibration analysis I.A.W the Micro Vibe II Instructions. IPS: 0.380, RPM: 1980.
14. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance inspections.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 15190.

  08/01/19
 Date

(LBID:15669)

For: FAA Approved Repair Station # X1IR595Y

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	16072	TTSN:	1389.4
Tach:	Hobbs: 1389.4	TCSN: 849	TSO:
			CSO:

1. Complied with a "C" inspection plus annual I.A.W. Daher MM Chapter 05-20-04, 05-20-05, and Pratt & Whitney MM PT6A-66D. All AD's checked through revision 2020-17; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
3. Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601.
4. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
5. Borescope through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
6. Removed defective AGB chip detector, and installed new chip detector I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Leak check good.
7. Removed defective RGB chip detector, and installed new chip detector I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Leak check good.
8. Removed defective Garlock seal on tach generator AGB, and installed new Garlock seal I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Leak check good.
9. Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.
10. Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance.

205 Durley Avenue, Suite A Camarillo, CA 93010 (805) 389-1188 Fax: (805) 389 - 3323

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	16072	TTSN: 1389.4	Date: 9/3/2020
Tach:	Hobbs: 1389.4	TCSN: 849	TSO: CSO:

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 16072.



3 Sep 2020

Date

(LBID:17011)

For: FAA Approved Repair Station C.R.S. X1IR595Y

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	16903	TTSN:	1394.9
Tach:	Hobbs: 1394.9	TCSN:	TSO:
			CSO:
			Date: 6/4/2021

1. Visually inspect engine externals, lines, linkages, inlet, RGB housing and exhaust for evidence of corrosion or damage. Visually inspected engine lines, linkages, inlet, RGB housing and exhaust I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. No corrosion or damage found.
2. Rotate propeller with your hand and check for binding. Rotated propeller by hand and no binding was found I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327.
3. Performed pre-maintenance borescope of engine first stage compressor and inlet I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. No corrosion or foreign objects noted.
4. Perform full borescope of hot section for evidence of corrosion or damage. Performed hot section borescope I.A.W. Daher Pratt and Whitney PT6A-66D MM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327.
5. Borecope accessory and reduction gearboxes and inspect gears for evidence of corrosion. Inspect housings for evidence of loss of coating. Borescoped accessory and reduction gear boxes I.A.W. Pratt and Whitney PT6A-66D EMM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. No corrosion noted.
6. Inspect AGB screen inlet for debris. Inspected AGB inlet screen for debris I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No debris found.
7. Inspect engine oil filter and replace with new. Removed and inspected engine oil filter - no anomalies found. Replaced oil filter with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 79 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. Leak check ok.
8. Inspect fuel filter for evidence of water, residues or deposits. Removed and inspected fuel filter. No anomalies found. Replaced fuel filter with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. Leak checks good.

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	16903	TTSN:	1394.9
Tach:	Hobbs: 1394.9	TCSN:	TSO:
			CSO:

9. Disconnect fuel line at the flow divider and wet motor engine to purge fuel system of remaining fuel. Disconnected fuel line at flow divider, performed wet motor and purged fuel system. Reconnected fuel line at flow divider and safetied. All work performed I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327.
10. Perform an oil system flush and fill with new oil. Performed an oil system flush and serviced with new oil I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327.
11. Run the engine at 80% TO power for 15 minutes. Aircraft owner operated aircraft at 80% TO power for 15 minutes I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and Pratt and Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327.
12. Perform acceleration checks. Aircraft owner performed acceleration checks I.A.W. Pratt & Whitney PT6A-66D MM and Pratt & Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. Acceleration normal.
13. Re-inspect engine oil filter, chip detectors and strainers for any signs of debris. Inspected engine oil filter, chip detectors and strainers for debris and leaks I.A.W. Pratt & Whitney PT6A-66D MM and Pratt & Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. No debris or leaks found.
14. Inspect for evidence of external oil or fuel leakage following the engine run. Inspected engine for evidence of external oil or fuel leakage I.A.W. Pratt & Whitney PT6A-66D MM and Pratt & Whitney Deviation letter DAA2021-401-PT6A-66D-RV0327. No leaks found.
15. Remove the fuel control unit for bench check. Removed FCU P/N 8063-063 S/N 18704681 for bench check (reference Avex APO 13475 for International Governor Services LLC, FAA CRS IG0R976N). Installed repaired (including fuel calibration) FCU P/N 8063-063 S/N 18704681 and rigged. Conducted ground maintenance run - operational check and leak check good. All maintenance performed I.A.W. Pratt & Whitney PT6A-66D MM Chapters 73 & 76.
16. Comply with clean and flow of engine fuel nozzles. Complied with cleaning and flow check of the

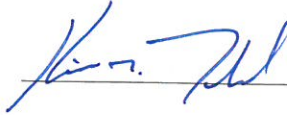
11804 Corporate Way Broomfield, CO 80021 (720) 399-8008 Fax: (720) 541-9001

ENGINE	Pratt & Whitney PT6A-66D	S/N PCE-RV0327	N850FP
Work Order:	16903	TTSN:	1394.9
Tach:	Hobbs: 1394.9	TCSN:	TSO:
			CSO:
			Date: 6/4/2021

engine fuel nozzles per Dallas Airmotive APO 13476. Installed the aircraft fuel nozzles P/N 3023670 S/N M0263 after cleaning and flow check I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Op and leak checks good.

17. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
18. Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 16903.

  06/04/21
Date

(LBID:18110)

For: FAA Approved Repair Station C.R.S. X1ID595Y



GO BEYOND

Pratt & Whitney Canada Corp.
1000 Marie-Victorin
Longueuil, Québec, Canada J4G 1A1
1-800-268- 8000

DAA2021-401-PT6A-66D-RV0327 Deviation Letter #
CRM Case: PWC-175067-X1X7

May 13, 2021

New Avex
11804 Corporate Way
Broomfield, Colorado
USA, 80021

WO
copy

Attention: Robert O'Connor, Director of Maintenance

Subject: Deviation Letter – Engine Model PT6A-66D Serial Number PCE-RV0327 (TTSN: 1389 hrs / TCSN: 849 cy) – Engine Preservation

Dear Mr. O'Connor,

Pratt & Whitney Canada Corp. (P&WC) understands that the last engine run for the subject engine was in September 2020 and that the aircraft has been parked in a climate controlled hangar in Lee's Summit, MO. P&WC also understand that a recently tested oil sample identified a water content of 489 ppm and a Total Acid Number (TAN) of 0.17 mg KOH/g, which is within the acceptance limits of 1000 ppm and 2 mg.KOH/g respectively.

P&WC further understands that the customer requests to operate the engine for a total of three (3) flight hours, in order to reposition the aircraft to a suitable maintenance facility to complete any necessary maintenance required.

An engineering evaluation of the information provided has determined that the engine, in this regard, continues to comply with its certification basis and is in serviceable condition for a repositioning flight (maximum of three (3) hours), after which any steps not performed in EMM, chapter 72-00-00, Unpreserved Engines procedure (90 days to 1 year) must be completed, provided the following maintenance tasks are accomplished prior to repositioning flight:

- 1- Visually inspect engine externals, lines, linkages, inlet, RGB housing and exhaust for evidence of corrosion or damage.
- 2- Rotate propeller with your hand and check for binding. Report any binding to P&WC First@pwc.ca.
- 3- Borescope compressor for evidence of corrosion or foreign objects.
- 4- Borescope Hot Section for evidence of corrosion or damage.
- 5- Borescope Accessory and Reduction Gearboxes and inspect gears for evidence of corrosion. Inspect housings for evidence of loss of coating. Return engine for Light Overhaul if corrosion is evident.
- 6- Inspect engine oil filter and replace with new.
- 7- Inspect fuel filter for evidence of water, residues or deposits. Report any anomalies to CFirst@pwc.ca. Replace fuel filter.
- 8- Disconnect fuel line at the flow divider and wet motor engine to purge fuel system of remaining fuel.
- 9- Perform an oil system flush and fill with new oil.
- 10- Run the engine at 80% TO power for 15 minutes.
- 11- Perform acceleration checks.
- 12- Re-inspect engine oil filter, chip detectors and strainers for any signs of debris. Report any anomalies to CFirst@pwc.ca.
- 13- Inspect for evidence of external oil or fuel leakage following the engine run. Report any anomalies

This Deviation Letter constitutes Transport Canada approved data. P&WC acknowledges the final authority of the local regulatory agency in the application of this data. Applicable engine Airworthiness Limitations and Airworthiness Directives shall take precedence.

Export Classification: This document contains no technical data controlled by the Canadian Export Control List, the United States Munitions List, or more restrictively controlled than ECCN 9E991 on the United States Commerce Control List (i.e. this document may contain EAR99, ECCN 9E991 or other data that is controlled only for Group E:1 countries.



GO BEYOND

Pratt & Whitney Canada Corp.
1000 Marie-Victorin
Longueuil, Québec, Canada J4G 1A1
1-800-268-8000

DAA2021-401-PT6A-66D-RV0327

to CFirst@pwc.ca.

This event and the maintenance actions should be documented in the engine log book with a copy of this letter.

Should you require further clarifications on the above, do not hesitate to contact your P&WC Field Service Manager, or either of the undersigned.

Best regards,

Luc Dubois
PT6A Customer Engineering
Customer Service
PRATT & WHITNEY CANADA Corp.

Felix Hudon
Chief Engineer's Office
Customer Service
DAA #131 DAO 93-Q-01

This Deviation Letter constitutes Transport Canada approved data. P&WC acknowledges the final authority of the local regulatory agency in the application of this data. Applicable engine Airworthiness Limitations and Airworthiness Directives shall take precedence.

Export Classification: This document contains no technical data controlled by the Canadian Export Control List, the United States Munitions List, or more restrictively controlled than ECCN 9E991 on the United States Commerce Control List (i.e. this document may contain EAR99, ECCN 9E991 or other data that is controlled only for Group E:1 countries.



C.R.S. X11D595Y

Page 1 of 1

11804 Corporate Way Broomfield, CO 80021

Phone: (720) 399-8008

Fax: (720) 541 - 9001

ENGINE	Pratt and Whitney PT6A-66D	S/N: RV0327	Work Order: MXCO186	N850FP
Hobbs: 1401.8	TTSN: 1401.8	TSO:	CSN: 866	CSO:
				Date: 09/15/2021

1. 1.1 Complied with an "A" Inspection plus Annual in reference to Daher MM Chapter's 05-20-03, 05-20-05 and Pratt & Whitney PT6A-66D. All AD's checked through revision 2021-18; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.
2. 2.13 Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
3. 1.3 Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601. Pulled engine oil sample and submitted I.A.W. Pratt & Whitney PT6A-66D MM Chapter 79.
4. 1.7 Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.
5. 2.21 Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72 and found some minor spots of coked oil around the drain area and the drains are free at this time.
6. 2.14 Performed post maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCO186.

For: FAA Approved Repair Station C.R.S. X11D595Y

Date

C.R.S. X1ID595Y

11804 Corporate Way Broomfield, CO 80021 Phone: (720)399-8008 | Fax: (720) 541-9001

N850FP

Work Order No: MXCO1086

November 14, 2022

Engine

MFR: Pratt & Whitney

Model: PT6A-66D

SN: RV0327

HOBBS: 1,581.90

TSN: 1,581.90

TSO:

CSN: 976.00

CSO:

1. Complied with a B inspection plus annual I.A.W. 14 CFR 91.409 and 14 CFR 43 Appendix D using the Daher MM Chapter 05-20-03, 05-20-05, and Pratt and Whitney PT6A-66D as guides. All AD's checked through revision 2022-23; see AD compliance record provided with the airframe logbook.
2. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
3. Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601. Retrieved and sent out oil sample for analysis using kit P/N 3134819 S/N 412992.
4. Complied with the CT disc desalination and compressor power recovery wash I.A.W. Pratt & Whitney PT6A-66D MM Chapter 71.
5. Checked max reverse and adjusted to specifications. Final torque 297.4 @ 1880 RPM. All work performed I.A.W. Daher MM Chapter 71 and Pratt and Whitney MM Chapter 71.
6. Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73.
7. Replaced damaged P3 filter with new filter and packings. Work done I.A.W P&W MM Chapter 73-10.
8. Performed engine vibration analysis (reference WO package for results of analysis). All work completed I.A.W. Dynamic Solutions System MicroVib II Users Manual 1013.
9. Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCO1086.



11/14/22

For: FAA Approved Repair Station C.R.S. X1ID595Y Date

N850FP

Work Order No: MXCO2231

December 22, 2023

Engine MFR: Pratt & Whitney
HOBBS: 1,726.00 TSN: 1,726.00

Model: PT6A-66D
TSO:

CSN: 1,055.00

SN: RV0327
CSO:

Complied with an A inspection plus annual I.A.W. 14 CFR 91.409 and 14 CFR 43 Appendix D using the Daher MM Chapter 05-20-03, 05-20-05, and Pratt and Whitney PT6A-66D MM as guides. All AD's checked through revision 2023-26; see AD compliance record provided with the airframe logbook.

Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601. Retrieved and sent out oil sample for analysis using kit P/N 3134819 S/N 452415.

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.

Complied with the 600 hour replacement of the engine high pressure fuel pump outlet filter with new and the 600 hour check and cleaning of the fuel pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Operational and leak check good.

Complied with the 1000 hour inspection of the AGB scavenge pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.

Performed engine vibration analysis (reference WO package for results of analysis). All work completed I.A.W. Dynamic Solutions System MicroVibe II Users Manual 1013.

Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance.

Adjusted low idle to 56.6% Ng I.A.W Daher MM Chapter 71. Operational check good.

Complied with cleaning and flow check of the engine fuel nozzles per Standard Aero WO 43-02104. Installed aircraft fuel nozzles after cleaning and flow check. Replaced two nozzles with new due to streaking. Re-installed flow divider after inspection. All work performed I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Operational and leak check good.

N850FP

Work Order No: MXCO2231

December 22, 2023

Engine MFR: Pratt & Whitney
HOBBS: 1,726.00 TSN: 1,726.00

Model: PT6A-66D
TSO:

CSN: 1,055.00

SN: RV0327
CSO:

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCO2231.

 
Signature

12/22/23
Date

For: FAA Approved Repair Station # C.R.S. X11D595Y

N850FP		Work Order No: MXCO2231		December 22, 2023
Engine	MFR: Pratt & Whitney	Model: PT6A-66D	SN: RV0327	
HOBBS: 1,726.00	TSN: 1,726.00	TSO:	CSN: 1,055.00	CSO:

Complied with an A inspection plus annual I.A.W. 14 CFR 91.409 and 14 CFR 43 Appendix D using the Daher MM Chapter 05-20-03, 05-20-05, and Pratt and Whitney PT6A-66D MM as guides. All AD's checked through revision 2023-26; see AD compliance record provided with the airframe logbook.

Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601. Retrieved and sent out oil sample for analysis using kit P/N 3134819 S/N 452415.

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.

Complied with the 600 hour replacement of the engine high pressure fuel pump outlet filter with new and the 600 hour check and cleaning of the fuel pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Operational and leak check good.

Complied with the 1000 hour inspection of the AGB scavenge pump inlet screen I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.

Performed engine vibration analysis (reference WO package for results of analysis). All work completed I.A.W. Dynamic Solutions System MicroVibe II Users Manual 1013.

Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance.

Adjusted low idle to 56.6% Ng I.A.W Daher MM Chapter 71. Operational check good.

Complied with cleaning and flow check of the engine fuel nozzles per Standard Aero WO 43-02104. Installed aircraft fuel nozzles after cleaning and flow check. Replaced two nozzles with new due to streaking. Re-installed flow divider after inspection. All work performed I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Operational and leak check good.

N850FP

Work Order No: MXC02231

December 22, 2023

Engine MFR: Pratt & Whitney
HOBBS: 1,726.00 TSN: 1,726.00

Model: PT6A-66D
TSO:

CSN: 1,055.00

SN: RV0327
CSO:

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXC02231.

  12/22/23
Signature Date

For: FAA Approved Repair Station # C.R.S. X1ID595Y

N850FP		Work Order No: MXCO3316		December 10, 2024
Engine	MFR: Pratt & Whitney	Model: PT6A-66D	SN: RV0327	
HOBBS: 1,793.70	TSN: 1,793.70	TSO:	CSN: 1,096.00	CSO:

Complied with a "C" inspection plus annual in reference to Daher MM Chapter 05-20-03, 05-20-05, and Pratt and Whitney PT6A-66D MM. All AD's checked through revision 2024-24; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.

Complied with AD 2024-04-51 by confirming no affected PT2 blades listed in table 1 of Pratt and Whitney SB A14574 are installed. All work performed I.A.W. FAA AD 2024-04-51, Transports Canada CF-2024-05, and Pratt and Whitney SB A14574. No further action required.

Complied with P&W SB 14564R1 (Category 5 SB) and Champion SBCH53399-74-001; inspection of the ignition cables (2 per engine) for either one of the following bad codes: 2C18, 3C18, 4C18, 1D18, 2D18, 3D18, 4D18, and 5D18. Inspected ignition cables and found the codes were 5C13 for both cables. No further action required at this time.

Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.

Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72-00-00 Table 601. Retrieved and sent out oil sample for analysis using kit P/N 3134819 S/N 464716.

Removed leaking oil sight glass gasket and replaced with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Leak check good.

Removed RGB tach generator garlock seal and replaced with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. Ops and leak check good.

Replaced gasket on fuel-to-oil heater drain plug with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Leak check good.

Complied with inspection of the fuel outlet filter for foreign matter or distortion I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.

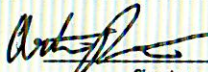
Replaced gasket on drain plug below the oil filter with new I.A.W. Pratt and Whitney PT6A-66D MM Chapter 79. Leak check good.

Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.

Performed engine vibration analysis (reference WO package for results of analysis) I.A.W. Dynamic Solutions System MicroVibe II Users Manual 1013.

Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72. No changes noted between pre and post maintenance.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCO3316.


Signature

Date
12/10/24
For: FAA Approved Repair Station # C.R.S. X11R595Y



C.R.S. X1IR595Y

11804 Corporate Way Broomfield, CO 80021 Phone: (720)399-8008 | Fax: (720) 541-9001

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N850FP

Work Order No: MXCO4164

November 24, 2025

Propeller MFR: Hartzell

Model: HC-ESN-3C/NC8834K

SN: RJ199

HOBBS: TSN: 1,087.30

TSO: 211.80

Complied with an "A" inspection plus annual in reference to Daher MM Chapter 05-20-02 05-20-05, Pratt and Whitney PT6A-66D, and Hartzell MM 147. All AD's checked through revision 2025-23; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.

Complied with 12 month / 200 hr de-ice circuit resistance check in the propeller de-icing system I.A.W Hartzell Manual 180, Paragraph E, Page 5-40. No defects noted.

Complied with 12 month / 600 hr coin tap test of the erosion shield surface per Hartzell Manual 147 requirement and I.A.W procedure outlined in Hartzell Manual 170.

This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. MXCO4164.


Signature

Date 11/24/2025
For: FAA Approved Repair Station # C.R.S. X1IR595Y