



COMPONENT NAME TORQUE UNIT CONTROL
 PART NUMBER 3244706-6
 SERIAL NUMBER A-31754
 PAGE _____ OF _____


HISTORICAL SERVICE RECORD

INSTALLATION DATA				NEXT SCHEDULED				REMOVAL DATA					
DATE	INSTALLED ON AIRCRAFT SERIAL NO.	BY (ACTIVITY)	INSTALLED AT A/C HRS RIN	COMP. HRS./RIN		DATE	REMOVED AT A/C HRS RIN	SINCE NEW		SINCE O/H		REASON FOR REMOVAL	
				SINCE NEW	RIN			COMP. HRS	RIN	COMP. HRS	RIN		
19 Oct /01	30993 (4232) CP-60-1008	P&W	14.090.9 14.466.5	4.000	00:00	23-09-02	15.400.4 14.776.0	4.309.5	309.5			CONV. a mantto.	
6-Nov /06	30993 (4232) CP-60-1008	Sarpa	17.988.7 18.264.3	4.309.5	309.5	18-11-08	18.535.9	4.956.7	956.7			CONV. a mantto.	
7-Jul /08	HK 4232(30993) CP-60-1008	Sarpa	18.897.2 18.911.5	4.956.7	956.7	6-01-09	19.255.2	5.314.7	1.314.7			CONV. a mantto.	
6-ene /09	HK-4124	Sarpa	18.983.5	5.314.7	1.314.7	14-Jul-09	18.990.2	5.321.4	1.321.4			CONV. a mantto.	
31-Jul /01	HK-4232 (30993)	Sarpa	19.326.3 18.860.2	5.321.4	1.321.4	9-Feb/10	19.424.0	5.419.1	1.419.1			CONV. a mantto.	
24-07 /07	HK-4124	Sarpa	18.648.0 18.957.9	5.419.1	1.419.1	05/08/14	2233.2 1934.1	6004.3	2004.3			CONV. a mantto. 100, 150, 180, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000	

COMPONENT TOTAL TIME/RIN		DESCRIPTION OF WORK ACCOMPLISHED		COMP' LIED WITH BY	
				SIGNATURE	DATE
4.000		w/o 13923	Pratt and whitney efectua overhaul	P&W	4-10-1996

Refer to applicable regulatory agency directives and section 4 of the maintenance manual for RIN accumulation instruction (model 204 refer to section 1)

PT6 Accessory Log Card

Company:	Consolidated Turbine Specialist	
Address:	PO Box 596/ 24323 South 385th West Ave. Bristow OK 74010	
Phone:	918-968-9561	

Accessory Removal			Nomenclature:	NF Gov.	
Work Order:	Model:	Engine S/N	Engine TSN	Engine TSO	Accessory TSN:
11310	PT6T-3B	CP-GB TC0140	3,065.90	N/A	3,072.30
Accessory P/N		Accessory S/N		Accy O/H Date	Inspector
2524999-5		C8805		Unk	JJ

Accessory Installed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
1							

Accessory Removed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
2							

Accessory Installed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
3							

Accessory Removed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
4							

Accessory Installed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
5							

Accessory Removed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
6							

Accessory Installed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
7							


Accessory Removed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
8							

Accessory Installed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
9							

Accessory Removed							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
10							

This Card is to be kept with the Records for the Engine in which the Accessory is installed and it must accompany the Accessory on return to a Repair Station or Overhaul Shop. Installation and removal must be recorded in the Engine logbook. Time & Cycles remaining must be established with respect to the latest rev. of the applicable Service Bulletin.

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Work Order:	Model:	Engine S/N	Engine TSN	Engine TSO	Accessory TSN:
I1310	PT6T-3B	CP-GB TC0140	3,065.90	N/A	3,072.30
Accessory P/N		Accessory S/N		Accy O/H Date	Inspector
2524999-5		C8797		Unk	JJ

<u>Accessory Installed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
1							

<u>Accessory Removed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
2							

<u>Accessory Installed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
3							

<u>Accessory Removed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
4							

<u>Accessory Installed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
5							

<u>Accessory Removed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
6							

<u>Accessory Installed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
7							

<u>Accessory Removed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
8							

<u>Accessory Installed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
9							

<u>Accessory Removed</u>							
Event	Model:	Engine S/N:	Engine TSN:	Engine TSO	Accessory TSO	Date:	Insp.
10							

This Card is to be kept with the Records for the Engine in which the Accessory is installed and it must accompany the Accessory on return to a Repair Station or Overhaul Shop. Installation and removal must be recorded in the Engine logbook. Time & Cycles remaining must be established with respect to the latest rev. of the applicable Service Bulletin.

ENGINE SERVICE AND

DATE DD/MM/YY	TIME RUN		TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.

BROUGHT FORWARD →

01 SEP 2022 8404 50 1578 30

INSTALLATIONS, INSPECTIONS,
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

CONSOLIDATED TURBINE SPECIALISTS
Hangar 7 - 5333 216th Street
Langley, BC
V2Y 2N3
Canada

MANUFACTURER	DESCRIPTION	MODEL/TYPE	CONDITION
PRATT & WHITNEY CANADA	REDUCTION GEARBOX	PT6T-3J-3B1-S	REPAIRED
TIME SINCE NEW	TIME SINCE OVERHAUL	TIME REMAINING	TIME TO 1500HR BOP.
PART NUMBER	SERIAL NUMBER		
8404.50	1578.30	TBD	N/A TO CONFIG.
3024780	CP-GB 2393		

MAINTENANCE RELEASE

WORK ACCOMPLISHED:
REDUCTION GEARBOX ASSEMBLY WAS REPAIRED AND TESTED SATISFACTORILY FOR SPECIAL CONDITION INSPECTION - UNUSUAL OIL CONDITIONS.

ASSEMBLY SHIPPED AND INSTALLED WITH QTY (3) NEW OIL FILTERS AND QTY (2) P3 FILTERS (1-NEW, 1-CLEANED TIME CONTINUED). SHIPPED LESS QTY (2) GOVERNORS AND QTY (1) TORQUE CONTROL UNIT.

REMOVED FROM AIRCRAFT REG. C-GOKL.

THE MAINTENANCE DESCRIBED ABOVE HAS BEEN PERFORMED IN ACCORDANCE WITH PRATT AND WHITNEY CANADA OVERHAUL MANUAL PN 3017043 REV. #45 AND IN CONJUNCTION WITH MAINTENANCE MANUAL PN 3017042 REV. #39.0. PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT CONSOLIDATED TURBINE SPECIALISTS CANADA UNDER WORK ORDER NO. CWO 1603

DATE 01 SEPTEMBER 2022
APPROVED INSPECTOR *DAMIAN LAM*

CTS-CDN #002 REV. 2 (0420)

REDUCTION GEARBOX ACCESSORIES INFORMATION SHEET						
Description	Part Number	Serial Number	T.S.N.	T.S.O.	T.REM.	INSTALLED
T.C.U.	NOT RECEIVED					NO
GOVERNOR (#1)	NOT RECEIVED					NO
GOVERNOR (#2)	NOT RECEIVED					NO
OIL FILTER (#1)	91160	2393 #1	NEW	NEW	900HR	YES
CALENDAR TIME			NEW	NEW	730D	
OIL FILTER (RGB)	91160	2393 RGB	NEW	NEW	900HR	YES
CALENDAR TIME			NEW	NEW	730D	
OIL FILTER (#2)	91160	2393 #2	NEW	NEW	900HR	YES
CALENDAR TIME			NEW	NEW	730D	
P3 FILTER (#1)	WF334552	N/A	NEW	NEW	900.00	YES
P3 FILTER (#2)	WF334552	C080710A	684.80	N/A	215.20	YES
Final Inspector	DAMIAN LAM <i>DAMIAN LAM</i>					Stamp

CTS-CDN #004 (0418)

CARRIED FORWARD

TOTAL THIS PAGE	
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER



PT6 ENGINE TEST CERTIFICATE

PT6T -3I-3B1-6

REDUCTION GEARBOX S/N # CP-GB 2393

WORK ORDER NO. CWO1604 / C1115

CUSTOMER C.T.S. BRISTOW

TEST AFTER: OVERHAUL REPAIR NEW

CORRECTED PERFORMANCE

		L.H.	R.H.
SIKORSKY INDEXED	70%	73.7	73.4
SIKORSKY INDEXED	80%	83.0	82.8
BELL INDEXED	40%	37.6	37.8
ZERO INCREMENT ADJUSTMENT DEG.	NEG. - 7.2 DEG.	NEG. - 4.7 DEG.	
SPAN RATIO ADJUSTMENT DEG.	POS. 13.2 DEG.	POS. 12.1 DEG.	
TORQUE INDEX		3.9	2.6
TORQUE TRANSDUCER VALVES		BD	BD
TORQUE TRANSDUCER		86.2	88.1

THIS GEARBOX HAS BEEN TESTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CUSTOMER REQUIREMENTS.

DATE: 01 SEPT 2022

SIGNATURE: DAMIAN LAM


STAMP: 01-26-03

CTS-CDN #003 (0418)




MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task																																																											
				<div style="display: flex; justify-content: space-between;"> <div> <p>Consolidated Turbine Specialist PO Box 596 Bristow, OK 74010 Phone: 918-367-9665 FAA Repair Station # 6CUR212C</p> </div>  </div> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Work Order</th> <th>Model</th> <th>Power Section S/N</th> <th>Condition</th> </tr> </thead> <tbody> <tr> <td>11378</td> <td>PT6T-3B</td> <td>CP-PS-60534</td> <td>Serviceable</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td>Power Section Total Time:</td> <td>6,815.3</td> <td>Power Section TSO:</td> <td>1,923.3</td> </tr> <tr> <td>Starts Since New:</td> <td>3701</td> <td>Flights Since New:</td> <td>4522</td> </tr> <tr> <td>Time Since Last HSI:</td> <td>0.0</td> <td>Time Since Last Repair:</td> <td>0.0</td> </tr> </table> <p style="text-align: center; margin-top: 10px;">Maintenance Release</p> <p><u>Work Accomplished:</u> This unit was to be converted from PT6T-3 to a PT6T-3B</p> <p>Complied with Hot Section Inspection. Complied with 25, 50, 100, 150, 300, 600, 900, 1200, 2000 Hr. 6 & 12 mo. Periodic inspections, excluding any Airframe Requirements. Fuel Nozzle Set was Cleaned, Inspected & Flow Checked.</p> <p>The following Major Components were replaced during this Event:</p> <ul style="list-style-type: none"> Removed Combustion Liner P/N: 3026768 S/N: 193-506 Replaced with P/N: 3026768 S/N: 5L404. Removed CT Shroud Housing P/N: 3026936 Replaced with P/N: 3031157 (S85237) S/N: PWC21802. Removed CT Shroud Segments Qty 9 P/N 3018503 & Replaced with New PMA P/N E3018503 Qty. 9. Hot Section Shroud Housing ID was ground to 8.560. Final Tip Clearance of Hot Section 0.014 Removed CT Vane Ring P/N 3029051 & Replaced with OH P/N 3037251 S/N 8A183 F/C 6.54 Removed CT Blades P/N 3103901 01 Qty 58 ea. & Replaced with OHC P/N 3070121-01 Qty. 58 ea. Removed CT Disc P/N 3013411 S/N A3009, Replaced with P/N 3024211 S/N A002BEBP, CT Disc Assy was ground to OD of 8.523 and Balanced. Final Tip clearance of 0.014. Removed Large Exit Duct P/N 3024470 S/N 1361 & Replaced with OH P/N 3030059 S/N PWC01M1270 Removed Small Exit Duct P/N 3022685 & Replaced with OH P/N 3100591-02 S/N PWC1DLO78. Removed Impeller P/N 3027798 S/N A9824, Replaced with P/N 3027798 S/N TXA1A6528. Removed 3rd Stage Compressor Stator P/N 3027563 S/N 1717 & Replaced with P/N 3121253-01 S/N 6D791. Removed PT blades P/N 3120872-01 Qty 41 ea. & Replaced with O/H P/N 3030102 Qty. 41 ea. <p>This unit has been Inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service. All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60 All other pertinent details are on file at CTS.</p> <p>This Unit Listed above has been Repaired/Inspected/Tested in accordance with current regulations of the Federal Aviation Administration and the work performed is approved to return to service. Pertinent details of the work performed are on file at this agency under the work order number listed above.</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="5" style="text-align: center;">Corrected Engine Performance</th> </tr> <tr> <th></th> <th style="text-align: center;">SHP</th> <th style="text-align: center;">NG</th> <th style="text-align: center;">TS</th> <th style="text-align: center;">SFC</th> </tr> </thead> <tbody> <tr> <td>Rating Take Off:</td> <td style="text-align: center;">970</td> <td style="text-align: center;">38,000</td> <td style="text-align: center;">1,880</td> <td style="text-align: center;">0.611</td> </tr> <tr> <td>Data Plate NG @ 645 SHP:</td> <td style="text-align: center;">645</td> <td style="text-align: center;">35,150</td> <td style="text-align: center;">1,923</td> <td style="text-align: center;">0.628</td> </tr> <tr> <td>Corrected Engine Take off Performance Repair Limit:</td> <td style="text-align: center;">970</td> <td style="text-align: center;">38,250</td> <td style="text-align: center;">1,901</td> <td style="text-align: center;">0.598</td> </tr> <tr> <td>Corrected Engine Take off Performance Overhaul Limit:</td> <td style="text-align: center;">970</td> <td style="text-align: center;">38,100</td> <td style="text-align: center;">1,901</td> <td style="text-align: center;">0.598</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 33%; text-align: center;"> Trim Degrees F 189 </td> <td style="width: 33%; text-align: center;"> Trim Degrees C: 105 </td> <td style="width: 33%; text-align: center;"> PT Vane Cavity / EFA 5510 15.56 </td> </tr> <tr> <td style="text-align: center;"> PT Vane P/N 3024862 </td> <td style="text-align: center;"> PT Vane S/N 6N649 </td> <td style="text-align: center;"> CT Vane Cavity / F/C 551 6.54 </td> </tr> <tr> <td style="text-align: center;"> CT Vane P/N 3037251 </td> <td style="text-align: center;"> CT Vane S/N 8A183 </td> <td></td> </tr> </table> <p style="margin-top: 10px;">Inspector: Douglas Quinn Signature: <i>[Signature]</i> Date: 11/10/2022</p>	Work Order	Model	Power Section S/N	Condition	11378	PT6T-3B	CP-PS-60534	Serviceable	Power Section Total Time:	6,815.3	Power Section TSO:	1,923.3	Starts Since New:	3701	Flights Since New:	4522	Time Since Last HSI:	0.0	Time Since Last Repair:	0.0	Corrected Engine Performance						SHP	NG	TS	SFC	Rating Take Off:	970	38,000	1,880	0.611	Data Plate NG @ 645 SHP:	645	35,150	1,923	0.628	Corrected Engine Take off Performance Repair Limit:	970	38,250	1,901	0.598	Corrected Engine Take off Performance Overhaul Limit:	970	38,100	1,901	0.598	Trim Degrees F 189	Trim Degrees C: 105	PT Vane Cavity / EFA 5510 15.56	PT Vane P/N 3024862	PT Vane S/N 6N649	CT Vane Cavity / F/C 551 6.54	CT Vane P/N 3037251	CT Vane S/N 8A183	
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Signature


AME
ACA/AMO
SCA/AMO

1. Approving Civil Aviation Authority / Country: FAA/ United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag			3. Form Tracking Number: 11378	
4. Organization Name and Address: Consolidated Turbine Specialist LLC 24323 S. 385th W. Ave. Bristow, OK 74010 Repair Station Number: 6CUR212C				5. Work Order/Contract / Invoice Number: 11378		
6. Item		7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1		PT6T-3B	3017600	1	CP-PS-60534	Repaired
12. Remarks: This unit has been Inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service. All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60 Reference CTS Logbook Maintenance entry for details, AD's, SB's, Tests, Life Limited Items and Accessories Installed. All other pertinent details are on file at CTS. TSN: 6,815.3 SSN: 3,701 TSO: 1,923.3 FSN: 4,522 Certifies that the work specified in block 11/12 was carried out in accordance with EASA-145 and in respect to that work the item is considered ready for release to service under EASA Acceptance Certificate Number: EASA 145.6564						
13a. Certifies 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 12.				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
						6CUR212C
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy)		14d. Name (Typed or Printed)		14e. Date (dd/mm/yyyy)
				Douglas Quinn		10/Nov/2022
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/his airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

FAA Form 8130-3 (02 14)

NSN: 0052-00-012-9005

Consolidated Turbine Specialist LLC
Repair Station #: 6CUR212C

Work Order	Model	Power Section S/N	Condition
11378	PT6T 3B	CP-PS-60534	Serviceable
Log Book Cycle Life Limited Component			
Description	Part Number	Serial Number	TSN: TTR Limit CSN TCR Limit
Rear Hub	3018111	6869	7,213.1 7,786.9 15000 6,160 103,840 110,000
2nd Stage Disk	3018312	8408	N/A N/A N/A 4,112 18,388 22,500
3rd Stage Disk	3017713	7924	N/A N/A N/A 3,975 24,025 28,000
Impeller	3027798	TXA1A6528	N/A N/A N/A 23,614 5,386 29,000
CT Disk	3024211	A002BEBP	N/A N/A N/A 7,496 2,504 10,000
PT Disk	3022312	A0001RY4	10,731.1 4,268.9 15,000 16,892 40,108 57,000
CT Blades	3070121-01	Qty: 58	2,161.0 N/A N/A
Log Book Accessories			
Description	Part Number	Serial Number	TSN TSO OH Date Remarks
Flow Divider	3019906	PWB2037	UNK 216.0 UNK
Bleed Valve	3123203-01	16A922	UNK 0.0 10/6/2022
AFCU	3244735-17-15	A84764	UNK 0.0 8/2/2019 installed 10/28/2022
MFCU	3244736-8	A37044	UNK 0.0 9/27/2021
Fuel Pump	025277-300-07	PE8836	UNK 0.0 9/29/2021
Fuel/Oil Heater	10544E	1097	UNK 0.0 7/25/2022
Trim Comp	3045478-01	7Y379	UNK 0.0 9/1/2019
Fuel Nozzle Set	VARIOUS	N/A	UNK 0.0 12/6/2021
Ignition Exciter	10-381550-4	NN98379689	UNK UNK UNK
<small>Airworthiness concerning accessories which exceeds limits IAW P&W appropriate SB's are the responsibility of the operator to maintain</small>			
Service Bulletins Incorporated			
SB 5002	SB 5003	SB 5183	SB 5200 SB 5210 SB 5223 SB 5239 SB 5245 SB 5247
SB 5266	SB 5359	SB 5363	SB 5413 SB 5418 SB 5419 SB 5438 SB 5459 SB 5477
SB 5482	SB 5498	SB 5499	SB 5505 SB 5512 SB 5513 SB 5518 AS490 AS507
Airworthiness Directives Complied With			
FAA AD's	None Applicable		
Canadian AD's	CF-87-14		
EASA AD's	None Applicable		
Inspector:	Douglas Quinn	Signature:	 Date: 11/10/2022

Consolidated Turbine Specialist
 PO Box 596
 Bristow, OK 74010
 Phone: 918-367-9665
 FAA Repair Station # 6CUR212C



Work Order	Model	Power Section S/N	Condition
1378	PT6T-3B	CP-PS-60534	Serviceable
Power Section Total Time:	6,815.3	Power Section TSO:	1,923.3
Starts Since New:	3701	Flights Since New:	4522
Time Since Last HSI:	0.0	Time Since Last Repair	0.0

Maintenance Release

Work Accomplished:

This unit was to be converted from PT6T-3 to a PT6T-3B.

Complied with Hot Section Inspection.

Complied with 25, 50, 100, 150, 300, 600, 900, 1200, 2000 Hr. 6 & 12 mo. Periodic inspections, excluding any Airframe Requirements.
 Fuel Nozzle Set was Cleaned, Inspected & Flow Checked.

The Following Major Components were replaced during this Event:

- Removed Combustion Liner P/N: 3026768 S/N: 193-506 Replaced with P/N: 3026768 S/N: 5L404.
- Removed CT Shroud Housing P/N: 3026936 Replaced with P/N: 3031157 (585237) S/N: PWC21802.
- Removed CT Shroud Segments Qty 9 P/N 3018503 & Replaced with New PMA P/N E3018503 Qty. 9.
- Hot Section Shroud Housing ID was ground to 8.560, Final Tip Clearance of Hot Section 0.014
- Removed CT Vane Ring P/N 3029051 & Replaced with OH P/N 3037251 S/N 8A183 F/C 6.54.
- Removed CT Blades P/N 3103901-01 Qty 58 ea. & Replaced with OHC P/N 3070121-01 Qty. 58 ea.
- Removed CT Disc P/N 3013411 S/N A3009, Replaced with P/N 3024211 S/N A0028EBP, CT Disc Assy was ground to OD of 8.523 and Balanced, Final Tip clearance of 0.014.
- Removed Large Exit Duct P/N 3024470 S/N 1361 & Replaced with OH P/N 3030059 S/N PWC01M1270.
- Removed Small Exit Duct P/N 3022685 & Replaced with OH P/N 3100591-02 S/N PWC10L078.
- Removed Impeller P/N 3027798 S/N A9824, Replaced with P/N 3027798 S/N TXA1A6528.
- Removed 3rd Stage Compressor Stator P/N 3027563 S/N 1717 & Replaced with P/N 3121253-01 S/N 6D791.
- Removed PT blades P/N 3120872-01 Qty 41 ea. & Replaced with O/H P/N 3030102 Qty. 41 ea.

This unit has been Inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service.
 All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60
 All other pertinent details are on file at CTS.

This Unit Listed above has been Repaired/Inspected/Tested in accordance with current regulations of the Federal Aviation Administration and the work performed is approved to return to service. Pertinent details of the work performed are on file at this agency under the work order number listed above.

Corrected Engine Performance

	SHP	NG	TS	SFC
Rating Take Off:	970	38,000	1,880	0.611
Data Plate NG @ 645 SHP:	645	35,150		
Corrected Engine Take off Performance Repair Limit:	970	38250	1,923	0.628
Corrected Engine Take off Performance Overhaul Limit:	970	38,100	1,901	0.598

Trim Degrees F 189	Trim Degrees C: 105		
PT Vane P/N 3024862	PT Vane S/N 6N649	PT Vane Cavity / EFA 5510 15.56	
CT Vane P/N 3037251	CT Vane S/N 8A183	CT Vane Cavity / F/C 551 6.54	

Inspector: Douglas Quinn Signature: *Doug Quinn* Date: 11/10/2022

1. Approving Civil Aviation Authority / Country: FAA/ United States

2. **AUTHORIZED RELEASE CERTIFICATE**
 FAA Form 8130-3, Airworthiness Approval Tag

3. Form Tracking Number: 11378

4. Organization Name and Address:
 Consolidated Turbine Specialist LLC
 24323 S. 385th W. Ave.
 Bristow, OK 74010
 Repair Station Number: 6CUR212C



5. Work Order/Contract / Invoice Number: 11378

6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	PT6T-3B	3017600	1	CP-PS-60534	Repaired

12. Remarks:
 This unit has been inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service.
 All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60
 Reference CTS Logbook Maintenance entry for details, AD's, SB's, Tests, Life Limited Items and Accessories installed.
 All other pertinent details are on file at CTS.

TSN: 6,815.3 SSN: 3,701
 TSO: 1,923.3 FSN: 4,522
 Certifies that the work specified in block 11/12 was carried out in accordance with EASA-145 and in respect to that work the item is considered ready for release to service under EASA Acceptance Certificate Number: EASA 145.6564

13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation
 Non-approved design data specified in Block 12.

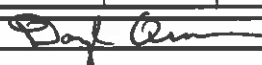
14a 14 CFR 43.9 Return to Service Other regulation specified in Block 12
 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
		<i>Douglas Quinn</i>	6CUR212C
13d. Name (Typed or Printed):	13e. Date (dd/mm/yy)	14d. Name (Typed or Printed)	14e. Date (dd/mm/yy)
		Douglas Quinn	10/Nov/2022


User/Installer Responsibilities
 It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

PT6T Power Section Log Book Release Info

Consolidated Turbine Specialist LLC
 Repair Station #: 6CUR212C

Work Order	Model	Power Section S/N	Condition						
I1378	PT6T-3B	CP-PS-60534	Serviceable						
Log Book Cycle Life Limited Component									
Description	Part Number	Serial Number	TSN:	TTR	Limit	CSN	TCR	Limit	
Rear Hub	3018111	6869	7,213.1	7,786.9	15000	6,160	103,840	110,000	
2nd Stage Disk	3018312	8408	N/A	N/A	N/A	4,112	18,388	22,500	
3rd Stage Disk	3017713	7924	N/A	N/A	N/A	3,975	24,025	28,000	
Impeller	3027798	TXA1A6528	N/A	N/A	N/A	23,614	5,386	29,000	
CT Disk	3024211	A002BEBP	N/A	N/A	N/A	7,496	2,504	10,000	
PT Disk	3022312	A0001RY4	10,731.1	4,268.9	15,000	16,892	40,108	57,000	
CT Blades	3070121-01	Qty: 58	2,161.0	N/A	N/A				
Log Book Accessories									
Description	Part Number	Serial Number	TSN	TSO	OH Date	Remarks			
Flow Divider	3019906	PW82037	UNK	216.0	UNK				
Bleed Valve	3123203-01	16A922	UNK	0.0	10/6/2022				
AFCU	3244735-17-15	A84764	UNK	0.0	8/2/2019	Installed 10/28/2022			
MFCU	3244736-8	A37044	UNK	0.0	9/27/2021				
Fuel Pump	025277-300-07	PE8836	UNK	0.0	9/29/2021				
Fuel/Oil Heater	10544E	1097	UNK	0.0	7/25/2022				
Trim. Comp	3045478-01	7Y379	UNK	0.0	9/1/2019				
Fuel Nozzle Set	VARIOUS	N/A	UNK	0.0	12/6/2021				
Ignition Exciter	10-381550-4	NN98379689	UNK	UNK	UNK				
Airworthiness concerning accessories which exceeds limits IAW P&W appropriate SB's are the responsibility of the operator to maintain									
Service Bulletins Incorporated									
SB 5002	SB 5003	SB 5183	SB 5200	SB 5210	SB 5223	SB 5239	SB 5245	SB 5247	
SB 5266	SB 5359	SB 5363	SB 5413	SB 5418	SB 5419	SB 5438	SB 5459	SB 5477	
SB 5482	SB 5498	SB 5499	SB 5505	SB 5512	SB 5513	SB 5518	A5490	A5507	
Airworthiness Directives Complied With									
FAA AD's	None Applicable								
Canadian AD's	CF-87-14								
EASA AD's	None Applicable								
Inspector:	Douglas Quinn		Signature:				Date:	11/10/2022	

Section 1: Record of engine maintenance and elementary work



Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task																																																											
				<div style="display: flex; justify-content: space-between;"> <div> <p>Consolidated Turbine Specialist PO Box 596 Bristow, OK 74010 Phone: 918-367-9665 FAA Repair Station # 6CUR212C</p> </div> <div style="text-align: right;">  <p>CTS A KHRYSOS Company</p> </div> </div> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Work Order</th> <th>Model</th> <th>Power Section S/N</th> <th>Condition</th> </tr> </thead> <tbody> <tr> <td>I1379</td> <td>PT6T-3B</td> <td>CP-PS 61957</td> <td>Serviceable</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Power Section Total Time:</th> <th>5,678.4</th> <th>Power Section TSO:</th> <th>1,923.3</th> </tr> </thead> <tbody> <tr> <td>Starts Since New:</td> <td>2933</td> <td>Flights Since New:</td> <td>3758</td> </tr> <tr> <td>Time Since Last HSI:</td> <td>0.0</td> <td>Time Since Last Repair:</td> <td>0.0</td> </tr> </tbody> </table> <p style="text-align: center; background-color: #e0f0ff; margin-top: 10px;">Maintenance Release</p> <p><u>Work Accomplished:</u> This unit was converted from PT6T-3 to PT6T-3B.</p> <p>Performed Hot Section Inspection. Complied with 25, 50, 100, 150, 300, 600, 900, 1200, 2000 Hr 6 & 12 Mo. Periodic inspections, excluding any Airframe Requirements Fuel Nozzle Set was Cleaned, Inspected & Flow Checked.</p> <p>The Following Major Components were replaced during this Event: Removed PT blades P/N 3120872-01 Qty 41 ea. & Replaced with OH P/N 3120872-01 Qty. 41 ea. Removed PT Disk P/N 3022312 S/N 2F273 & Replaced with OH P/N 3022312 S/N 5Y384. Removed PT Stator P/N 3024862 S/N 30095 & Replaced with OH P/N 3024862 S/N 1816. Removed CT Disc P/N 3013411 S/N 7E790, Replaced with P/N 3024211 S/N A0002MY1, CT Disc Assy was Ground to OD of 8.510 and Balanced. Final Tip clearance of 0.014. Removed CT blades P/N 3104001-01 Qty 58 ea. & Replaced with OH P/N 3103701-01 Qty. 58 ea. Removed CT Shroud Segments Qty 9 P/N 3018503 & Replaced with New PMA P/N 3018503 Qty 9. Removed CT Shroud Housing P/N 3026936 S/N 137-50 & Installed P/N 3031157 S/N 585237 S/N 120X-32. Removed CT Vane Ring P/N 3029051 S/N 327 F/C 6.21 & Replaced with OH P/N 3037251 S/N 6F313 F/C 6.51. Removed Large Exit Duct P/N 3027098 S/N 170-70 & Replaced with P/N 3030059 S/N 5113-454. Removed Small Exit Duct P/N 3029248 & Replaced with OH P/N 3100591-02 S/N 5052-56.</p> <p>This unit has been Inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service. All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60 <u>All other pertinent details are on file at CTS.</u> This Unit Listed above has been Repaired/Inspected/Tested In accordance with current regulations of the Federal Aviation Administration and the work performed is approved to return to service. Pertinent details of the work performed are on file at this agency under the work order number listed above.</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="5" style="text-align: center;">Corrected Engine Performance</th> </tr> <tr> <th></th> <th>SHP</th> <th>NG</th> <th>T5</th> <th>SFC</th> </tr> </thead> <tbody> <tr> <td>Rating Take Off:</td> <td>970</td> <td>37,900</td> <td>1,855</td> <td>0.582</td> </tr> <tr> <td>Data Plate NG @ 645 SHP:</td> <td>645</td> <td>35,250</td> <td></td> <td></td> </tr> <tr> <td>Corrected Engine Take off Performance Repair Limit:</td> <td>970</td> <td>38,250</td> <td>1,923</td> <td>0.628</td> </tr> <tr> <td>Corrected Engine Take off Performance Overhaul Limit:</td> <td>970</td> <td>38,100</td> <td>1,901</td> <td>0.598</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width:33%; text-align: center;">Trim Degrees F 194</td> <td style="width:33%; text-align: center;">Trim Degrees C: 108</td> <td style="width:33%;"></td> </tr> <tr> <td style="text-align: center;">PT Vane P/N 3024862</td> <td style="text-align: center;">PT Vane S/N 1816</td> <td style="text-align: center;">PT Vane Cavity / EFA VC253 15.29</td> </tr> <tr> <td style="text-align: center;">CT Vane P/N 3037251</td> <td style="text-align: center;">CT Vane S/N 6F313</td> <td style="text-align: center;">CT Vane Cavity / F/C 1051 6.51</td> </tr> </table> <p style="margin-top: 10px;">Inspector: Douglas Quinn Signature: <i>Douglas Quinn</i> Date: 11/10/2022</p>	Work Order	Model	Power Section S/N	Condition	I1379	PT6T-3B	CP-PS 61957	Serviceable	Power Section Total Time:	5,678.4	Power Section TSO:	1,923.3	Starts Since New:	2933	Flights Since New:	3758	Time Since Last HSI:	0.0	Time Since Last Repair:	0.0	Corrected Engine Performance						SHP	NG	T5	SFC	Rating Take Off:	970	37,900	1,855	0.582	Data Plate NG @ 645 SHP:	645	35,250			Corrected Engine Take off Performance Repair Limit:	970	38,250	1,923	0.628	Corrected Engine Take off Performance Overhaul Limit:	970	38,100	1,901	0.598	Trim Degrees F 194	Trim Degrees C: 108		PT Vane P/N 3024862	PT Vane S/N 1816	PT Vane Cavity / EFA VC253 15.29	CT Vane P/N 3037251	CT Vane S/N 6F313	CT Vane Cavity / F/C 1051 6.51
Work Order	Model	Power Section S/N	Condition																																																												
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Signature

AME
ACA/AMO
SCA/AMO

Consolidated Turbine Specialist LLC
Repair Station #: 6CUR212C

Work Order	Model	Power Section S/N	Condition
11379	PT6T-3B	CP-PS 61957	Serviceable
Log Book Cycle Life Limited Component			
Description	Part Number	Serial Number	TSN: TTR Limit CSN TCR Limit
Rear Hub	3018111	SE203	5,678.4 9,321.6 15000 3,346 106,654 110,000
2nd Stage Disk	3018312	SF977	NA NA NA 3,346 19,154 22,500
3rd Stage Disk	3017713	SF910	NA NA NA 3,208 24,792 28,000
Impeller	3032229	18926	NA NA NA 3,208 25,792 29,000
CT Disk	3024211	A002MY1	4,454.6 NA NA 7,503 2,497 10,000
PT Disk	3022312	5Y384	8,686.2 6,313.8 15,000 16,800 40,200 57,000
CT Blades	3103701-01	Qty: 58	NA NA NA
Log Book Accessories			
Description	Part Number	Serial Number	TSN TSO OH Date Remarks
Flow Divider	25536-4	8444	UNK 0.0 7/11/2022
Bleed Valve	3043023CL80	2A775	UNK 0.0 12/20/2021
AFCU	3244735-16	C15534	UNK 0.0 5/20/2022
MFCU	3244736-7	A37515	UNK 3,148.2 UNK
Fuel Pump	025277-300-07	PE5546	UNK 0.0 7/15/2022
Fuel/Oil Heater	10544E	2826	UNK 3,321.8 UNK
Trim Comp	3045478-01	EM0107600	UNK UNK UNK
Fuel Nozzle Set	VARIOUS	N/A	UNK UNK UNK
Ignition Exciter	10381550-4	NNA17460010	UNK 1,479.4 UNK
<small>Airworthiness concerning accessories which exceeds limits IAW P&W appropriate SB's are the responsibility of the operator to maintain</small>			
Service Bulletins Incorporated			
SB 5002	SB 5003	SB 5187	SB 5197 SB 5200 SB 5210 SB 5211 SB 5223 SB 5239
SB 5247	SB 5413	SB 5418	SB 5419 SB 5444 SB 5446 SB 5459 SB 5477 SB 5482
SB 5491	SB 5498	SB 5499	SB 5505 SB 5512 SB 5518 A5490 SB AS500 A5507
Airworthiness Directives Complied With			
FAA AD's	NONE APPLICABLE		
Canadian AD's	CF-87-14	CF-83-04	
EASA AD's	NONE APPLICABLE		
Inspector:	Douglas Quinn	Signature:	Date: 11/10/2022

1. Approving Civil Aviation Authority / Country: FAA/ United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, Airworthiness Approval Tag	3. Form Tracking Number: 11379			
4. Organization Name and Address: Consolidated Turbine Specialist LLC 24323 S. 285th W. Ave. Bristow, OK 74010 Repair Station Number: 6CUR212C		5. Work Order/Contract / Invoice Number: 11379			
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	PT6T-3B	3017600	1	CP-PS 61957	Repaired
12. Remarks: This unit has been inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service. All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60 Reference CTS Logbook Maintenance entry for details, AD's, SB's, Tests, Life Limited Items and Accessories Installed. All other pertinent details are on file at CTS. TSN: 5,678.4 SSN: 2,933 TSO: 1,923.3 FSN: 3,758					
13a. Certify 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 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service		
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:		
			6CUR212C		
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):		
		Douglas Quinn	10/Nov/2022		
User/Installer Responsibilities <small>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. When the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</small>					

1. Approving Civil Aviation Authority / Country: FAA/ United States

AUTHORIZED RELEASE CERTIFICATE
 FAA Form 8130-3, Airworthiness Approval Tag

3. Form Tracking Number:

11379

4. Organization Name and Address:

Consolidated Turbine Specialist LLC
 24323 S. 385th W. Ave.
 Bristow, OK 74010
 Repair Station Number: 6CUR212C



5. Work Order/Contract / Invoice Number:

11379

6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	PT6T-3B	3017600	1	CP-PS 61957	Repaired

12. Remarks:

This unit has been Inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service.
 All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60
 Reference CTS Logbook Maintenance entry for details, AD's, SB's, Tests, Life Limited Items and Accessories Installed.
 All other pertinent details are on file at CTS.

TSN: 5,678.4 SSN: 2,933
 TSO: 1,923.3 FSN: 3,758

13a. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in condition for safe operation
 Non-approved design data specified in Block 12.

14a 14 CFR 43.9 Return to Service Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service
 Other regulation specified in Block 12

13b. Authorized Signature:

13c. Approval/Authorization No.:

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

13e. Date (dd/mm/yy):

14d. Name (Typed or Printed): Douglas Quinn

14e. Date (dd/mm/yy): 10/Nov/2022

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

PT6T Power Section Maintenance Release

Consolidated Turbine Specialist
 PO Box 596
 Bristow, OK 74010
 Phone: 918-367-9665
 FAA Repair Station # 6CUR212C



Work Order	Model	Power Section S/N	Condition
I1379	PT6T-3B	CP-PS 61957	Serviceable
Power Section Total Time:		5,678.4	Power Section TSO: 1,923.3
Starts Since New:		2933	Flights Since New: 3758
Time Since Last HSI:		0.0	Time Since Last Repair: 0.0

Maintenance Release

Work Accomplished:

This unit was converted from PT6T-3 to PT6T-3B.

Performed Hot Section Inspection.

Complied with 25, 50, 100, 150, 300, 600, 900, 1200, 2000 Hr. 6 & 12 Mo. Periodic inspections, excluding any Airframe Requirements.
 Fuel Nozzle Set was Cleaned, Inspected & Flow Checked.

The Following Major Components were replaced during this Event:

- Removed PT blades P/N 3120872-01 Qty 41 ea. & Replaced with OH P/N 3120872-01 Qty. 41 ea.
- Removed PT Disk P/N 3022312 S/N 2F273 & Replaced with OH P/N 3022312 S/N 5Y384.
- Removed PT Stator P/N 3024862 S/N 30095 & Replaced with OH P/N 3024862 S/N 1816.
- Removed CT Disc P/N 3013411 S/N 7E790, Replaced with P/N 3024211 S/N A0002MY1, CT Disc Assy was Ground to OD of 8.510 and Balanced, Final Tip clearance of 0.014.
- Removed CT blades P/N 3104001-01 Qty 58 ea. & Replaced with OH P/N 3103701-01 Qty. 58 ea.
- Removed CT Shroud Segments Qty 9 P/N 3018503 & Replaced with New PMA P/N 3018503 Qty. 9.
- Removed CT Shroud Housing P/N 3026936 S/N 137-50 & Installed P/N 3031157 SB5237 S/N 120X-32.
- Removed CT Vane Ring P/N 3029051 S/N 327 F/C 6.21 & Replaced with OH P/N 3037251 S/N 6F313 F/C 6.51.
- Removed Large Exit Duct P/N 3027098 S/N 170-70 & Replaced with P/N 3030059 S/N 5113-454.
- Removed Small Exit Duct P/N 3029248 & Replaced with OH P/N 3100591-02 S/N 5052-56.

This unit has been Inspected, Repaired, Tested, Preserved, Prepared for storage, and is approved to return to service.

All work C/W IAW P&W OHM P/N 3017043 Rev. 45 / MM P/N 3017042 Rev. 60

All other pertinent details are on file at CTS

This Unit Listed above has been Repaired/Inspected/Tested in accordance with current regulations of the Federal Aviation Administration and the work performed is approved to return to service. Pertinent details of the work performed are on file at this agency under the work order number listed above.

Corrected Engine Performance

	SHP	NG	T5	SFC
Rating Take Off:	970	37,900	1,855	0.582
Data Plate NG @ 645 SHP:	645	35,250		
Corrected Engine Take off Performance Repair Limit:	970	38250	1,923	0.628
Corrected Engine Take off Performance Overhaul Limit:	970	38,100	1,901	0.598

Trim Degrees F
194

Trim Degrees C:
108

PT Vane P/N
3024862

PT Vane S/N
1816

PT Vane Cavity / EFA
VC253 15.29

CT Vane P/N
3037251

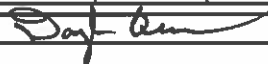
CT Vane S/N
6F313

CT Vane Cavity / F/C
1051 6.51

Inspector: Douglas Quinn Signature: *[Signature]* Date: 11/10/2022

PT6T Power Section Log Book Release Info

Consolidated Turbine Specialist LLC
 Repair Station #: 6CUR212C

Work Order	Model	Power Section S/N				Condition			
I1379	PT6T-3B	CP-PS 61957				Serviceable			
Log Book Cycle Life Limited Component									
Description	Part Number	Serial Number	TSN:	TTR	Limit	CSN	TCR	Limit	
Rear Hub	3018111	5E203	5,678.4	9,321.6	15000	3,346	106,654	110,000	
2nd Stage Disk	3018312	SF977	NA	NA	NA	3,346	19,154	22,500	
3rd Stage Disk	3017713	SF910	NA	NA	NA	3,208	24,792	28,000	
Impeller	3032229	1B926	NA	NA	NA	3,208	25,792	29,000	
CT Disk	3024211	A002MY1	4,454.6	NA	NA	7,503	2,497	10,000	
PT Disk	3022312	5Y384	8,686.2	6,313.8	15,000	16,800	40,200	57,000	
CT Blades	3103701-01	Qty: 58	NA	NA	NA				
Log Book Accessories									
Description	Part Number	Serial Number	TSN	TSO	OH Date	Remarks			
Flow Divider	25536-4	8444	UNK	0.0	7/11/2022				
Bleed Valve	3043023CL80	2A775	UNK	0.0	12/20/2021				
AFCU	3244735-16	C15534	UNK	0.0	5/20/2022	Installed 10/24/2022			
MFCU	3244736-7	A37515	UNK	3,148.2	UNK				
Fuel Pump	025277-300-07	PE5546	UNK	0.0	7/15/2022				
Fuel/Oil Heater	10544E	2826	UNK	3,321.8	UNK				
Trim. Comp	3045478-01	EM0107600	UNK	UNK	UNK				
Fuel Nozzle Set	VARIOUS	N/A	UNK	UNK	UNK				
Ignition Exciter	10381550-4	NNA17460010	UNK	1,479.4	UNK				
Airworthiness concerning accessories which exceeds limits IAW P&W appropriate SB's are the responsibility of the operator to maintain									
Service Bulletins Incorporated									
SB 5002	SB 5003	SB 5187	SB 5197	SB 5200	SB 5210	SB 5211	SB 5223	SB 5239	
SB 5247	SB 5413	SB 5418	SB 5419	SB 5444	SB 5446	SB 5459	SB 5477	SB 5482	
SB 5491	SB 5498	SB 5499	SB 5505	SB 5512	SB 5518	A5490	SB A5500	A5507	
Airworthiness Directives Complied With									
FAA AD's	NONE APPLICABLE								
Canadian AD's	CF-87-14	CF-83-04							
EASA AD's	NONE APPLICABLE								
Inspector:	Douglas Quinn		Signature:				Date:	11/10/2022	