

Work Completed

Date 19-Jul-06

Serial # PCE 95508

Model # PT6A-60A

W/O # S591416

Pratt & Whitney PT6A-60A Engine S/N PCE 95508 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-RE93-205 PT6 2nd Stage Carrier #5 Bearing Journal Repair
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 95508	TTSN	3591.8	TSO/V	00.0	TCSN	3810	CSO	00
Power Section S/N	PS 95508	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. S591416 ***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: 19-Jul-06

Serial # PCE 95508 Model # PT6A-60A W/O # S591416

Established After: Overhaul

Declared Engine Performance Corrected for ISA Condition

RATING	SHP	Ng SPEED	SFC	T5 R	PS3 RATIO
TAKE-OFF	1173	36725	0.549	1818.2	
DATA PLATE SPEED	1173	36725			
RPM %		97.93%			
PRESSURE RATIO	8.75 @	36500 Rpm			
TRIM STICK	3034857	ΔT5= 70 °F /θ ± 5 °F @ 32.9 Ω			
		ΔT5= 39 °C /θ ± 3 °C			
OIL TYPE USED	BP 2380	FUEL TYPE USED Jet A-1			

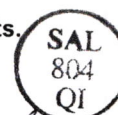
I hereby certify that this engine has been tested in accordance with the manufacturer's recommendations and requirements.

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

Authorized Signatory

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Life Limited Components Installed - Gas Generator

Date: 19-Jul-06

Serial #	PCE 95508	Model #	PT6A-60A	W/O #	S591416		
TTSN	3591.8	TSO/V	00.0	TCSN	3810	CSO/V	00
S/B	13002	Rev. #	13				

	Part #	Serial #	Cycle Limit	CSN	Cycles Remain.	Hrs. Limit	TSN	Hrs. Remain.
CT Disc	3040311	23A055	15000	3810	11190	--	--	--
Rotor Shaft	--	--	--	--	--	--	--	--
1st Stage	3038401	20A610	15000	3810	11190	--	--	--
2nd Stage	3034312	7T208	20000	3810	16190	--	--	--
3rd Stage	3034313	22A799	20000	3810	16190	--	--	--
4th Stage	--	--	--	--	--	--	--	--
4th Spacer	--	--	--	--	--	--	--	--
Impeller	3036793	7D577	24000	3810	20190	--	--	--

CT Vane	Part # 3041861	Serial # 346B
CT Blade	Part # 3121111-01	Qty 58
	Part # 3121111-01	Qty 1

Class 6.52

TTSN -- TTSO 00.0

TTSN 00.0 TTSO --



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Life Limited Components Installed - Power Section

Date: 19-Jul-06

Serial # PS 95508 Model # PT6A-60A W/O # S591416
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	15A335	30000	3810	26190
2nd PT Disc	3029313	20A491	30000	3810	26190
1st Stage Bushing	Bronze	--	--	--	--
1st Stage PT Vane	3038262	A635	Class 20.36		

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Installed Accessories

Date: 19-Jul-06

Serial #	PCE 95508	Model #	PT6A-60A	W/O #	S591416	TTSN	3591.8
ACCESSORY	PART NUMBER		SERIAL NUMBER		TSO		
Oil Filter	3028419		SS6893 E		00.0 TSN		
P3 Filter	3029267		SS7198 F		00.0		
Fuel Control Assy.	8061-330 A		2250643		00.0		
Fuel Pump Assy.	399701-5		1575		00.0		
Ignition Exciter	10-381550-4 C		NN93410850		00.0		
Oil to Fuel Heater	10585 K		1692		00.0		
Dump Valve	26035		0958		00.0		
Bleed Valve Assy.	3117032-01		7T937		00.0		
Overspeed Governor	B210631		2249578 M		00.0		
Propeller Governor	8210-310 NEW		2119865		00.0		

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Approved Maintenance Organization #22-58



Modification List

TCN: S591416

Customer: CORPORATE TRAVEL MANAGEMENT

Part #: 3102700-01

Serial#: PCE-95508

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	SB13116 R2
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
SB13234 R0	SB13235 R0	SB13249 R2
SB13258 R1	SB13266 R0	SB13301 R0
SB13307 R3	SB13310 R1	SB13319 R1
SB13321 R4	SB13337 R0	SB13354 R1
SB13356 R0	SB13361 R0	SB13371 R0
SB13398 R1	SB13399 R1	SB33531 RC
SB33580 RL-11	SB33606 R1	SB60021-61-10 R0
SB60021-61-11 R0	SB60067-73-1	SB60067-73-2
SB60067-73-6	SB60067-73-7	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	SB13062 R2
SB13063 R0	SB13082 R0	SB13088 R0
SB13132 R0	SB13141 R3	SB13153 R0
SB13159 R1	SB13242 R 0	SB13242 R8
SB13384 R0	SB13400 R0	SB399700-73-2 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 19 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).

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

3. For FAA Use Only

4. Unit Identification

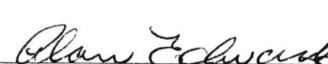
5. Type

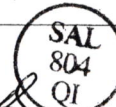
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAM	~~~~~(As described in Item 1 above)~~~~~				
POWERPLAN	Pratt & Whitney	PT6A-60A	PCE 95508	X	
PROPELLER					
APPLIANCE					

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
STANDARD AERO LIMITED 33 ALLEN DYNE ROAD WINNIPEG, MANITOBA, CANADA R3H 1A1	<input type="checkbox"/> U.S. Certificated Mechanic	AMO 22-58
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated 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
19-Jul-06	Alan Edwards 



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 19-Jul-06		Certificate or Designation No. AMO 22-58	Signature of Authorized Individual Alan Edwards 	



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 95508 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-RE93-205	PT6 2nd Stage Carrier #5 Bearing Journal Repair
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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 95508	TTSN 3591.8	TSO/V 00.0	TCSN 3810	CSO 00
Power Section S/N PS 95508	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. S591416 ***End***



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

SAI
RCA

END

☐ Additional Sheets Are Attached

1. Approving national aviation authority/country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE TCCA 24-0078			3. Form tracking No. ARC 8631	
4. Approved organization name and address STANDARD AERO LIMITED, 33 ALLEN DYNE ROAD, WINNIPEG, MANITOBA, CANADA R3H 1A1 AMO Approval No. 22-58					5. Work Order/contract/invoice S591416	
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 95508	12. Status/Work Overhauled
13. Remarks Pratt & Whitney PT6A-60A Engine S/N PCE 95508 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-RE93-205 PT6 2nd Stage Carrier #5 Bearing Journal Repair 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 95508 TTSN 3591.8 TSO/V 00.0 TCSN 3810 CSO 00 Power Section S/N PS 95508 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. S591416 ***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) 19/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 JUL 19 2006	INSPECTOR 804 QI
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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			
3040311	23A055	6.8998	PLBCR	—	3810		N/A		
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				
PCE 95608	July 19/06	35968	N/A						

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		APPROVED INSPECTOR 804 QI
				TIME	CYCLES	
JUL 19 2006	P/N 3121111-01 QTY-1 TSN000 QTY-58 TSO 000	STANDARD AEROLTD	5591416	—	11190	AMO #22-E

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.