

Signature

AME
ACA/AMO
SCA/AMO

Date: 04/15/25

TT: 2750.6



Cycles: 2042



Hobbs: 2416.3

TBM 850

N850CA

PT6A-66D

Powerplant

E S/N PCE-RV0208

S/N: 552

Description of inspections, repairs, tests, and alterations

Removed and cleaned the main oil filter P/N 3059258-01 NSN in accordance with Pratt & Whitney MM P/N 3070902 Rev. 28, 04/07/2025, Chapter 79-20-02, OIL FILTER & CHECK VALVE - MAINTENANCE PRACTICES, Section 6. A, (1-3), 3. (a-h), D. (1-5), Follow on maintenance requirements IAW Chapter 72-00-00 Para (13)(Y)(1-24) unscheduled inspection for carbon debris, results were normal no carbon debris noted. Next inspection 100 hours TT 2850.6. Reinstalled Filter using new packings AS3209-143, -120, -224. Serviced oil system with 1-quart Aeroshell 560 oil. Post engine operational and leak checks were performed with satisfactory results. This aircraft has been determined to be in an airworthy condition as to the work performed and approved for return to service. (End).


Mark Timmons A&P/IA 3210132

Date: 05/05/25

TT: 2785.9



Cycles: 2069



Hobbs: 2451.6

TBM 850

N850CA

PT6A-66D

Powerplant

E S/N PCE-RV0208

S/N: 552

Description of inspections, repairs, tests, and alterations

Performed CT and PT Desalination Wash in accordance with Pratt & Whitney MM P/N 3070902, Rev. 28, 04/07/2025, Chapter 71-00-00, Section 5, 6. A. (1-23), and Daher TBM 850 MM P/N DMNMMPXEE0R22 7/2023, Chapter 71-00-00, 1, A, B, (1-4) C (1), D (1-3), Post engine operational and leak checks were performed with satisfactory results. This aircraft has been determined to be in an airworthy condition as to the work performed and approved for return to service. (End).


Mark Timmons A&P/IA 3210132



Exec Aero, LLC · 83 Nilson Way · Orlando, FL 32803 · 407-420-7934 · CRS#: EXAR968D

AME
ACA/AMO
SCA/AMO

N850CA
Cycles: 1837

Pratt & Whitney Canada, PT6A-66D, S/N: PCE-RVO208
Hobbs: 2175.3 TTSN: 2509.6

June 25, 2024

1. C/W P&WC Engine Minor Inspection IAW 72-00-00 Table 601.
2. C/W engine compressor 1st stage FOD Inspection.
3. C/W P&WC SIL PT6A-213 (Compressor Inlet Case Corrosion Inspection).
4. P&WC ASB A14575 (Single-Engine Application First Stage PT Blades - Inspection/Replacement of), Dated Jun 13/2024, N/A by engine not listed in Table 1 and no record of overhaul or repair during affected date range.
5. C/W 1Yr/200Hr Engine desalination wash IAW 72-00-00. Installed (2) P/N 7423510000 - Ignitor Gasket (3010880), Installed P/N 3023431 - Gasket Rev/Lot: 3233385.
6. C/W 1Yr Service engine oil system IAW 79-00-CA. Installed (2) P/N 560-1QT - Aeroshell Turbine Oil Rev/Lot: 0000047089U076.
7. C/W 1Yr Clean and inspect P3 filter and housing IAW 73-10-07. Installed P/N MS9386-126 - O RING Rev/Lot: 0000115063, Installed P/N MS9386-015 - Filter O-Ring Rev/Lot: SJDS37, Installed P/N 7423060092 - Seal (MS9386-014).
8. C/W 200Hr Oil filter and secondary screen inspection IAW 79-20-02. Installed P/N 7423510009 - O-Ring (AS3209-143), Installed P/N 7423510008 - Pratt & Whitney Gasket (AS3209-120) Rev/Lot: 0080393625, Installed P/N 7423510010 - O-Ring (AS3209-224) Rev/Lot: VDAV46.
9. C/W 200Hr AGB internal scavenge pump inlet screen check IAW 72-60-00.
10. C/W 200Hr Fuel outlet filter foreign matter or distortion inspection IAW 73-10-02. Installed P/N 7247510006 - O-Ring Kit (3033356).
11. C/W 400Hr Engine- Inspection hot section with borescope IAW 72-00-00. Borescope inspection performed by Standard Aero (CRS YRRR491L) WO# 38838.
12. C/W 400Hr Engine- Fuel manifold adapters-perform leak test and function test IAW 73-10-05. Fuel nozzle service performed by Standard Aero (CRS U8TR793Y) WO#44-00691.
13. C/W 400Hr Check ignition exciter for installation and condition IAW 74-00-CA.
14. C/W 400Hr Ignition exciter check for condition and attachment IAW 74-10-00.
15. C/W 400Hr Ignition cables check for routing, attachment and wear due to chafing IAW 74-20-00.
16. C/W 400Hr spark igniters check for cleanliness and erosion IAW 74-20-00.
17. Performed Patch Test and engine oil analysis. Installed P/N GA-001-OFRK - AVLAB TEST KIT.
18. Performed two engine oil flushes due to high carbon content IAW 72-00-00. Installed (3) P/N 7423510012 - Pratt & Whitney Seal (AS3209-115), Installed (24) P/N 560-1QT - Aeroshell Turbine Oil Rev/Lot: 47089U870, Installed P/N GA-001-OFRK - AVLAB TEST KIT, Installed P/N 7423510010 - O-Ring (AS3209-224), Installed P/N 7423510008 - Pratt & Whitney Gasket (AS3209-120) Rev/Lot: 0080393625, Installed P/N M83248/1-143 - O- RING.
19. C/W 1000Hr Oil filter replacement IAW 72-00-00. Installed P/N 3059258-01 - Filter, Installed P/N 7423510009 - O-Ring (AS3209-143), Installed P/N 7423510008 - Pratt & Whitney Gasket (AS3209-120) Rev/Lot: 7365874004, Installed P/N 7423510010 - O-Ring (AS3209-224).
20. Performed Patch Test for engine oil analysis. Final test found significant reduction in carbon content as indicated by Patch Test IAW P&WC SB 14001R20. Installed P/N GA-001-OFRK - AVLAB TEST KIT.
21. C/W Engine operational and leak checks.

I certify that this Engine has been inspected in accordance with a Minor Inspection and was determined to be in Airworthy condition.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Exec Aero, LLC under work order: RS24-017.

Nathan Marler for CRS EXAR968D

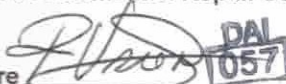

StandardAero**Engine Log Book Entry**2988 West Walnut Hill Lane
DFW Airport, TX 75261Work Order Number:
34505Date:
19-Jan.-2023Aircraft Type:
TBM-850Aircraft Registration Number:
N850CAAircraft Serial Number:
552Aircraft Total Time:
2106.0Engine S/N:
PCE-RV0208Engine Model:
PT6A-66DEngine Position:
1Aircraft Total Landings:
1524Engine Time Since New (TSN):
2106.0Engine Cycles Since New (CSN):
1524Time Since Overhaul (TSO):
TSNCycles Since Overhaul (CSO):
CSN

Work Performed: Performed a Scheduled Borescope Inspection of Hot Section Components with reference to applicable Maintenance Manual Periodic Inspection Table 601 Section 2B. Components/areas visible via Borescope found in Satisfactory Condition at this time. Reference Borescope Report for observations. **END.**

Work performed with reference to: PWC PT6A-66D Maintenance Manual p/n 3070902 rev. 23.0 dated Oct. 10, 2022, and other data and methods acceptable to the administrator.

This certifies that the work requested by the customer and described on the sales order listed above was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certified Repair Station

Signature


DAL 1057(Rogelio A. Vargas) for StandardAero
FAA CRS # YRRR491L

Given the nature of borescope instrumentation it is often not possible to make observations and examine all areas of an individual engine as part of an evaluation. Based on this limitation, StandardAero cannot and does not warrant its findings for borescope evaluations (pre-purchase and otherwise) against the possibility that hidden damage may exist that was not observable and reported by our technician at the time of the evaluation.

wo: RS23-028

Engine - page 1 of 1



Exec Aero, LLC - 83 Nilson Way - Orlando, FL 32803 - 407-420-7934 - CRS#: EXAR968D

N850CA**P&W CANADA, PT6A-66 SER, S/N: PCE-RV0208****September 14, 2023**

Cycles: 1674

Hobbs: 1974.3

TTSN: 2308.6

1. C/W P&WC Engine Minor Inspection IAW 72-00-00 Table 601. Installed P/N PT6-100 - KIT: 100 HR Rev/Lot: 7365823184.
2. C/W engine compressor 1st stage FOD inspection required.
3. C/W P&WC SIL PT6A-213 (Compressor Inlet Case Corrosion Inspection).
4. C/W 1Yr/200Hr Engine power recovery wash IAW 72-00-00. Installed P/N 7423510000 - Ignitor Gasket (3010880) Rev/Lot: 3533378, Installed P/N 7423510000 - Ignitor Gasket (3010880).
5. C/W 1Yr Service engine oil system IAW 79-00-CA. Installed (2) P/N 560-1QT - Aeroshell Turbine Oil Rev/Lot: 0000047089U076.
6. C/W 1Yr Clean P3 filter IAW PWC EMM 73-10-07 Par. 7A. Installed P/N MS9386-126 - O RING Rev/Lot: 771910-01, Installed P/N MS9386-015 - Filter O-Ring Rev/Lot: 626958/VHCS37, Installed P/N 7423060092 - Seal (MS9386-014) Rev/Lot: 3436334, Installed P/N M25988/1-928 - O-ring PT6 Rev/Lot: 7365916806.
7. C/W 200Hr Oil filter and secondary screen inspection IAW 79-20-02. Installed P/N 7423510009 - O-Ring (AS3209-143) Rev/Lot: 765703-03, Installed P/N 7423510010 - O-Ring (AS3209-224) Rev/Lot: VDAV46, Installed P/N 7423510008 - Pratt & Whitney Gasket (AS3209-120) Rev/Lot: 0080393625.
8. C/W 200Hr AGB internal scavenge pump inlet screen IAW 72-00-00.
9. Replaced Engine Spark Igniters IAW 74-20-00. Installed (2) P/N 6069607224 - Igniter (CH34055).
10. C/W Engine operational and leak checks.

I certify that this Engine has been inspected in accordance with a Minor Inspection and was determined to be in Airworthy condition.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Exec Aero, LLC under work order: RS23-028.

Nathan Marler for CRS EXAR968D



Signature

AME
ACA/AMO
SCA/AMO

40591 Airport Road
New London, NC 28127
CERTIFICATE NO. YRR2491L

PT6A-66D	Engine S/N: PCE-RV0208	T.S.N.: 1689.2	C.S.N.: 1189	T.S.O.: NA	C.S.O.: NA
<p>RECEIVED ENGINE IN FOR SUDDEN STOPPAGE/PROPELLER STRIKE INSPECTION IAW THE LIGHT OVERHAUL SECTION OF THE OVERHAUL MANUAL. DISASSEMBLED POWER SECTION, CLEANED, AND INSPECTED ALL PARTS. ASSEMBLED POWER TURBINE ASSY. AND BALANCED. ASSEMBLED POWER SECTION. COMPLIED WITH HOT SECTION INSPECTION. COMPLIED WITH 400HR FUEL NOZZLE INSPECTION. REPAIRED INLET CASE FOR CORROSION. ASSEMBLED ENGINE, TESTED, PRESERVED FUEL SYSTEM AND PREPARED ENGINE FOR SHIPPING. ALL WORK DONE WITH REFERENCE TO PRATT & WHITNEY OVERHAUL MANUAL P/N 3070903 REV. 16 DATED 18 MAY 2020, MAINT. MANUAL P/N 3070902 REV. 20 DATED 12 APRIL 2021, AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR. SEE ATTACHED PARTS LIST AND 8130'S FOR PARTS REPAIRED OR REPLACED.</p> <p>CT VANE AREA=7.21 PT STATOR AREA= 23.27 BOV SEAT TESTED WITH= 15 BOV SHIPPED= 17 SERVICE BULLETINS COMPLIED WITH= SB14546R1, SB14524R1 CT TRIM WEIGHT= G09N</p>					
CORRECTED ENGINE PERFORMANCE					
SHP	Ng %	T ₅ °F	T ₅ °C	SFC	POWER CHECK T ₅ TARGET
950	93.7	1228	664	633	NA °C
				DATA PLATE SPEED@850 SHP	
				T ₅ PULL DOWN REQUIRED	
				T ₅ TRIMMER	
				P/N 3053995CL13	
				ADJUSTED @ 34.7 Ω	
LIFE LIMITED COMPONENTS INSTALLATION (NOTE: REFER TO S/B, LATEST REVISION, FOR APPROVED LIFE LIMITS)					

Name	Part Number	Serial Number	Total Cycles	Cycles Rem
Disk Stg 1 PT	3037312	A002PFD7	1189	13811
Disk Stg 2 PT	3037313	YUAA006A146	1189	13811
DISK CT	3053740-01	A002PA03	1189	6802
Blade Stg 1 PT	3122972-01	INSPECTED		
Blade Stg 2 PT	3056693-01	INSPECTED TT= 1689.2		
Blade CT	NDIS	VISUAL INSPECTION		
		CYCLES CALC PER SB14002R26		

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair are on file at this repair station under work order: **RPR57369**

Signature: *[Signature]*

Date: 6-30-2021

261

Model 850
S/N 552
Reg. # N850CA

Atlanta Turbine Management
500 Briscoe Blvd. Ste.201
Lawrenceville, Georgia 30046

Date 11/11/21
AFTT 1708.5
Hobbs 1374.2
Invoice 7663

- ♦ Troubleshoot Starter gen dropping off line after start up. Found bad wire terminal and replaced terminal lug with new on PCF2 wire on the generator. Also inspected PC boards CI2 and CI3 in the Electronic power center. No defects noted.
- ♦ Ran the AC 3 more times and could not duplicate the drop off. Ops checks good.
- ♦ Removed flap selector group and cleaned dust from the micro switches. Reinstalled, ops checks good.

This aircraft and or component identified above was repaired and inspected in accordance with current federal air regulations and was found to be airworthy for return to service. Pertinent details are found on file under invoice number.

[Signature]

A&P138745785

TBM

SERVICE CENTER

