

**Work Completed**

Date 17-Jul-06

Serial # PCE 95510

Model # PT6A-60A

W/O # S591417

Pratt & Whitney PT6A-60A Engine S/N PCE 95510 has been overhauled and tested in accordance with Pratt & Whitney Overhaul Manual 3034343, dated March 24, 2006 and the current maintenance rules of the Canadian Aviation Regulations. The product is approved for return to service in compliance with CAR 571, FAR Part 43.17, and EASA Part-145 (reference EASA Approval Certificate EASA.145.7059).

## RDA repairs incorporated:

C-RE94-215 Application of Aeroguard Paint to PT6A Engine Gas Generator Cases

C-RE96-204 PT6 Aeroblue Coating Substitute for Serma Tech Process 5380DP

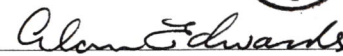
## The engine is comprised of the following components:

Gas Generator S/N	PCE 95510	TTSN 3591.8	TSO/V 00.0	TCSN 3810	CSO 00
Power Section S/N	PS 95510	TTSN 3591.8	TSO/V 00.0	TCSN 3810	CSO 00

All pertinent details of work performed are on file at this organization under Work Order No. S591417 \*\*\*End\*\*\*

Standard Aero Limited  
33 Allen Dyne Road  
Winnipeg, Manitoba R3H 1A1 (204) 775-9711

Authorized Signatory



Alan Edwards

Approved Maintenance Organization #22-58



**Engine Test Certificate**

Date: 17-Jul-06

Serial # PCE 95510      Model # PT6A-60A      W/O # S591417

Established After: Overhaul

Declared Engine Performance Corrected for ISA Condition

RATING	SHP	Ng SPEED	SFC	T5 R	PS3 RATIO
TAKE-OFF	1173	36567	0.539	1818.6	
DATA PLATE SPEED	1173	36567			
RPM %		97.51%			
PRESSURE RATIO	8.77	@ 36500	Rpm		
TRIM STICK	3053995CL16	$\Delta T5 = 36$ °F / $\theta \pm 5$ °F @ 61 $\Omega$			
		$\Delta T5 = 20$ °C / $\theta \pm 3$ °C			
OIL TYPE USED	BP 2380	FUEL TYPE USED	Jet A-1		

I hereby certify that this engine has been tested in accordance with the manufacturer's recommendations and requirements.

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**Life Limited Components Installed - Gas Generator**

Date: 17-Jul-06

Serial #	PCE 95510	Model #	PT6A-60A	W/O #	S591417
TTSN	3591.8	TSO/V	00.0	TCSN	3810
S/B	13002	Rev. #	13	CSO/V	00

	Part #	Serial #	Cycle Limit	CSN	Cycles Remain.	Hrs. Limit	TSN	Hrs. Remain.
CT Disc	3040311	23A104	15000	3810	11190	--	--	--
Rotor Shaft	--	--	--	--	--	--	--	--
1st Stage	3038401	20A614	15000	3810	11190	--	--	--
2nd Stage	3034312	7T220	20000	3810	16190	--	--	--
3rd Stage	3034313	13A432	20000	3810	16190	--	--	--
4th Stage	--	--	--	--	--	--	--	--
4th Spacer	--	--	--	--	--	--	--	--
Impeller	3035635	7D893	20000	3810	16190	--	--	--

CT Vane	Part # 3041861	Serial # 312B	Class 6.55
CT Blade	Part # 3121111-01	Qty 59	TTSN --
	Part # --	Qty --	TTSO 00.0
			TTSN --
			TTSO --

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**Life Limited Components Installed - Power Section**

Date: 17-Jul-06

Serial # PS 95510      Model # PT6A-60A      W/O # S591417  
TTSN 3591.8      TSO/V 00.0      TCSN 3810      CSO/ 00  
S/B 13002      Rev. # 13

	Part #	Serial #	Cycle Limit	CSN	Cycle Remain.
1st PT Disc	3029312	22A176	30000	3810	26190
2nd PT Disc	3029313	22A284	30000	3810	26190
1st Stage Bushing	BRONZE	--	--	--	--
1st Stage PT Vane	3038262	8E103	Class 20.36		

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**Installed Accessories**

Date: 17-Jul-06

Serial #	PCE 95510	Model #	PT6A-60A	W/O #	S591417	TTSN	3591.8
ACCESSORY		PART NUMBER		SERIAL NUMBER		TSO	
Oil Filter		3028419		SS5894 E		00.0	TSN
P3 Filter		3029267		SS6895 E		00.0	TSN
Fuel Control Assy.		8061-330 A		2250649		00.0	
Fuel Pump Assy.		399701-5		1618		00.0	
Ignition Exciter		10-381550-4 C		NN94194538		00.0	
Oil to Fuel Heater		10585 K		1764		00.0	
Dump Valve		26035		0933		00.0	
Bleed Valve Assy.		3117032-01		7W757		00.0	
Overspeed Governor		B210631		2249536 M		00.0	
Propeller Governor		8210-310 NEW		2137311		00.0	

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## Modification List

TCN: S591417

Customer: CORPORATE TRAVEL MANAGEMENT

Part #: 3102700-01

Serial#: PCE-95510

Model: PT6A-60A

### AIRWORTHINESS DIRECTIVES / MODIFICATIONS EMBODIED

10585-73-08 R1	10585-73-10 R0	97-04-12 R0
CF-96-24 R0	S.B. 33541 RA	SB13001 R12
SB13002 R13	SB13044 R9	SB13135 R0
SB13161 R5	SB13163 R5	SB13170 R0
SB13174 R0	SB13177 R3	SB13181 R0
SB13189 R0	SB13192 R0	SB13193 R1
SB13197 R1	SB13201 R1	SB13205 R1
SB13212 R0	SB13214 R0	SB13216 R1
SB13217 R0	SB13221 R0	SB13223 R1
SB13224 R0	SB13225 R0	SB13226 R1
SB13227 R0	SB13228 R0	SB13249 R2
SB13258 R1	SB13266 R0	SB13307 R3
SB13310 R1	SB13319 R1	SB13321 R4
SB13354 R1	SB13361 R0	SB13371 R0
SB13398 R1	SB13399 R1	SB33531 RC
SB33580 RL-11	SB399700-73-2 R0	SB60021-61-11 R0
SB83053-61-006 R0		

### AIRWORTHINESS DIRECTIVES / MODIFICATIONS FOUND EMBODIED

70-16-01 R0	S.B. 60021-61-7 R1	SB13048 R2
SB13050 R0	SB13059 R0	SB13063 R0
SB13082 R0	SB13088 R0	SB13132 R0
SB13141 R3	SB13153 R0	SB13159 R1
SB13173 R1	SB13235 R0	SB13242 R 0
SB13242 R8	SB13301 R0	SB13384 R0
SB13400 R0		

### AIRWORTHINESS DIRECTIVES / MODIFICATIONS FOUND EMBODIED PER LOGBOOK

STANDARD AERO LIMITED  
33 ALLEN DYNE ROAD  
WINNIPEG, MB R3H 1A1  
CANADA

Authorized Signatory

  
ALAN EDWARDS

JUL 17 2006

AMO # 22-58





US Department  
of  
Federal Aviation  
Administration

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

**For FAA Use Only**

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

<b>1. Aircraft</b>	Make	Model
	Serial No.	Nationality and Registration Mark
<b>2. Owner</b>	Name (As shown on registration certificate)	Address (As shown on registration certificate)


**3. For FAA Use Only**

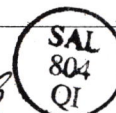
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4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAM	~~~~~(As described in Item 1 above)~~~~~				
POWERPLAN	Pratt & Whitney	PT6A-60A	PCE 95510	X	
PROPELLER					
APPLIANCE					

<b>6. Conformity Statement</b>		
A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
<b>STANDARD AERO LIMITED</b> <b>33 ALLEN DYNE ROAD</b> <b>WINNIPEG, MANITOBA, CANADA R3H 1A1</b>	<input type="checkbox"/> U.S. Certified Mechanic	<b>AMO 22-58</b>
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certified Repair Station	
	<input type="checkbox"/> Manufacturer	

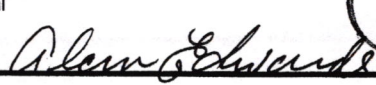
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

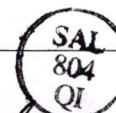
Date	Signature of Authorized Individual
<b>17-Jul-06</b>	<b>Alan Edwards</b> 



**7. Approval for Return to Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is **X APPROVED** "145/7600"

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Person Approved by Transport Canada Airworthiness Group	
Date of APPROVAL		Certificate or Designation No.	Signature of Authorized Individual	
<b>17-Jul-06</b>		<b>AMO 22-58</b>	<b>Alan Edwards</b> 	



## NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

### 8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Pratt & Whitney PT6A-60A Engine S/N PCE 95510 has been overhauled and tested in accordance with Pratt & Whitney Overhaul Manual 3034343. dated March 24, 2006 and the current maintenance rules of the Canadian Aviation Regulations. The product is approved for return to service in compliance with CAR 571, FAR Part 43.17, and EASA Part-145 (reference EASA Approval Certificate EASA.145.7059).

#### RDA repairs incorporated:

C-RE94-215                      Application of Aeroguard Paint to PT6A Engine Gas Generator Cases  
C-RE96-204                      PT6 Aeroblue Coating Substitute for Serma Tech Process 5380DP

#### The engine is comprised of the following components:

Gas Generator S/N	PCE 95510	TTSN 3591.8	TSO/V 00.0	TCSN 3810	CSO 00
Power Section S/N	PS 95510	TTSN 3591.8	TSO/V 00.0	TCSN 3810	CSO 00

All pertinent details of work performed are on file at this organization under Work Order No. S591417 \*\*\*End\*\*\*



Alan Edwards  
Canadian Approved Inspector  
Standard Aero Ltd.  
"AMO 22-58".



END

☐ Additional Sheets Are Attached



1. Approving national aviation authority/country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>TCCA 24-0078</b>			3. Form tracking No.  ARC 8605	
4. Approved organization name and address <b>STANDARD AERO LIMITED, 33 ALLEN DYNE ROAD, WINNIPEG, MANITOBA, CANADA R3H 1A1</b> <b>AMO Approval No. 22-58</b>					5. Work Order/contract/invoice  S591417	
6. Item  1	7. Description  TURBO PROP ENGINE	8. Part No.  3102700-01	9. Eligibility*  N/A	10. Qty  1	11. Serial/batch No.  PCE 95510	12. Status/Work  Overhauled
13. Remarks Pratt & Whitney PT6A-60A Engine S/N PCE 95510 has been overhauled and tested in accordance with Pratt & Whitney Overhaul Manual 3034343. dated March 24, 2006 and the current maintenance rules of the Canadian Aviation Regulations. The product is approved for return to service in compliance with CAR 571, FAR Part 43.17, and EASA Part-145 (reference EASA Approval Certificate EASA.145.7059). RDA repairs incorporated: C-RE94-215 Application of Aeroguard Paint to PT6A Engine Gas Generator Cases C-RE96-204 PT6 Aeroblue Coating Substitute for Serma Tech Process 5380DP The engine is comprised of the following components: Gas Generator S/N PCE 95510 TTSN 3591.8 TSO/V 00.0 TCSN 3810 CSO 00 Power Section S/N PS 95510 TTSN 3591.8 TSO/V 00.0 TCSN 3810 CSO 00 All pertinent details of work performed are on file at this organization under Work Order No. S591417 ***End***						
14. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 13.			19. Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571. <input checked="" type="checkbox"/> CAR 571.10 Maintenance release. <input checked="" type="checkbox"/> Other regulations specified in block 13.			
15. Authorized signature  N/A		16. Certificate/Approval ref. No.  N/A		20. Authorized signature  <i>Alan Edwards</i>		21. Certificate/Approval ref. No.  AMO # 22-58
17. Name  N/A		18. Date (dd/mm/yyyy)  N/A		22. Name  Alan Edwards		23. Date (dd/mm/yyyy)  17/Jul/2006

1. This document does not constitute authority to install part.

2. Where the installer works in accordance with the national regulations of an airworthiness authority other than the authority specified in block 1, the installer must ensure that his/her airworthiness authority accepts products or maintenance from the airworthiness authority specified in block 1.

3. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft technical record must contain an installation certification, issued in accordance with the national regulations of the state of registry, before the aircraft may be flown.

(P:\Template\TCCA 24-0078.dot 15 May 06)

DATE <b>JUL 17 2006</b>	INSPECTOR <b>SAL 804 QI</b>
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PART NUMBER	SERIAL NUMBER	ORIG. DIAM.	HEAT CODE	BROUGHT FORWARD			PREVIOUS TIME WITHOUT SB1188
				DISK TIME SINCE NEW	DISK CYCLES SINCE NEW	F M ENG. SERIAL	
<b>3040311</b>	<b>23A104</b>	<b>6.9001</b>	<b>PLBCR</b>	<b>—</b>	<b>3810</b>		<b>N/A</b>

ENGINE DATA				DISK DATA					
ENGINE SERIAL NUMBER	DISK INSTALLED		SB 1188 Yes/no n/a	DISK REMOVED		TIME THIS INSTALLATION	TOTAL TIME TO DATE	CYCLES THIS INSTALLATION	TOTAL CYCLES TO DATE
	DATE	ENG. TOT TIME SINCE NEW		DATE	ENG. TOT TIME SINCE NEW				
<b>PCE 95510</b>	<b>July 17/06</b>	<b>3591.8</b>	<b>N/A</b>						

DATE	REMARKS RECORD BLADE REPLACEMENT OR INSPECTION INFORMATION	NOTE: TIME AND CYCLES REMAINING MUST BE ESTABLISHED WITH RESPECT TO THE LATEST REVISION OF THE APPLICABLE SERVICE BULLETIN				
		FACILITY	JOB NO.	REMAINING DISK		SA APPROVED 804 INSPECTOR QI AMO # 22-58
				TIME	CYCLES	
JUL 17 2006	QTY-59 PIN 3121111-01 TSN 00.0	STANDARD AERO LTD	3591417	—	11190	

RETAIN THIS HISTORY RECORD IN THE RECORDS FOR THE ENGINE IN WHICH THE DISK IS INSTALLED. UPON REMOVAL OF THE DISK FROM THE ENGINE, ROUTE THIS HISTORY RECORD WITH THE DISK.