


Section 1: Record of engine maintenance and elementary work

wo: RS25-036 Engine - page 1 of 1

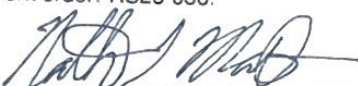

Authorized Service Center


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

N850CA **Pratt & Whitney Canada, PT6A-66D, S/N: PCE-RV0208** **June 18, 2025**
 Cycles: 2131 **Hobbs: 2532.7** **TTSN: 2867.0**

1. C/W Unscheduled Inspection: Contamination of Oil with Carbon Debris IAW 72-00-00 Para (13)(Y)(1) through (24). First 100Hr interval inspection. Installed P/N 7423510009 - O-Ring (AS3209-143), Installed P/N 7423510008 - Pratt & Whitney Gasket (AS3209-120), Installed P/N 7423510010 - O-Ring (AS3209-224).
2. Oil sample found with carbon contamination. C/W Unscheduled Inspection: Contamination of Oil with Carbon Debris IAW 72-00-00 Para (13)(Y)(1) through (24). Installed P/N GA-001-OFK - AVLAB TEST KIT, Installed (24) P/N 560-1QT - Aeroshell Turbine Oil, Installed P/N AS3209-120 (Alt 7423510008) - Seal Rev/Lot: 0080487530, Installed P/N 7423510009 - O-Ring (AS3209-143) Rev/Lot: 0080534131, Installed P/N 7423510010 - O-Ring (AS3209-224), Installed (4) P/N 7423510012 - Pratt & Whitney Seal (AS3209-115) Rev/Lot: 0080529737, Installed (2) P/N AS3209-019 - O ring Rev/Lot: 03052004/IJ11689178A, Installed (2) P/N M83485-1-904 - O-Ring, Installed (4) P/N MS21042-3 - NUT Rev/Lot: 104975/58610-000.
3. Follow on maintenance requirements IAW 72-00-00 Para (13)(Y)(24). Inspect the main oil filter and clean after 50 hours (Ref. 79-20-02, OIL FILTER & CHECK VALVE - MAINTENANCE PRACTICES). If no carbon debris is found, inspect main oil filter and clean every 100 hours and replace the filter element at 200 hours interval. After 400 hours if no further carbon debris is found in filter reinstate normal periodic inspection intervals (Ref. 72-00-00, ENGINE, TURBOPROP - INSPECTION). Follow in maintenance requirements IAW 72-00-00 Para (13)(Y)(25). If debris is found, repeat Steps (1) thru (24) preceding.
4. Operational and leak checks completed.

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: RS25-036.

Nathan Marler for CRS EXAR968D 

 StandardAero		Engine Log Book Entry 2988 West Walnut Hill Lane DFW Airport, TX 75261		Work Order Number: 00044300	Date: 16-July-2025
Aircraft Type: DAHER TBM 700 (850)	Aircraft Registration Number: N850CA	Aircraft Serial Number: 552	Aircraft Total Time: 2899.0		
Engine S/N: PCE-RV0208	Engine Model: PT6A-66D	Engine Position: 1	Aircraft Total Landings: 2156		
Engine Time Since New (TSN): 2899.0	Engine Cycles Since New (CSN): 2156	Time Since Overhaul (TSO): TSN	Cycles Since Overhaul (CSO): CSN		

Work Performed: Performed a Scheduled Borescope Evaluation on Engine Assembly per customer request. Components visible via Borescope found in Satisfactory Condition at this time. Reference Borescope Report for Observations and Subsequent recommendations for Increased Turbine Desalination Washes. Performed Blend Repair on First Stg. Compressor Blades as required. Engine requires Ground Leak, Functional and Performance run prior to Full return to Service. **END.**

Work performed with reference to: PWC PT6A-66D Maintenance Manual p/n 3070902 rev 28.0 dated April 7, 2025 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 Certificated Repair Station

FAA CRS #YRRR491U

Signature 

(Rogelio A. Vargas) for StandardAero Business Aviation Services, LLC

Revision 0, dated 16-July-2025

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.



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

N850CA

Cycles: 2156

Pratt & Whitney Canada, PT6A-66D, S/N: PCE-RVO208
Hobbs: 2564 7 TTSN: 2899.0**July 18, 2025**AME
ACA/AMO
SCA/AMO

1. C/W P&WC Engine Minor Inspection IAW 72-00-00 Table 601. Installed P/N 560-1QT - Aeroshell Turbine Oil.
2. C/W engine compressor 1st stage FOD Inspection.
3. C/W P&WC SIL PT6A-213 (Compressor Inlet Case Corrosion Inspection).
4. C/W 1Yr/200Hr Engine desalination wash IAW 71-00-00. Installed (2) P/N 7423510000 - Ignitor Gasket (3010880) Rev/Lot: 72366239927, Installed P/N 3023431 - Gasket.
5. C/W Unscheduled Inspection: Contamination of Oil with Carbon Debris IAW 72-00-00 Para (13)(Y)(1) through (24). First 25Hr interval inspection. Installed (2) P/N 560-1QT - Aeroshell Turbine Oil Rev/Lot: 0000162058.
6. C/W 1Yr Clean and inspect P3 filter and housing IAW 73-10-07. Installed P/N MS9386-126 - O RING, Installed P/N MS9386-015 - Filter O-Ring, Installed P/N 7423060092 - Seal (MS9386-014).
7. C/W 200Hr Oil filter and secondary screen inspection IAW 79-20-02. Installed P/N 7423510009 - O-Ring (AS3209-143) Rev/Lot: 0080534131, Installed P/N AS3209-120 (Alt 7423510008) - Seal Rev/Lot: 0080487530, Installed P/N 7423510010 - O-Ring (AS3209-224), Installed P/N GA-001-OFRK - AVLAB TEST KIT.
8. C/W 200Hr AGB internal scavenge pump inlet screen check IAW 72-60-00.
9. C/W 200Hr Fuel outlet filter foreign matter or distortion inspection IAW 73-10-02. Installed P/N 7247510006 - O-Ring Kit (3033356).
10. C/W 400Hr Engine inspect hot section with borescope IAW 72-00-00. Borecope inspection performed by Standard Aero (CRS YRRR491L) WO#00044300.
11. C/W 400Hr Fuel Manifold Adapters - Perform leak and function test IAW 73-10-05. Fuel injector inspection completed by Standard Aero (CRS U8TR793Y) WO#45-00393.
12. C/W 400Hr Ignition exciter check for condition and attachment IAW 74-10-00.
13. C/W 400Hr Ignition cables check for routing, attachment and wear due to chafing IAW 74-20-00.
14. C/W 400Hr Spark igniters check for cleanliness and erosion IAW 74-20-00. Replaced spark igniters IAW 74-20-00. Installed (2) P/N CH34055 - IGNITER.
15. First stage compressor blade blending performed by Standard Aero (CRS YRRR491L) WO#00044300.
16. Replaced NP tach generator seal IAW 72-10-00. Installed P/N 3022374 - SEAL Rev/Lot: MRWK700, Installed P/N AS3209-026 - O ring Rev/Lot: 01152001/LJ11515606D, Installed P/N ST3276-01 - Gasket.
17. Replaced feathering governor mount gasket IAW 61-20-00 Installed P/N 3039526 - Gasket Gov Mounting.
18. Removed starter and adapter, and replaced gasket and O-ring IAW 24-30-03. Installed P/N ST3277-01 - GASKET, Installed P/N M83248/1-113 - O-ring Rev/Lot: 0080533040.
19. C/W Engine operational and leak checks.

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: RS25-038.

Nathan Marier for CRS EXAR968D