



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

POWER SECTION MODULE LOG BOOK

TC1001185



05/2005

Canada

Section 1: Record of engine maintenance and elementary work

wo: 52338 Engine - page 1 of 1

//STELLAR AVION
Quality nonstop

Stellar Avion - 65A Durley Ave - Camarillo, California 93010 - 8184866792

N860CA **Pratt and Whitney , PT6A-66D, S/N: RV0257**
CYCLES: 1925 HOBBS: 2649.5 **April 20, 2023**

1. Re-installed Engine Model PT6A-66D SN RV0257 after repairs by Standard Aero under Work Order 43-00113 Per Daher MM Chapters 20, 21, 24 28, 71, 76 and Pratt and Whitney PT6A-66D MM. Performed Ops and leak check satisfactory.
2. Performed a post maintenance test flight Per Daher MM Chapter 5.
3. Performed outgoing maintenance borescope of the first stage compressor Per PT6A-66D MM Chapter 72. No change from incoming check

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52338.

Rodrigo Sandoval A&P and IA 2784780 *[Signature]* 04/20/2023

wo: 52401 Engine - page 1 of 1

//STELLAR AVION
Quality nonstop

Stellar Avion - 65A Durley Ave - Camarillo, California 93010 - 8184866792

N860CA **Pratt and Whitney , PT6A-66D, S/N: RV0257**
HOBBS: 2680.9 HOBBS: 2649.5 **May 23, 2023**

1. Removed leaking Garlock seals at engine driven fuel pump and replaced with new parts Per Pratt and Whitney MM PT6A-66D Chapter 72 and Daher MM Chapter 28. Leak check good.
2. Removed leaking seals at engine oil scavenge tubes and replaced with new Per Pratt and Whitney PT6A-66D MM. leak check good.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52401.

Rodrigo Sandoval A&P and IA 2784780 *[Signature]* 05/23/2023

wo: 52474 Engine - page 1 of 2

//STELLAR AVION
Quality nonstop

Stellar Avion - 65A Durley Ave - Camarillo, California 93010 - 8184866792

N860CA **Pratt and Whitney , PT6A-66D, S/N: RV0257**
ETCSN: 2022.0 HOBBS: 2730.7 TTSN : 2730.7 **October 10, 2023**

1. Performed A plus annual inspection using Daher MM Chapter 5-20-03, 5-20-05 and Pratt and Whitney PT6A-66D MM as a reference, Daher checklist meets the requirements per 14 CFR part 43 Appendix D.
2. Performed incoming maintenance borescope of the first stage compressor Per Pratt and Whitney PT6A-66D MM Chapter 72. No defects noted.
3. Collected engine oil sample and sent to Avlab Per P&W PT6A-66D MM Chapter 71. Lab results reflected no issues.
4. Performed 12-month or 200-hr inspection of the fuel pump outlet filter for foreign matter or distortion Per Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.
5. Performed 400-hour clean and flow check of the engine fuel nozzles by removing the fuel nozzles and sending them to Dallas Airmotive under Work Order RPR62688-2, 7 nozzle tips were replaced this visit with overhauled units due to streaking, re-installed fuel nozzles after repairs Per Pratt and Whitney PT6A-66D MM Chapter 73. Leak and function check good.
6. Performed 400-hour borescope of the engine hot section Per Pratt and Whitney PT6A-66D MM Chapter 72. No defects noted at this time.

wo: 52474 Engine - page 2 of 2

//STELLAR AVION
Quality nonstop

Stellar Avion - 65A Durley Ave - Camarillo, California 93010 - 8184866792

7. Accessed leaking starter generator Garlock seal and replaced with new parts Per Daher MM Chapter 24 and Pratt and Whitney MM Chapter 72. Leak check good.
8. Removed mechanical fuel pump Garlock seal and replaced with new Per Pratt and Whitney PT6A-66D Chapter 72 and Daher MM Chapter 28. Leak check good.
9. Removed AGB engine oil scavenge pump transfer tube seals and replaced with new Per Pratt and Whitney PT6A-66D MM 79. Leak check good.
10. Performed C.T Disc desalination and Compressor power recovery wash Per Pratt and Whitney PT6A-66D MM 71.
11. Performed outgoing borescope of the first stage compressor Per Pratt and Whitney PT6A-66D MM Chapter 72. No change from incoming check.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52474.

Rodrigo Sandoval A&P and IA 2784780 *[Signature]* 10/10/2023

wo: 52644 Engine - page 1 of 3

//STELLAR AVION
Quality nonstop

Stellar Avion - 65 Durley Ave, Suite A - Camarillo, California 93010 - 8184866792

N860CA **Pratt and Whitney , PT6A-66D, S/N: RVO257**
AFTT: 3071.1 CYCLES: 2255 HOBBS: 3071.1 **October 13, 2024**

1. Performed B inspection plus annual Per Daher MM Chapter 05-20-04 and 05-20-05 and Pratt and Whitney MM PT6A-66D. All AD's checked through 10-13-2024. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR Appendix D.
2. Performed incoming maintenance borescope of the first stage compressor Per Pratt and Whitney MM Chapter 72. No defects noted.
3. Collected engine oil sample and sent to Avlab per Pratt & Whitney PT6A-66D MM Chapter 71. Lab results reflected no issues.
4. AD 2024-04-51 Second stage power turbine (PT2) blade, does not apply to this engine by blades Total Time since new. No further action required.
5. Pratt and Whitney SB A14575R1 Turboprop engine single-engine application first stage PT blades inspection does not apply to this engine, No work was performed to to the PT1 blades during the affected time period of June 1st 2023 and SB A14575R1 original release date June 13th 2024. No further action required
6. Performed 12-month or 200-hr inspection of the fuel pump outlet filter for foreign matter or distortion Per Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.

10
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Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
				<p>AVEX Inc. C.R.S. X11R595Y Page 3 of 3</p> <p>205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323</p> <p>ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA</p> <p>Work Order: 15206 TTSN: 1812.5 Date: 8/16/2019</p> <p>Tach: Hobbs: 1812.5 TCSN: 1067 TSO: CSO:</p> <p>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. 15206.</p> <p><i>[Signature]</i> 8/16/2019 Date</p> <p>(LBID:15749) For: FAA Approved Repair Station # X11R595Y</p>

wo: 52338	STELLAR AVION Quality nonstop	Engine - page 1 of 1
Stellar Avion · 65A Durley Ave · Camarillo, California 93010 · 8184866792		
N860CA CYCLES: 1924	HOBBS: 2648.7	December 10, 2022
Removed Engine Model PT6A-66D SN RV0257 and sent to Dallas Airmotive for prop-strike inspection and repair Per Daher MM Chapter 71 and Pratt and Whitney PT6A-66D MM.		
With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52338.		
Rodrigo Sandoval A&P and IA 2784780 <i>[Signature]</i> 12/10/2022		



Make/Model: TBM 850
Aircraft S/N: 596
Aircraft Reg: N860CA
Eng S/N: PCE-RV0257
Work Order: RS1091

ACTT: 2054.3
Hobbs: 2054.3
Eng TTSN: 2054.3
Eng TSO: N/A
Eng Cycles: 1521

- Performed PWC PT6A-66D MINOR/ROUTINE periodic inspection items IAW PWC MM 72-00-00 Table 601.
- 72-00-100-801 - Performed engine compressor wash IAW PWC MM 71-00-00.
- 73-10-02-200-802 - Performed fuel pump outlet filter inspection IAW PWC MM 72-00-00. Replaced fuel pump outlet filter with new P/N 3059779-01 IAW PWC MM 73-10-02.
- 73-10-07-960-801 - Replaced P3 filter with new P/N 3059788-01 IAW PWC MM 73-10-07.
- 74-10-00-200-801 - Performed ignition exciter inspection IAW PWC MM 74-10-00. No defects noted.
- 74-20-00-200-801 - Performed ignition cables inspection IAW PWC MM 74-20-00. No defects noted.
- 74-20-00-200-802 - Performed spark igniters inspection IAW PWC MM 74-20-00. No defects noted.
- 74-20-00-710-801 - Performed spark igniters operational test IAW PWC MM 74-00-00. Operational check satisfactory.
- 79-20-00-200-802 - Performed accessory gearbox internal scavenge pump inlet screen inspection. No defects noted.
- 79-20-02-710-801 - Performed chip detector operational test IAW PWC MM 72-10-00. Operational check satisfactory.
- Inspected and cleaned oil filter IAW PWC MM 79-20-02. No defects noted.
- Performed maintenance run-up checks IAW TBM MM 05-12-01.
- AD research completed through FAA Biweekly 2020-18. See separate compliance record for details.

Unless otherwise noted, all work was performed in accordance with TBM 850 Maintenance Manual Rev20 dated December 2020, and PWC Maintenance Manual P/N 30070902 Rev18.1, dated 7/27/17.

I certify this ENGINE has been inspected in accordance with an ANNUAL / B+ inspection IAW the TBM 850 Standard Program B inspection checklist chapter 05-20-03 and TBM 850 1-year Special Checks chapter 05-20-05 and was determined to be in airworthy condition.

The aircraft and/or component identified above was inspected and/or repaired in accordance with current Federal Aviation Regulations and is approved for return to service for the work performed. Pertinent details are on file at this agency under the work order listed above.

[Signature]
Signature
FAA CRS# QX0R525C

[Stamp]
Stamp

9/11/20
Date

StandardAero		CRS# U8TR793Y; EASA# 145.5299						
600 E. Dallas Road, Suite 400, Grapevine, TX 76051								
Manufacturer:	Pratt & Whitney Canada	Model No:	PT6A-66D					
Description:	Engine Assembly, Complete	Serial No:	PCE-RV0257					
TSN:	2648.7	CSN:	1924					
		TSO:	N/A					
		CSO:	N/A					
LCF PARTS ACCESSED THIS VISIT								
Part Description	P/N Removed	S/N Removed	TSN	CSN	P/N Installed	S/N Installed	TSN	CSN
1ST Stage PT Disk	3037312	A0030K7	2648.7	1924	3037312	A0030K7	2648.7	1924
2ND Stage PT Disk	3037313	YUAA007A091	2648.7	1924	3037313	YUAA007A091	2648.7	1924
<p>Details of work performed: Engine inspected for Sudden Stoppage. Following parts repaired or replaced: Repaired Inlet Case P/N: 3114545-01 S/N: Z545KK-10, Repaired Accessory Gearbox P/N: 3074449-01 S/N: 2822XR21. Minor F.O.D. on 1st stage leading edge dressed and returned to original finish, (1) each Chip Detector with (1) each New P/N: 3045951-02 S/N: ABAG464, (1) each Chip Detector with New P/N: 3045951-02 S/N: ABAG462, (2) each igniter plugs with New P/N: CH34055B, (1) each Oil Filter with New P/N: 3059258-01, (1) each Fuel Filter with New P/N: 3070220-01, (1) each Scavenge Pump Main Housing with Overhaul P/N: 3108781-01, (1) each #6 Thrust Bearing with New P/N: 33072721-01 S/N: BB0382378, (1) each Propeller Shaft with New P/N: 3078250-01 S/N: EAAF000L246 incorporating SB14500, (1) each #5 Bearing with New P/N: 3028007 S/N: BB0385617, (1) each Power Turbine Vane Retaining with New P/N: 3117607-01, Overhauled (1) each PT Stator Vane Ring Assemble P/N: 3040972CL01 S/N: ERRDB01 EFA: 23.16, (1) Each PT Stator Air Seal with New P/N: 3116368-01, (1) each Power Turbine Nut with New P/N: 3029885, (47) each 1st Stage Power Turbine Blades P/N: 3122972-01 with New P/N: 3122972-01, (43) each 2nd Stage Power Turbine Blades with New P/N: 3056693-01, (1) each Interstage Stator Air Seal with New P/N: 3023682, Overhauled (1) each Propeller Governor P/N: 8210-007-01 S/N: 17358829, (1) each PT Stator Seal Retainer with New P/N: 3117607-01, Repaired (1) each Exhaust Duct P/N: 3043919-01 S/N: RWA24D544, (1) each Spanner Nut with New P/N: 3071419-01, (1) each 2nd Stage Sun Gear with New P/N: 3023250 S/N: PKAAA995166, (1) each Thrust Bearing Cover with Overhaul P/N: 3024673, (1) each Guide Pin Reversing Lever Bracket with New P/N: 3011543, (1) each #3 & #4 Oil Pressure Transfer Tube with New P/N: 3134379 Pressure Tube incorporating SB 14546, NDI (1) each 1ST Stage PT Disk P/N: 3037312 S/N: A0030K7, NDI (1) each 2ND Stage PT Disk P/N: 3037313 S/N: YUAA007A091. Engine Assembled and tested at DAL. Short term preserved engine. All work accomplished in accordance with the Pratt & Whitney Canada PT6A-66D Maintenance Manual 3070902, Revision 23.0, Dated October 10, 2022 and Overhaul Manual 3070903, revision 19.0, Dated August 01, 2022.</p> <p>Note: Installer must depreserve engine, perform documented satisfactory engine performance runs and leak check before returning engine to service</p>								
Pertinent details of this repair are on file at this repair station under work order: 43-00113.								
The aircraft, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service with respect to the work performed.								
AUTHORIZED BY (PRINT):			SIGNATURE:			DATE:		
Nathaniel Sedore			<i>[Signature]</i>			March 29, 2023		

AME
A/AMO
A/AMO

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
<p>AVEX Inc. C.R.S. X11R595Y 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA Work Order: 14289 TTSN: 1812.5 Date: 8/22/2018 Tach: Hobbs: 1569.7 TCSN: 1067 TSO: CSO:</p>				
<p>1. 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. 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. 14289.</p>				
<p style="text-align: right;"><i>Byron D. Gray</i> 8/22/18 Date</p> <p style="text-align: center;">For: FAA Approved Repair Station # X11R595Y</p>				

(LBID:14548)

N860CA S/N: 596 Socata TBM 700

Date: 12-30-2018 TT: 1650.0 Hobbs: 1650.0 cycles: 985

Annual A+ inspection completed IAW Socata MM 05-20-02.

Compressor wash cleaned oil filter, Run ground check - good.

I certify that this Engine has been inspected in accordance with an A+ annual inspection and was determined to be in an Airworthy condition.

Return to service.

W.J. Richards, *[Signature]* A: P276757IA

AVEX Inc.

C.R.S. X11R595Y

Page 1 of 3

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

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA

Work Order: 15206 TTSN: 1812.5 Date: 8/16/2019

Tach: Hobbs: 1812.5 TCSN: 1067 TSO: CSO:

1. Complied with a "C" inspection plus annual I.A.W. Daher MM Chapter 05-20-04, 05-20-05 and Pratt and 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 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 hot section inspection by; the removal of the following hot section components: outer liner P/N 3055663-01, S/N RWA26D604, inner liner P/N 3116790-01, S/N RWA31D056, CT disc assembly P/N 3053975-01, S/N YUAA008A274, small exit duct P/N 3071016-01 S/N N/A, and sent to Pratt and Whitney per APO 11360 for inspection. installed outer liner P/N 3055663-01, S/N RWA26D604, inner liner P/N 3116790-01, S/N RWA31D056, CT disc assembly P/N 3053975-01, S/N YUAA008A274, small exit duct P/N 3071016-01, S/N N/A, measured CT disc radial tip clearance of 0.018, installed repaired fuel nozzles and sheaths, inspected PT housing, disc, inspected and tested T5 thermocouples and sensing system, inspected RGB oil strainer and chip detector. All work performed I.A.W. Pratt and Whitney MM Chapter 72-00-00, section 11. Pre and post engine performance run data collected and on file with this work order.
5. Complied with 400 hour cleaning and flow check of the fuel nozzles I.A.W. Pratt and Whitney MM Chapter 73. Leak and Op checks good.
6. 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.
7. Complied with 1000 hour replacement of the engine oil filter with new I.A.W. Pratt and Whitney PT6A-64/66D MM Chapter 72. Leak checks good.

AME
ACA/AMO
SCA/AMO

AVEX Inc.

C.R.S. X11R595Y

Page 2 of 3

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

ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA

Work Order: 15206 TTSN: 1812.5 Date: 8/16/2019

Tach: Hobbs: 1812.5 TCSN: 1067 TSO: CSO:

8. Removed AGB tach generator garlock seal and replaced with new I.A.W. Pratt and Whitney MM Chapter 72. Leak checks good.
9. Removed o-rings on oil to fuel heater inlet transfer tube and replaced with new I.A.W. Pratt and Whitney MM Chapter 73. Leak checks good.
10. Removed RGB tach generator garlock seal and replaced with new I.A.W. Pratt and Whitney MM Chapter 72. Leak checks good.
11. Adjusted max reverse prop RPM I.A.W. Pratt and Whitney MM Chapter 71. Op checks good.
12. Adjusted max torque I.A.W. Pratt and Whitney MM Chapter 71. Op checks good.
13. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79.
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. Blended first stage compressor blades I.A.W. Pratt & Whitney PT6A-66D MM. Chapter 72.
16. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.
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 blend and post maintenance inspections.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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WO# 459506 Date: 12/4/2012
 Reg# N860CA Eng. SN: PCE-RV0257
 Hobbs: 250.2
 ETT: 250.2 ETC: 180



Elliott Aviation of Minneapolis, Inc.
 Flying Cloud Airport
 13801 Pioneer Trail
 Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection

- * Annual inspection completed in accordance with the 300 hr inspection guide and the special checks guide from the Socata TBM850 maintenance manual.

Special Inspection

- * Performed Special Inspection #46 - Chip Detector ops test. No discrepancies noted at this time.

I certify this Engine has been inspected in accordance with a 300 HR / Annual Inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459506.

Signed Nathan Ballard for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 459660 Date: 4/24/2013
 Reg# N860CA Eng. SN: PCE-RV0257
 Hobbs: 352.4
 ETT: 352.4 ETC: 237



Elliott Aviation of Minneapolis, Inc.
 Flying Cloud Airport
 13801 Pioneer Trail
 Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection

- * Completed a 100 hr inspection in accordance with the 100 hr inspection guide from the Socata TBM 850 maintenance manual.

I certify this Engine has been inspected in accordance with a 100Hour Inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459660.

Signed Nathan Ballard for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 459871 Date: 10/9/2013
 Reg# N860CA Eng. SN: PCE-RV0257
 Hobbs: 458.8



Elliott Aviation of Minneapolis, Inc.
 Flying Cloud Airport
 13801 Pioneer Trail
 Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection

- * Completed a 100 hour inspection in accordance with the 100 hr inspection guide and the special checks guide from the Socata TBM 850 maintenance manual.

I certify this Engine has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed Tom Kortisses for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 459942 Date: 1/13/2014
 Reg# N860CA Eng. SN: PCE-RV0257
 Hobbs: 509.5
 ETT: 508.5 ETC: 379



Engine Log Entry

Elliott Aviation of Minneapolis, Inc.
 Flying Cloud Airport
 13801 Pioneer Trail
 Eden Prairie, MN 55347-2617

Inspection

- * C+ Check/Annual Inspection completed in accordance with the "C" Inspection Guide and Special Checks Guide from the Socata TBM 850 maintenance manual.

Special Inspection

- * Performed Special Check #37 - Engine Compressor Wash and CT Rinse
- * Performed Special Check #39 - Fuel Pump Inlet Screen 600 Hour Cleaning and Inspection. No discrepancies noted at this time.
- * Performed Special Check #40 - Fuel Pump Outlet Filter 600 Hour Replacement.

I certify this Engine has been inspected in accordance with a C+ inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459492.

Signed Nathan Ballard for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 460379 Date: 1/30/2015
 Reg# N860CA Eng. SN: PCE-RV0257
 Hobbs: 675.6
 ETT: 674.5 ETC: 496



Engine Log Entry

Elliott Aviation of Minneapolis, Inc.
 Flying Cloud Airport
 13801 Pioneer Trail
 Eden Prairie, MN 55347-2617

Inspection

- * Completed a A+ / Annual Inspection in accordance with TBM 850 maintenance manual standard program "A" Inspection, Special checks and FAR 43 appendix D.

Special Inspection

- * Complied with Special Check #45 - 200 Hour Compressor Wash and CT Rinse. No defects noted.
- * Complied with Special Check #52 - 1 Year Chip Detector Inspection. No defects noted.
- * Complied with Special Check #43 and #46 - 400 Hour Engine HSI Borescope and Fuel Nozzle Flow Check. No defects noted.

Service Bulletin

- * Complied with PWC Cat 3 SB 14473 R2 - Torque Limiter Inspection. No defects noted.
- * PWC SB 14357 R4 - Fuel Nozzle Assembly is not applicable due to S/N RV0257 not listed in Section 1A and tip date codes not listed in SB. No further action taken.
- * Complied with PWC Cat 3 SB - 14495 - Fuel Nozzle Tip Inspection by installation of overhauled Nozzle Tips P/N 3038495 by Delevan Inc., Carrol IA, 51401, CRS# KTZD964K, dated 01/19/15, under OW# 376298. Flow check and leak check accomplished referencing 73-11-05. No defects noted. Operational check of engine satisfactory.

I certify this Engine has been inspected in accordance with an annual/100 hour inspection, using a checklist that meets the requirements of 14CFR, Part 43, Appendix D, and was determined to be in airworthy condition. Details are on file at this repair station under the referenced work order 460379.

Signed David Nelson for Elliott Aviation of Minneapolis, Inc. KX5R005N

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
15 MAY 2011	0.0	0.0	0	New engine final acceptance test completed satisfactorily and is in condition for safe operation.
6 sept 2011	1 ^h 40			
8 sept 2011	3 ^h 15	0.0	1	Vol d'essai constructeur
14 sept 2011	4 ^h 15	0.0	2	
21 sept 2011	4 ^h 55	0.0	3	
6 oct. 2011	5 ^h 40	0.0	4	
20 oct. 2011	6 ^h 20	0.0	5	
3 novembre 2011	7 ^h 05	0.0	6	
4 novembre 2011	7 ^h 55	0.0	7	
		0.0	8	

Arrêté présent livret à la SOCATA
le 4/11/11 au total de 7455
Visa du Département Qualité



This Power Section module is combined with Gas Generator.
S/N: PCE- RVO257
NG/Ø 34500 RPM, at 850 SHP / Ø
ITT Trim: 20.8 C°
T5 Trim resistance: 48.8 Ohms

M. VANMAANEN

617

T.C. 4-59
NO. 039

DAHER-SOCATA
SOCATA
Agrément de Production
FR - 21G - 0027

SOCATA - DEPARTEMENT QUALITE
VERIFICATION et ENTRETIEN STOCKAGE

WO# 459206 Date: 2/28/2012
Reg# N860CA Eng. SN: PS-RV0257
Hobbs: 105.9
ETT: 105.9 ETC: 61



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection
* Completed a First 100 hr inspection in accordance with the "first 100 hr" and the 100 hr inspection guides from the Socata TBM850 maintenance manual, rev 6

I certify this Engine has been inspected in accordance with a FIRST 100 hr Inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459206.

Signed Thomas Kortisses for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 459414 Date: 8/30/2012
Reg# N860CA Eng. SN: PS-RV0257
Hobbs: 194.9
ETT: 194.9 ETC: 142



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection
* 100 hour inspection completed in accordance with the 100 hr inspection guide and the special checks guide from the Socata TBM 850 maintenance manual.

Special Inspection
* Performed Special Inspection #40 - Engine Compressor Wash.

I certify this Engine has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459414.

Signed David Nelson for Elliott Aviation of Minneapolis, Inc. KX5R005N

Volume #: 1

Opened on: 15 MAY 2011

ENGINE DETAILS

1. Manufacturer **Pratt & Whitney Canada Corp.**
2. Type/Model/Series - E.T.C. E- 21 PT6A- 66D BIS: 1198
3. Serial Number PS- RVO257



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

GAS GENERATOR MODULE LOG BOOK

TC1001185



05/2005

Canada

Quality nonstop

Stellar Avion · 65 Durley Ave, Suite A · Camarillo, California 93010 · 8184866792

N860CA

AFTT: 3071.1

Pratt and Whitney, PT6A-66D, S/N: RVO257
CYCLES: 2255

HOBBS: 3071.1

October 13, 2024

1. Performed B inspection plus annual Per Daher MM Chapter 05-20-04 and 05-20-05 and Pratt and Whitney MM PT6A-66D. All AD's checked through 10-13-2024. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR Appendix D.
2. Performed incoming maintenance borescope of the first stage compressor Per Pratt and Whitney MM Chapter 72. No defects noted.
3. Collected engine oil sample and sent to Avlab per Pratt & Whitney PT6A-66D MM Chapter 71. Lab results reflected no issues.
4. AD 2024-04-51 Second stage power turbine (PT2) blade, does not apply to this engine by blades Total Time since new. No further action required.
5. Pratt and Whitney SB A14575R1 Turboprop engine single-engine application first stage PT blades inspection does not apply to this engine, No work was performed to to the PT1 blades during the affected time period of June 1st 2023 and SB A14575R1 original release date June 13th 2024. No further action required
6. Performed 12-month or 200-hr inspection of the fuel pump outlet filter for foreign matter or distortion Per Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.

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7. Performed 400-hour clean and flow check of the engine fuel nozzles by removing the fuel nozzles, sent out to Standard Aero WO#44-01683, and re-installed nozzles after clean and flow check, 4 nozzle tips were replaced this visit with overhauled assy due to streaking Per Pratt and Whitney MM Chapter 73. Leak and function check good.
8. Performed 400-hour borescope of the engine hot section Per Pratt and Whitney PT6A-66D MM Chapter 72. No defects noted at this time.
9. Performed 1000-hour replacement of the P3 filter Per Pratt and Whitney MM Chapter 73.
10. Removed leaking Garlock seal at standby-by alternator/ac compressor drive pulley and replaced seals with new parts Per Daher MM Chapter 24 and Pratt and Whitney PT6A-66D MM. Leak check good.
11. Protected the engine inlet hardware with corrosion X Per Pratt and Whitney PT6A-66D MM Chapter 71.
12. Removed leaking seals at engine oil scavenge pump and rebuilt with new seals Per Pratt and Whitney PT6A-66D MM 71. Leak check good.
13. Removed leaking oil to fuel heater drain plug seal and replaced with new seal and re-safetied Per Pratt & Whitney PT6A-66D MM Chapter 73. Leak check good.

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14. Removed leaking Garlock seal at NG tach generator and replaced with new parts Per Pratt and Whitney PT6A-66D MM. Leak check good.
15. Removed leaking garlock seal at engine driven fuel pump and replaced with new parts Per Pratt and Whitney PT6A-66D MM. Leak check good.
16. Performed C.T Disc desalination and Compressor power recovery wash Per Pratt and Whitney PT6A-66D MM 71.
17. Performed outgoing borescope of the first stage compressor Per Pratt and Whitney MM Chapter 72. No change from incoming check.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52644.


Rodrigo Sandoval A&P and IA 2784780



16/13/2024

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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StandardAero
600 E. Dallas Road, Suite 400, Grapevine, TX 76051

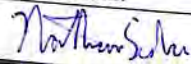
StandardAero
CRS# U8TR793Y; EASA# 145.5299

Manufacturer:	Pratt & Whitney Canada	Model No:	PT6A-66D	Work Order:	43-00113
Description:	Engine Assembly, Complete	Serial No:	PCE-RV0257	Order/Task:	1706/1
TSN:	2648.7	CSN:	1924	TSO:	N/A
				CSO:	N/A

LCF PARTS ACCESSED THIS VISIT								
Part Description	P/N Removed	S/N Removed	TSN	CSN	P/N Installed	S/N Installed	TSN	CSN
1ST Stage PT Disk	3037312	A0030K7	2648.7	1924	3037312	A0030K7	2648.7	1924
2ND Stage PT Disk	3037313	YUAA007A091	2648.7	1924	3037313	YUAA007A091	2648.7	1924


Details of work performed: Engine inspected for Sudden Stoppage. Following parts repaired or replaced: Repaired Inlet Case P/N: 3114545-01 S/N: Z545KK-10, Repaired Accessory Gearbox P/N: 3074449-01 S/N: 2822XR21. Minor F.O.D. on 1st stage leading edge dressed and returned to original finish, (1) each Chip Detector with (1) each New P/N: 3045951-02 S/N: ABAG464, (1) each Chip Detector with New P/N: 3045951-02 S/N: ABAG462, (2) each igniter plugs with New P/N: CH34055B, (1) each Oil Filter with New P/N: 3059258-01, (1) each Fuel Filter with New P/N: 3070220-01, (1) each Scavenge Pump Main Housing with Overhaul P/N: 3108781-01, (1) each #6 Thrust Bearing with New P/N: 33072721-01 S/N: BB0382378, (1) each Propeller Shaft with New P/N: 3078250-01 S/N: EAAF000L246 incorporating SB14500, (1) each #5 Bearing with New P/N: 3028007 S/N: BB0385617, (1) each Power Turbine Vane Retaining with New P/N: 3117607-01, Overhauled (1) each PT Stator Vane Ring Assemble P/N: 3040972CL01 S/N: ERRDB01 EFA: 23.16, (1) Each PT Stator Air Seal with New P/N: 3116368-01, (1) each Power Turbine Nut with New P/N: 3029885, (47) each 1st Stage Power Turbine Blades P/N: 3122972-01 with New P/N: 3122972-01, (43) each 2nd Stage Power Turbine Blades with New P/N: 3056693-01, (1) each Interstage Stator Air Seal with New P/N: 3023682, Overhauled (1) each Propeller Governor P/N: 8210-007-01 S/N: 17358829, (1) each PT Stator Seal Retainer with New P/N: 3117607-01, Repaired (1) each Exhaust Duct P/N: 3043919-01 S/N: RWA24D544, (1) each Spanner Nut with New P/N: 3071419-01, (1) each 2nd Stage Sun Gear with New P/N: 3023250 S/N: PKAAA995166, (1) each Thrust Bearing Cover with Overhaul P/N: 3024673, (1) each Guide Pin Reversing Lever Bracket with New P/N: 3011543, (1) each #3 & #4 Oil Pressure Transfer Tube with New P/N: 3134379 Pressure Tube incorporating SB 14546, NDI (1) each 1ST Stage PT Disk P/N: 3037312 S/N: A0030K7, NDI (1) each 2ND Stage PT Disk P/N: 3037313 S/N: YUAA007A091. Engine Assembled and tested at DAI. Short term preserved engine. All work accomplished in accordance with the Pratt & Whitney Canada PT6A-66D Maintenance Manual 3070902, Revision 23.0, Dated October 10, 2022 and Overhaul Manual 3070903, revision 19.0, Dated August 01, 2022.
Note: Installer must depreserve engine, perform documented satisfactory engine performance runs and leak check before returning engine to service

Pertinent details of this repair are on file at this repair station under work order: 43-00113.
The aircraft, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service with respect to the work performed.

AUTHORIZED BY (PRINT): Nathaniel Sedore	SIGNATURE: 	DATE: March 29, 2023
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Engine - page 1 of 1

wo: 52401



Quality nonstop
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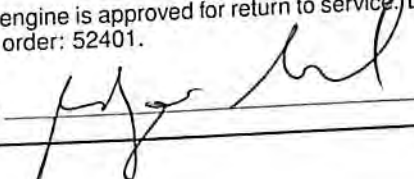
N860CA
HOBBS: 2680.9

Pratt and Whitney , PT6A-66D, S/N: RV0257

May 23, 2023


- Removed leaking Garlock seals at engine driven fuel pump and replaced with new parts Per Pratt and Whitney MM PT6A-66D Chapter 72 and Daher MM Chapter 28. Leak check good.
- Removed leaking seals at engine oil scavenge tubes and replaced with new Per Pratt and Whitney PT6A-66D MM. leak check good.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52401.

Rodrigo Sandoval A&P and IA 2784780  05/23/2023

Engine - page 1 of 2

wo: 52474



Quality nonstop
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N860CA
ETCSN: 2022.0


Pratt and Whitney , PT6A-66D, S/N: RV0257

October 10, 2023

- Performed A plus annual inspection using Daher MM Chapter 5-20-03, 5-20-05 and Pratt and Whitney PT6A-66D MM as a reference, Daher checklist meets the requirements per 14 CFR part 43 Appendix D.
- Performed incoming maintenance borescope of the first stage compressor Per Pratt and Whitney PT6A-66D MM Chapter 72. No defects noted.
- Collected engine oil sample and sent to Avlab Per P&W PT6A-66D MM Chapter 71. Lab results reflected no issues.
- Performed 12-month or 200-hr inspection of the fuel pump outlet filter for foreign matter or distortion Per Pratt and Whitney PT6A-66D MM Chapter 73. No defects noted.
- Performed 400-hour clean and flow check of the engine fuel nozzles by removing the fuel nozzles and sending them to Dallas Airmotive under Work Order RPR62688-2, 7 nozzle tips were replaced this visit with overhauled units due to streaking, re-installed fuel nozzles after repairs Per Pratt and Whitney PT6A-66D MM Chapter 73. Leak and function check good.
- Performed 400-hour borescope of the engine hot section Per Pratt and Whitney PT6A-66D MM Chapter 72. No defects noted at this time.

Engine - page 2 of 2

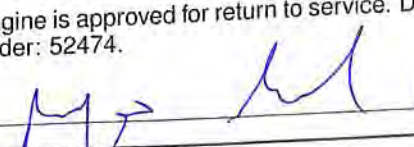
wo: 52474



Quality nonstop
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- Accessed leaking starter generator Garlock seal and replaced with new parts Per Daher MM Chapter 24 and Pratt and Whitney MM Chapter 72. Leak check good.
- Removed mechanical fuel pump Garlock seal and replaced with new Per Pratt and Whitney PT6A-66D Chapter 72 and Daher MM Chapter 28. Leak check good.
- Removed AGB engine oil scavenge pump transfer tube seals and replaced with new Per Pratt and Whitney PT6A-66D MM 79. Leak check good.
- Performed C.T Disc desalination and Compressor power recovery wash Per Pratt and Whitney PT6A-66D MM 71.
- Performed outgoing borescope of the first stage compressor Per Pratt and Whitney PT6A-66D MM Chapter 72. No change from incoming check.


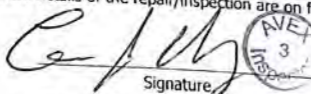
With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Stellar Avion under work order: 52474.

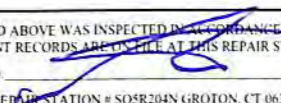
Rodrigo Sandoval A&P and IA 2784780  10/10/2023

ME
'AMO
'AMO

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
 Page 1 of 2				
C.R.S X1IR595Y 205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188 Fax: (805) 389-3323				
N860CA Work Order No: MXCA237 September 24, 2021				
Engine MFR: Pratt & Whitney Model: PT6A-66D SN: RV0257 HOBBS: 2,315.80 TSN: 2,315.80 TSO: CSN: 1,729.00 CSO:				
Complied with a "A" inspection plus annual in reference to Daher MM Chapter 05-20-02 05-20-05, Pratt and Whitney PT6A-66D. All AD's checked through revision 2021-19; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.				
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.				
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.				
Complied with the 400 hour clean and flow check of the engine fuel nozzles by the installation of overhauled fuel nozzles I.A.W. Pratt and Whitney PT6A-66D MM Chapter 73. Operational and leak check good.				
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 C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71.				
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.				


 Page 2 of 2				
C.R.S X1IR595Y 205 Durley Ave Suite A Camarillo, CA 93010 Phone: (805)389-1188 Fax: (805) 389-3323				
N860CA Work Order No: MXCA237 September 24, 2021				
Engine MFR: Pratt & Whitney Model: PT6A-66D SN: RV0257 HOBBS: 2,315.80 TSN: 2,315.80 TSO: CSN: 1,729.00 CSO:				
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.				
Found ITT exceedance on 09/11/2020 for 879C for 2 seconds plus the 5 second grace period for a total of 7 seconds above 870C. This was during transition and per the P&W ITT exceedance chart this requires a logbook entry only. No other action needed.				
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. MXCA237.				
Signature:  Date: 9/24/2021 For: FAA Approved Repair Station # C.R.S X1IR595Y				


Engine		Columbia Air Services, Inc.		Page 1 of 1
A/C REG: <u>N860CA</u>		A/C S/N: <u>596</u>		
DATE: <u>7/26/22</u>	A/C TOTAL TIME: <u>2503.6</u>	HOUR METER: <u>2503.6</u>		
W/O NO: <u>MWO-22-6980</u>	ENGINE TOTAL TIME: <u>2503.6</u>	S.M.O.H.		
I. Removed and replaced stand-by generator belt with new, P/N: 7133601710. Operational check satisfactory. Work performed in accordance with Daher TBM 850/900 M.M. chapter 24-30-05 -----END-----				
THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION. PERMANENT RECORDS ARE ON FILE AT THIS REPAIR STATION UNDER W/O # <u>MWO-22-6980</u> DATE <u>7/26/22</u> SIGNED  FOR Columbia Air Services, Inc. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340				

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
AVEX Inc. C.R.S. X11R595Y Page 1 of 3 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA Work Order: 15206 TTSN: 1812.5 Date: 8/16/2019 Tach: Hobbs: 1812.5 TCSN: 1067 TSO: CSO:				
				1. Complied with a "C" inspection plus annual I.A.W. Daher MM Chapter 05-20-04, 05-20-05 and Pratt and 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 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 hot section inspection by: the removal of the following hot section components: outer liner P/N 3055663-01, S/N RWA26D604, inner liner P/N 3116790-01, S/N RWA31D056, CT disc assembly P/N 3053975-01, S/N YUAA008A274, small exit duct P/N 3071016-01 S/N N/A, and sent to Pratt and Whitney per APO 11360 for inspection, installed outer liner P/N 3055663-01, S/N RWA26D604, inner liner P/N 3116790-01, S/N RWA31D056, CT disc assembly P/N 3053975-01, S/N YUAA008A274, small exit duct P/N 3071016-01, S/N N/A, measured CT disc radial tip clearance of 0.018, installed repaired fuel nozzles and sheaths, inspected PT housing, disc, inspected and tested T5 thermocouples and sensing system, inspected RGB oil strainer and chip detector. All work performed I.A.W. Pratt and Whitney MM Chapter 72-00-00, section 11, Pre and post engine performance run data collected and on file with this work order. 5. Complied with 400 hour cleaning and flow check of the fuel nozzles I.A.W. Pratt and Whitney MM Chapter 73. Leak and Op checks good. 6. 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. 7. Complied with 1000 hour replacement of the engine oil filter with new I.A.W. Pratt and Whitney PT6A-64/66D MM Chapter 72. Leak checks good.

AVEX Inc. C.R.S. X11R595Y Page 2 of 3 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA Work Order: 15206 TTSN: 1812.5 Date: 8/16/2019 Tach: Hobbs: 1812.5 TCSN: 1067 TSO: CSO:				
				8. Removed AGB tach generator garlock seal and replaced with new I.A.W. Pratt and Whitney MM Chapter 72. Leak checks good. 9. Removed o-rings on oil to fuel heater inlet transfer tube and replaced with new I.A.W. Pratt and Whitney MM Chapter 73. Leak checks good. 10. Removed RGB tach generator garlock seal and replaced with new I.A.W. Pratt and Whitney MM Chapter 72. Leak checks good. 11. Adjusted max reverse prop RPM I.A.W. Pratt and Whitney MM Chapter 71. Op checks good. 12. Adjusted max torque I.A.W. Pratt and Whitney MM Chapter 71. Op checks good. 13. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-66D MM 79. 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. Blended first stage compressor blades I.A.W. Pratt & Whitney PT6A-66D MM, Chapter 72. 16. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-66D MM Chapter 71. 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 blend and post maintenance inspections

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
AVEX Inc. C.R.S. X11R595Y Page 3 of 3 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA Work Order: 15206 TTSN: 1812.5 Date: 8/16/2019 Tach: Hobbs: 1812.5 TCSN: 1067 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. 15206.	 Date: 8/16/2019 For: FAA Approved Repair Station # X11R595Y	
				(LBID:15749)		



TO KEEP YOU FLYING

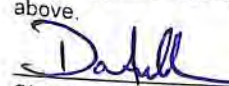
Make/Model:	TBM 850	ACTT:	<input checked="" type="checkbox"/>	2054.3
Aircraft S/N:	596	Hobbs:		2054.3
Aircraft Reg:	N860CA	Eng TTSN:		2054.3
Eng S/N:	PCE-RV0257	Eng TSO:		N/A
Work Order:	RS1091	Eng Cycles:		1521


- Performed PWC PT6A-66D MINOR/ROUTINE periodic inspection items IAW PWC MM 72-00-00 Table 601.
- 72-00-00-100-801 - Performed engine compressor wash IAW PWC MM 71-00-00. ←
- 73-10-02-200-802 - Performed fuel pump outlet filter inspection IAW PWC MM 72-00-00. Replaced fuel pump outlet filter with new P/N 3059779-01 IAW PWC MM 73-10-02. ←
- 73-10-07-960-801 - Replaced P3 filter with new P/N 3059788-01 IAW PWC MM 73-10-07. ←
- 74-10-00-200-801 - Performed ignition exciter inspection IAW PWC MM 74-10-00. No defects noted.
- 74-20-00-200-801 - Performed ignition cables inspection IAW PWC MM 74-20-00. No defects noted.
- 74-20-00-200-802 - Performed spark igniters inspection IAW PWC MM 74-20-00. No defects noted.
- 74-20-00-710-801 - Performed spark igniters operational test IAW PWC MM 74-00-00. Operational check satisfactory.
- 79-20-00-200-802 - Performed accessory gearbox internal scavenge pump inlet screen inspection. No defects noted. ←
- 79-20-02-710-801 - Performed chip detector operational test IAW PWC MM 72-10-00. Operational check satisfactory.
- Inspected and cleaned oil filter IAW PWC MM 79-20-02. No defects noted.
- Performed maintenance run-up checks IAW TBM MM 05-12-01.
- AD research completed through FAA Biweekly 2020-18. See separate compliance record for details. ←

Unless otherwise noted, all work was performed in accordance with TBM 850 Maintenance Manual Rev20 dated December 2020, and PWC Maintenance Manual P/N 30070902 Rev18.1, dated 7/27/17.

I certify this ENGINE has been inspected in accordance with an ANNUAL / B+ inspection IAW the TBM 850 Standard Program B inspection checklist chapter 05-20-03 and TBM 850 1-year Special Checks chapter 05-20-05 and was determined to be in airworthy condition.

The aircraft and/or component identified above was inspected and/or repaired in accordance with current Federal Aviation Regulations and is approved for return to service for the work performed. Pertinent details are on file at this agency under the work order listed above.


 Signature: **FAA CRS# QX0R525C**


 Stamp

Date: **9/11/20**

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
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The New AVEX, Inc. C.R.S. X11R595Y Page 1 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-RV0257 N860CA
 Work Order: 12899 TTSN: 1097.4 Date: 1/13/2017
 Tach: Hobbs: 1097.4 TCSN: 861 TSO: CSO:

1. Complied with a "C" inspection I.A.W. Socata MM Chapter 05-20-04, 05-20-05 and Pratt and Whitney PT6A-66D MM. All AD's checked through revision 2016-23; 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 Pratt and Whitney SB 14507R1 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 14507R1. No discrepancies noted.
4. Complied with Pratt and Whitney SB 14509R3 by the removal and replacement of the propeller over speed governor mounting washers with new I.A.W. Pratt and Whitney SB 14509R3.
5. 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.
6. Complied with the 1000 hour replacement of the P-3 filter with new I.A.W. Pratt and Whitney PT6A-64D MM Chapter 72. Leak checks good.
7. 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.
8. Complied with the 400 hour cleaning and flow check of the engine fuel nozzles per Dallas Airmotive APO 9119. 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.
9. 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.
10. 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.
11. Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and

The New AVEX, Inc. C.R.S. X11R595Y 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-RV0257 N860CA
 Work Order: 12899 TTSN: 1097.4 Date: 1/13/2017
 Tach: Hobbs: 1097.4 TCSN: 861 TSO: CSO:

12. Whitney PT6A-66D MM Chapter 71.
 13. Oil sample sent to Jet Care for analysis I.A.W. Pratt and Whitney PT6A-6D MM 79.
 13. 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. 12899.

(LBID:12784)
 Byron D. Guy 1/13/17
 Date
 For: FAA Approved Repair Station # X11R595Y

The New AVEX, Inc. C.R.S. X11R595Y
 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323
 ENGINE Pratt & Whitney PT6A-66D S/N PCE-RV0257 N860CA
 Work Order: 12899 TTSN: 1097.4 Date: 1/14/2017
 Tach: Hobbs: 1097.4 TCSN: 861 TSO: CSO:

1. One torque exceedance dated 14 Jan 2012 of 147.5% in area A of Pratt and Whitney PT6A-66 MM 71-00-00 figure 503/504. This is a no action required area.
- 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. 12899.

Byron D. Guy 1/14/17
 Date

For: FAA Approved Repair Station # X11R595Y

(LBID:12797)

N860CA S/N: 596 Socata TBM 700
 Date: 6/30/2017 A/CTT: 1271.0 Hobbs: 1271.0 Total Cycles: 978
 Annual A+ inspection completed on this Date IAW Socata MM 05-20-02.
 Performed compressor wash. C/W P&W SB14474 R1 oil determined to be Cat#4, Cleaned oil Filter, carbon and debris within SB acceptable limits. See AD listing for Ad details.
 Ground check and run-up OK.
 I certify that this ENGINE has been inspected in accordance with an Annual / A+ inspection and was determined to be in an airworthy condition. This aircraft was repaired and inspected in accordance with current regulations of Federal Aviation Agency, and I approved this airplane for return to service.
 W.J. Richards A&P2763857IA

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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WO# 460379
Reg# N860CA
Hobbs: 675.6
ETT: 674.5
Date: 1/30/2015
Eng. SN: PCE-RV0257
ETC: 496



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection
* Completed a A+ / Annual Inspection in accordance with TBM 850 maintenance manual standard program "A" Inspection, Special checks and FAR 43 appendix D.
Special Inspection
* Complied with Special Check #45 - 200 Hour Compressor Wash and CT Rinse. No defects noted.
* Complied with Special Check #52 - 1 Year Chip Detector Inspection. No defects noted.
* Complied with Special Check #43 and #46 - 400 Hour Engine HSI Borescope and Fuel Nozzle Flow Check. No defects noted.
Service Bulletin
* Complied with PWC Cat 3 SB 14473 R2 - Torque Limiter Inspection. No defects noted.
* PWC SB 14357 R4 - Fuel Nozzle Assembly is not applicable due to S/N RV0257 not listed in Section 1A and tip date codes not listed in SB. No further action taken.
* Complied with PWC Cat 3 SB - 14495 - Fuel Nozzle Tip Inspection by installation of overhauled Nozzle Tips P/N 3038495 by Delevan Inc., Carrol IA, 51401, CRS# KTZD964K, dated 01/19/15, under OW# 376298. Flow check and leak check accomplished referencing 73-11-05. No defects noted.
Operational check of engine satisfactory.

I certify this Engine has been inspected in accordance with an annual/100 hour inspection, using a checklist that meets the requirements of 14CFR, Part 43, Appendix D, and was determined to be in airworthy condition. Details are on file at this repair station under the referenced work order 460379
Signed *David Nelson*
David Nelson for Elliott Aviation of Minneapolis, Inc. KX5R005N

WO# 460969
Reg# N860CA
Hobbs: 825.8
ETT: 825.8
Date: 1/22/2016
Eng. SN: PCE-RV0257
ETC: 577



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

Inspection
* Completed a B+/annual inspection using the Socata TBM 850 maintenance manual standard program B inspection guide, special checks, a checklist that meets the requirements of 14 CFR part 43, appendix D, and P&WC PT6A-66D maintenance manual periodic inspection table 601.
Special Inspection
* Performed special check 45 - engine compressor wash
* Performed special check 52. Chip detector check. No discrepancies noted.
* Performed special check 51. Installed New oil filter p/n 3059258-01. Leak check satisfactory.

I certify this Engine has been inspected in accordance with a B+/ annual inspection, using a checklist that meets the requirements of 14CFR, Part 43, Appendix D, and was determined to be in airworthy condition. Details are on file at this repair station under the referenced work order.
Signed *Brian Moeller*
Brian Moeller for Elliott Aviation of Minneapolis, Inc. CRS# KX5R005N

*****MUNCIE AVIATION CO.CRS#AJVR135C*****

Performed 1Yr specials per 05-20-05

N860CA	Date	A/C TT	Hobbs	ETT	Total Cycles	Current
	6/15/2016	907.8	907.8	907.8	724	147

Annual (A+) inspection completed this date ref Socata Maintenance manual Chapter 05-20-02
Performed Compressor wash and insitu Fuel Nozzle cleaning per MM Ch 71-00-00
C/W P&W SB14474 R1 Oil discoloration determined to be Cat.#4, Performed Oil patch Test per SB14001 R19
Cleaned oil filter, Carbon and debris within SB acceptable limits
Performed Oil Change and serviced with 10 Qt 2380 installed placard for Aeroshell 560 use
Installed new Starter Generator Brushes per CMM CH 24-30-03 pg 402
Blended First stage compressor blade leading edges
Inspected & Treated inlet with corrosion X
See AD Listing Dated 6/10/2016 for details
Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual/A+ Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C
Make P&W Ser.No PCE-RV0257
Model PT6A-66D Reg.Mark N860CA

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service
Pertinent details of the repair are on file at the Agency
Work Order No. S001823 Date 6/15/2016
Signed *[Signature]* Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141



Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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WO# 459414
Reg# N860CA
Hobbs: 194.9
ETT: 194.9
Date: 8/30/2012
Eng. SN: PS-RV0257
ETC: 142



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

- Inspection**
* 100 hour inspection completed in accordance with the 100 hr inspection guide and the special checks guide from the Socata TBM 850 maintenance manual.
- Special Inspection**
* Performed Special Inspection #40 - Engine Compressor Wash.

I certify this Engine has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459414.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc. KX5R005N
David Nelson

WO# 459506
Reg# N860CA
Hobbs: 250.2
ETT: 250.2
Date: 12/4/2012
Eng. SN: PCE-RV0257
ETC: 180



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

- Inspection**
* Annual inspection completed in accordance with the 300 hr inspection guide and the special checks guide from the Socata TBM850 maintenance manual.
- Special Inspection**
* Performed Special Inspection #46 - Chip Detector ops test. No discrepancies noted at this time.

I certify this Engine has been inspected in accordance with a 300 HR / Annual Inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459506.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc. KX5R005N
Nathan Ballard

WO# 459660
Reg# N860CA
Hobbs: 352.4
ETT: 352.4
Date: 4/24/2013
Eng. SN: PCE-RV0257
ETC: 237



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

- Inspection**
* Completed a 100 hr inspection in accordance with the 100 hr inspection guide from the Socata TBM 850 maintenance manual.

I certify this Engine has been inspected in accordance with a 100Hour Inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459660.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc. KX5R005N
Nathan Ballard

Signature	AME ACA/AMO SCA/AMO
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WO# 459709
Reg# N860CA
Hobbs: 375.3
Date: 6/4/2013
Eng. SN: PCE-RV0257



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

- Inspection**
* Removed engine fuel nozzles and flow checked. Boroscope inspected engine hot section. No discrepancies noted. Reinstalled fuel nozzles with new o-rings, gaskets, and saftied. Ground run and leak check satisfactory.
- Maintenance Action**
* Performed compressor wash and CT rince.

I certify this Engine is in airworthy condition with respect to the maintenance performed. All maintenance performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 459709.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc. KX5R005N
David Nelson

WO# 459871
Reg# N860CA
Hobbs: 458.8
Date: 10/9/2013
Eng. SN: PCE-RV0257



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

- Inspection**
* Completed a 100 hour inspection in accordance with the 100 hr inspection guide and the special checks guide from the Socata TBM 850 maintenance manual.

I certify this Engine has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc. KX5R005N
Tom Kortisses

WO# 459942
Reg# N860CA
Hobbs: 509.5
ETT: 508.5
Date: 1/13/2014
Eng. SN: PCE-RV0257
ETC: 379



Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Engine Log Entry

- Inspection**
* C+ Check/Annual Inspection completed in accordance with the "C" Inspection Guide and Special Checks Guide from the Socata TBM 850 maintenance manual.
- Special Inspection**
* Performed Special Check #37 - Engine Compressor Wash and CT Rinse.
* Performed Special Check #39 - Fuel Pump Inlet Screen 600 Hour Cleaning and Inspection. No discrepancies noted at this time.
* Performed Special Check #40 - Fuel Pump Outlet Filter 600 Hour Replacement

I certify this Engine has been inspected in accordance with a C+ inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459492.

Signed [Signature] for Elliott Aviation of Minneapolis, Inc. KX5R005N
Nathan Ballard

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
15 MAY 2011	0.0	0.0	0	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.
6 sept 2011	1 ^h 40	0.0	1	Vol d'essai constructeur
8 sept 2011	3 ^h 15	0.0	2	
14 sept 2011	4 ^h 15	0.0	3	
21 sept 2011	4 ^h 55	0.0	4	
6 oct. 2011	5 ^h 40	0.0	5	
20 oct 2011	6 ^h 20	0.0	6	
3 novembre 2011	7 ^h 05	0.0	7	
4 novembre 2011	7 ^h 55	0.0	8	

Arrêté présent livret à la SOCATA
le 4/11/11 au total de 7^h55
Visa du Département Qualité

Handwritten signature
TSI
CP

This Gas Generator module is combined with
Power Section.
S/N: PS- RV0257
NG/NO 34500 RPM, at 850 SHP / 810
ITT Trim: 20.8 C°
T5 Trim resistance: 48.8 Ohms

M. VANMAANEN

(517)

T.C. 4-59
NO. 039

SOCATA - DEPARTEMENT QUALITE
VERIFICATION et ENTRETIEN STOCKAGE

DAHER-SOCATA
SOCATA
Agrément de Production
FR - 21G - 0027

DAHER-SOCATA

FAA CRS # URZR891L / EASA.145.5152

SOCATA North America, Inc.
7501 S. Airport Road
Pembroke Pines, FL 33023

Date : 12/02/2011

Serial Number : 596

Registration : N860CA

Aircraft type : TBM 850

Meter Time: 26.1 Hobbs

Time Since New : 26.1

Cycle Since New : 15

Work Order : 4686

- Engine PT6A-66D S/N RV0257 TSN 26.1 CSN 15
- Performed engine first stage compressor FOD Borescope inspection IAW P&WC manual chapter 72-30-05, no defect noted.

The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And Is Approved For Return To Service For the Work Performed. Permanent Records Of The Repair Are on File At This Repair Station Under W.O. # 4686, Date : 12/02/2011 Signature: *K. Pirompaneth* CRS # URZR891L / EASA. 145.5152

WO# 459206
Reg# N860CA
Hobbs: 105.9
ETT: 105.9

Date: 2/28/2012
Eng. SN: PS-RV0257
ETC: 61



Engine Log Entry

Elliott Aviation of Minneapolis, Inc.
Flying Cloud Airport
13801 Pioneer Trail
Eden Prairie, MN 55347-2617

Inspection

- * Completed a First 100 hr inspection in accordance with the "first 100 hr" and the 100 hr inspection guides from the Socata TBM850 maintenance manual, rev 6

I certify this Engine has been inspected in accordance with a FIRST 100 hr Inspection and is determined to be in airworthy condition. All maintenance was performed referencing the applicable manufacturer's maintenance manuals. Pertinent details are on file under the referenced work order 459206.

Signed

Handwritten signature
Thomas Kortisses

for Elliott Aviation of Minneapolis, Inc. KX5R005N

Volume #: 1

Opened on: 15 MAY 2011

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- RVO257