



Transport  
Canada

Transports  
Canada

TP 14182  
(Revised 05/2005)

# **Engine Logbook**

## **POWER SECTION**

## **MODULE LOG BOOK**





Volume #: 1

Opened on: 15 FEB 2013

## 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 PS- RV0320



**Section 1: Record of engine maintenance and elementary work**

Section 1: Record of engine				Details of task
Date --/--/--	Time since new	Time since overhaul	Total cycles	
15 FEB 2013	○ ○	○ ○	○	New engine final acceptance test completed satisfactorily and is in condition for safe operation.
11 Avril 2013	1 <sup>h</sup> 25	0.0	1	Vol d'essai constructeur
16 Avril 2013	2 <sup>h</sup> 45	0.0	2	
23 Avril 2013	3 <sup>h</sup> 55	0.0	3	
25 Avril 2013	5 <sup>h</sup> 10	0.0	4	
29 Avril 2013	6 <sup>h</sup> 00	0.0	5	
30 Avril 2013	6 <sup>h</sup> 50	0.0	6	
Arrêté présent livret à la SOCAT le 30/04/13 au total de 6 <sup>h</sup> 50 Visa du Département Qualité				



This Power Section module is combined with Gas  
Generator.

S/N: PCE- RV0320

NG/N<sup>o</sup> 34550 RPM, at 850 SHP / 1810

ITT Trim: 24.0 C°

T5 Trim resistance: 40.6 Ohms

Signature

AME  
ACA/AMO  
SCA/AMO

K. PIVIDOR

1401

T.C. 4-58  
NO. 024

**SOCATA - DEPARTEMENT QUALITE**  
VERIFICATION et ENTRETIEN STOCKAGE

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

**DAHER-SOCATA**

**>>CUTTER>>**  
Leading the Business of Aviation

**POWER SECTION  
RECORD ENTRY**

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	101.8
Total Time	101.8
TSN	101.8
CSN	--

Page 1 of 1

1. COMPLIED WITH SOCATA TBM850 FIRST 100 HOUR INSPECTION AS PER SOCATA TBM850 MAINTENANCE MANUAL CHAPTER 05-20-02 INSPECTION CHECKLIST.
2. BLENDED MINOR EROSION AND NICKS FROM FIRST STAGE COMPRESSOR BLADES IAW PT6A-66D MM CHAPTER 72-30-00.
3. COMPLIED WITH 100 HOUR INSPECTION/CHECK OF RGB CHIP DETECTOR. NO DEFECTS NOTED.
4. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

I CERTIFY THIS **ENGINE** HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES OF A FIRST 100 HOUR INSPECTION IN ACCORDANCE WITH THE TBM850 MAINTENANCE MANUAL CHAPTER 5-20-01 AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-2494.**

Date: 7/29/2013



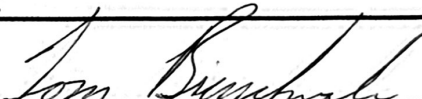
Authorized Signature:



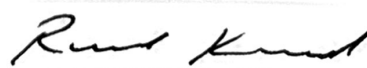
*Tom Bierschwale*  
Tom Bierschwale



## 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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		 <b>Leading the Business of Aviation</b>		<b>POWER SECTION RECORD ENTRY</b>	
Registration	N836EA	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	195.1
Model No.	TBM 700			Total Time	195.1
Serial No.	657			TSN	195.1
Engine M/N	PT6A-66D			CSN	-
Engine S/N	PCE-RV0320			Page 1 of 1	
1. COMPLIED WITH SOCATA TBM850 "A" INSPECTION AS PER SOCATA TBM850 MAINTENANCE MANUAL CHAPTER 05-20-02 INSPECTION CHECKLIST. 2. COMPLIED WITH 100 HOUR RECOMMENDED COMPRESSOR AND TURBINE WASHES IAW P&W PT6A-66D MM CHAPTER 71-00-00. 3. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.					
I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES OF AN "A" INSPECTION IN ACCORDANCE WITH THE TBM850 MAINTENANCE MANUAL CHAPTER 5-20-01 AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair are on file at this repair station under <b>Work Order: 11M-2584</b> .					
Date:	10/16/2013	Authorized Signature:	 Tom Bierschwale		

		 <b>Leading the Business of Aviation</b>		<b>POWER SECTION RECORD ENTRY</b>	
Registration	N836EA	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	337.2
Model No.	TBM 700			Total Time	337.2
Serial No.	657			TSN	337.2
Engine M/N	PT6A-66D			CSN	-
Engine S/N	PCE-RV0320			Page 1 of 1	
1. COMPLIED WITH SOCATA TBM850 "B+" ANNUAL INSPECTION AS PER SOCATA TBM850 MAINTENANCE MANUAL CHAPTER 05-20-02 INSPECTION CHECKLIST. 2. COMPLIED WITH 12 MONTH/100 HOUR INSPECTION OF MAGNETIC CHIP DETECTORS IAW PT6A-66D MM 72-00-00. NO DISCREPANCIES NOTED AT THIS TIME. 3. COMPLIED WITH 100 HOUR RECOMMENDED COMPRESSOR AND TURBINE WASHES IAW P&W PT6A-66D MM 71-00-00. 4. COMPLIED WITH 400 HOUR BORESCOPE INSPECTION IAW PT6A-66D MM 72-00-00. NO DISCREPANCIES NOTED AT THIS TIME. 5. COMPLIED WITH 400 HOUR FUEL NOZZLE CLEANING AND FLOW CHECK. PERFORMED BY VECTOR AEROSPACE (CRS-U8TR793Y). REFERENCE 8130-3 DATED 04-22-2014 UNDER WO# 34-00719. INSTALLATION PERFORMED IAW PRATT & WHITNEY PT6A-66D MM 73-11-05. OPS/LEAK CHECK GOOD. 6. COMPLIED WITH 200 HOUR INSPECTION OF SECOND STAGE POWER TURBINE BLADES IAW PRATT & WHITNEY PT6A-66D MM 72-00-00. NO DEFECTS NOTED AT THIS TIME. 7. INSTALLED ONE NEW FUEL NOZZLE TRANSFER TUBE P/N 3011155 DURING INSTALLATION OF FUEL NOZZLES FOR CLEAN AND FLOW CHECK. 8. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.					
I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES OF AN "B+" ANNUAL INSPECTION IN ACCORDANCE WITH THE TBM850 MAINTENANCE MANUAL CHAPTER 5-20-01 AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair are on file at this repair station under <b>Work Order: 11M-2844</b> .					
Date:	04/28/2014	Authorized Signature:	 Richard Kurland		



Signature

AME  
ACA/AMO  
SCA/AMODAHER-SOCATA  
Leading the Business of AviationPOWER SECTION  
RECORD ENTRY

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	432.1
Total Time	432.1
TSN	479.3
CSN	326

Page 1 of 1

1. COMPLIED WITH PRATT & WHITNEY SB 72-14474R1 ISSUED DEC. 13, 2013 INSPECTION OF THE ENGINE OIL DISCOLORATION FOR CARBON PARTICLES. FOUND TO BE WITHIN ACCEPTABLE LIMITS AND ASSESSED COLOR TO BE BETWEEN SAMPLE 2 AND SAMPLE 3 ON FIGURE 1. NO FURTHER ACTION REQUIRED.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-2956**

Date: 07/15/2014

Authorized Signature:



Richard Kurland

DAHER-SOCATA  
Leading the Business of AviationPOWER SECTION  
RECORD ENTRY

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	557.9
Total Time	557.9
CSN	416
TSOH	--

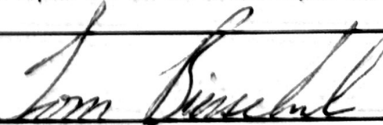
Page 1 of 1

1. COMPLIED WITH 100 HOUR CONTINUITY AND COCKPIT INDICATOR CHECKS OF MAGNETIC CHIP DETECTORS IAW PT6A-66D MM 72-10-00. NO DISCREPANCIES NOTED AT THIS TIME.
2. COMPLIED WITH 100 HOUR RECOMMENDED COMPRESSOR AND TURBINE WASHES IAW P&W PT6A-66D MM 71-00-00.
3. COMPLIED WITH 200 HOUR INSPECTION OF SECOND STAGE POWER TURBINE BLADES IAW PRATT & WHITNEY PT6A-66D MM 72-50-04. NO DEFECTS NOTED AT THIS TIME.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-3086**

Date: 12/19/2014

Authorized Signature:




Tom Bierschwale



Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task

1. COMPLIED WITH SOCATA TBM850 "A+" ANNUAL INSPECTION AS PER SOCATA TBM850 MAINTENANCE MANUAL CHAPTER 05-20-02 INSPECTION CHECKLIST.
2. COMPLIED WITH 12 MONTH/600 HOUR BRIDGE AND CONTINUITY CHECKS OF MAGNETIC CHIP DETECTORS IAW PT6A-66D MM CHAPTER 72-10-00. NO DEFECTS NOTED. LEAK CHECKED GOOD.
3. COMPLIED WITH 6 MONTH/600 HOUR (HIGH HUMIDITY) CHECK OF AGB OIL PUMP INLET SCREEN IAW P&W PT6A-66D MM CHAPTER 72-60-00. NO DEFECTS NOTED. LEAK CHECKED GOOD.
4. COMPLIED WITH 600 HOUR FUEL INLET SCREEN INSPECTION AND CLEANING IAW P&W PT6A-66D MM CHAPTER 73-10-00. NO DEFECTS NOTED. LEAK CHECKED GOOD.
5. COMPLIED WITH 600 HOUR REPLACEMENT OF FUEL PUMP OUTLET FILTER. NEW FILTER P/N AN6235-3A INSTALLED. LEAK CHECKED GOOD.
6. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

Date:	04/10/2015	Authorized Signature:	 Tom Bierschwald
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[illegible]



**DAHER**POWER SECTION  
RECORD ENTRY

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	863.1
Total Time	863.1
TSN	863.1
CSN	--

Page 1 of 1

1. COMPLIED WITH SOCATA TBM850 "C" INSPECTION AS PER SOCATA TBM850 MAINTENANCE MANUAL CHAPTER 05-20-02 INSPECTION CHECKLIST.
2. COMPLIED WITH 6 MONTH/600 HOUR AGB INTERNAL OIL PUMP SCAVENGE SCREEN CHECK PER PRATT & WHITNEY PT6A-66D MM 72-60-00. NO DEFECTS NOTED.
3. COMPLIED WITH 100 HOUR RECOMMENDED COMPRESSOR WASH/RINSE AND TURBINE RINSE PER PRATT & WHITNEY PT6A-66D MM 71-00-00.
4. COMPLIED WITH 100 HOUR/12 MONTH RGB AND AGB CHIP DETECTOR CHECKS/OPERATIONAL CHECKS PER PRATT & WHITNEY PT6A-66D MM 72-10-00.
5. COMPLIED WITH 400 HOUR ENGINE FUEL NOZZLE CLEANING AND FLOW CHECK. REINSTALLED REPAIRED ONE INLET FUEL ADAPTER P/N 3119856-01, THIRTEEN REPAIRED FUEL ADAPTERS P/N 3119855-01 AND FOURTEEN INSPECTED SHEATHS P/N 3119920-01 PER PRATT & WHITNEY PT6A-66D 73-11-05. OPS/LEAK CHECK GOOD. REFERENCE DALLAS AIRMOTIVE, INC. (CRS-YRR4491L) 8130-3'S DATED 09-30-2015 UNDER# RPR40571.
6. COMPLIED WITH 400 HOUR BOROSCOPE INSPECTION PER PRATT & WHITNEY PT6A-66D MM 72-00-00. CT BLADES HAVE MINOR IMPACT DAMAGE WHICH WAS FOUND TO BE WITHIN LIMITS. NO OTHER DEFECTS NOTED.
7. INSTALLED NEW LEFT AND RIGHT IGNITORS P/N CH34055 PER PRATT & WHITNEY PT6A-66D MM 74-20-00. OPS CHECK GOOD.
8. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES OF A "C" INSPECTION IN ACCORDANCE WITH THE TBM850 MAINTENANCE MANUAL CHAPTER 5-20-01 AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair are on file at this repair station under Work Order: 11M-3488.

Date: 10/09/2015

Authorized Signature:

Richard Kurland



Sec

**DAHER**

**>>CUTTER>**  
**Leading the Business of Aviation**

**POWER SECTION  
 RECORD ENTRY**

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
 367 Sandau Rd.  
 San Antonio, Texas 78216  
 FAA Repair Station No. U7TR491Y  
 Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	994.9
Total Time	994.9
CSN	715
TSOH	--

Page 1 of 1

1. INSPECTED THIS ENGINE USING DAHER TBM700 MM CHAPTER 5-20-02 (STANDARD PROGRAM A INSP), 05-20-05 (12 MONTH SPECIAL CHECKS) AND PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00, TABLE 601 INSPECTION CHECK LISTS AS A GUIDE.
2. INSTALLED NEW PROPELLER GOVERNOR SOLENOID VALVE P/N 3032083, S/N ARK1386T. OPS CHECKED AND LEAK CHECKED GOOD. REFERENCE PT6A-66D MM CHAPTER 73-10-08.
3. COMPLIED WITH **12 MONTH/200 HOUR** ROUTINE AND MINOR INSPECTIONS AND MAINTENANCE PER PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00 TABLE 601.
4. COMPLIED WITH **100 HOUR** (SALT LADEN) COMPRESSOR AND TURBINE WASHES. REFERENCE PT6A-66D MM CHAPTER 72-00-00.
5. COMPLIED WITH **12 MONTH/600 HOUR** BRIDGE AND CONTINUITY CHECKS OF MAGNETIC CHIP DETECTOR IAW PT6A-66D MM CHAPTER 72-10-00. NO DEFECTS NOTED. LEAK CHECKED GOOD.
6. COMPLIED WITH **12 MONTH** OPERATIONAL CHECK OF CHIP DETECTOR COCKPIT INDICATION SYSTEM. NO DEFECTS NOTED.
7. COMPLIED WITH **12 MONTH** ENGINE OIL CHANGE. SERVICED ENGINE WITH BP2380. LEAK CHECK GOOD. REFERENCED PT6A-66D MM TR 72-7 AND **PRATT & WHITNEY SB 14001 R18**. CONVERSION TO AEROSHELL 560 HTS OIL PENDING OUTCOME OF OIL AND FILTER ANALYSIS.
8. COMPLIED WITH **PRATT AND WHITNEY SB14293R3** REPLACEMENT OF EXHAUST DUCT DRAIN NIPPLE AND CAP BY INSTALLATION OF NEW PLUG P/N MS9902-04 AND GASKET P/N 3023431.
9. COMPLIED WITH **PRATT AND WHITNEY SB14473R3** BY INSPECTION OF TORQUE LIMITER PER SB INSTRUCTIONS. NO DEFECTS NOTED.
10. COMPLIED WITH **PRATT AND WHITNEY SB14509R1** BY INSTALLATION OF CORRECT OVERSPEED GOVERNOR MOUNT WASHERS P/N 3103007-01 PER SB INSTRUCTIONS.
11. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-3679**.

Date:

03/21/2016

Authorized Signature:

*Tom Bierschwale*  
 Tom Bierschwale



# DAHER



## POWER SECTION RECORD ENTRY

AME  
A/AMO  
A/AMO

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	1220.9
Total Time	1220.9
TSN	1220.9
CSN	--

Page 1 of 1

1. COMPLIED WITH SOCATA TBM850 "B" INSPECTION AS PER SOCATA TBM850 MAINTENANCE MANUAL CHAPTER 05-20-03 INSPECTION CHECKLIST.
2. COMPLIED WITH ROUTINE AND MINOR INSPECTIONS AND MAINTENANCE. REFERENCED PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00 TABLE 601.
3. **COMPLIED WITH 6 MONTH/600 HOUR** AGB INTERNAL OIL PUMP SCAVENGE SCREEN CHECK. REFERENCED PRATT & WHITNEY PT6A-66D MM 72-60-00. NO DEFECTS NOTED.
4. **COMPLIED WITH 100 HOUR** RECOMMENDED COMPRESSOR WASH/RINSE AND TURBINE RINSE. REFERENCED PRATT & WHITNEY PT6A-66D MM 71-00-00.
5. **COMPLIED WITH 100 HOUR** RGB AND AGB CHIP DETECTOR CONTINUITY CHECK AND COCKPIT INDICATION CHECK. REFERENCED PRATT & WHITNEY PT6A-66D MM 72-00-00.
6. **COMPLIED WITH 200 HOUR** CLEANING AND INSPECTION OF P3 FILTER DRAIN VALVE. REFERENCED PT6A-66D MM 73-10-07. NO DEFECTS NOTED.
7. **COMPLIED WITH 400 HOUR** ENGINE FUEL NOZZLE CLEANING AND FLOW CHECK. REINSTALLED INSPECTED INLET FUEL ADAPTER (1) P/N 3119856-01, INSPECTED FUEL ADAPTERS (13) P/N 3119855-01 AND INSPECTED SHEATHS (14) P/N 3119920-01 REFERENCED PRATT & WHITNEY PT6A-66D 73-11-05. OPS/LEAK CHECK GOOD. REFERENCE VECTOR AEROSPACE (CRS-U8TR793Y) 8130-3 DATED 11/01/2016 UNDER WO# 36-02263.
8. **COMPLIED WITH 400 HOUR** BOROSCOPE INSPECTION REFERENCED PRATT & WHITNEY PT6A-66D MM 72-00-00. HSI PERFORMED DUE TO FOD FOUND DURING BORESCOPE.
9. **COMPLIED WITH 600 HOUR** INSPECTION OF FUEL PUMP INLET SCREEN FOR FOREIGN MATTER OR DISTORTION. REFERENCED PRATT & WHITNEY PT6A-66D MM 73-10-02. NO DEFECTS NOTED.
10. **COMPLIED WITH 600 HOUR** INSPECTION OF FUEL PUMP OUTLET FILTER FOR FOREIGN MATTER OR DISTORTION. REFERENCED PRATT & WHITNEY PT6A-66D MM 73-10-02.
11. **COMPLIED WITH 1750 HOUR** HOT SECTION INSPECTION. INSTALLED "NEW" OUTER COMBUSTION LINER P/N 3055663-01, S/N FTA663A0368, "REPAIRED" IE DUCT P/N 3123302-01, S/N RWA98D809, "REPAIRED" CT DISK P/N 3053740-01, S/N YUAA012A581, "INSPECTED" INNER COMBUSTION LINER P/N 3116790-01, S/N RWA96D374 AND NEW ITT PROBE P/N 3116132-01. REFERENCED PRATT & WHITNEY PT6A-66D MM 72-00-00 TABLE 603, 72-40-01, 72-50-01 AND 72-50-02. PERFORMED GROUND PERFORMANCE RUN, OPS CHECKS AND LEAK CHECKS WITH SATISFACTORY RESULTS. PERFORMANCE RUN RESULTS ON FILE UNDER THIS WO#.
12. **COMPLIED WITH PRATT & WHITNEY SB 14489** REPLACEMENT OF SAFETY CABLE. FOUND PREVIOUSLY COMPLIED WITH.
13. **PRATT & WHITNEY SB14357 R4** INSPECTION OF FUEL NOZZLE ASSEMBLY AND **SB14495R3** INSPECTION OF FUEL NOZZLE TIPS COMPLIED WITH BY VECTOR AEROSPACE DURING 400 HOUR CLEANING AND FLOW CHECK. REFERENCE THEIR 8130-3 DATED 11/01/2016 UNDER WO# 36-02263.
14. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE INSTRUCTIONS AND PROCEDURES OF A "B" INSPECTION IN ACCORDANCE WITH THE TBM850 MAINTENANCE MANUAL CHAPTER 5-20-01 AND IS CONSIDERED TO BE IN AIRWORTHY CONDITION AND APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-3942.**

Date: 12/06/2016

Authorized Signature:

Richard Kurland



Sectic

**DAHER****>>CUTTER>**  
Leading the Business of AviationPOWER SECTION  
RECORD ENTRY

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	1311.8
Total Time	1311.8
CSN	969
TSOH	--

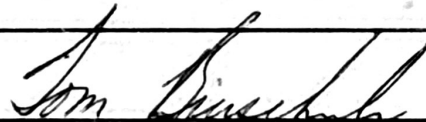
Page 1 of 1

1. INSPECTED THIS ENGINE USING DAHER TBM700 MM CHAPTER 5-20-02 (STANDARD PROGRAM A INSP), 05-20-05 (12 MONTH SPECIAL CHECKS) AND PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00, TABLE 601 INSPECTION CHECK LISTS AS A GUIDE.
2. COMPLIED WITH 12 MONTH/200 HOUR ROUTINE AND MINOR INSPECTIONS AND MAINTENANCE PER PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00 TABLE 601.
3. COMPLIED WITH 12 MONTH/600 HOUR BRIDGE AND CONTINUITY CHECKS OF MAGNETIC CHIP DETECTOR IAW PT6A-66D MM CHAPTER 72-10-00. NO DEFECTS NOTED. LEAK CHECKED GOOD.
4. COMPLIED WITH 100 HOUR OPERATIONAL CHECK OF CHIP DETECTOR COCKPIT INDICATION SYSTEM. NO DEFECTS NOTED.
5. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-4117.**

Date: 04/07/2017

Authorized Signature:



Tom Bierschwale

**DAHER****>>CUTTER>**  
Leading the Business of AviationPOWER SECTION  
RECORD ENTRY

Registration	N836EA
Model No.	TBM 700
Serial No.	657
Engine M/N	PT6A-66D
Engine S/N	PCE-RV0320

Cutter Aviation San Antonio, Inc.  
367 Sandau Rd.  
San Antonio, Texas 78216  
FAA Repair Station No. U7TR491Y  
Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter	1357.3
Total Time	1357.3
CSN	--
TSOH	--

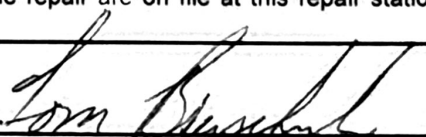
Page 1 of 1

1. PERFORMED COMPRESSOR AND TURBINE WASHES. PERFORMED GRPOND RUN-UP. NO DEFECTS NOTED. REFERENCE PT6A-66D MM CHAPTER 71-00-00.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-4189.**

Date: 06/05/2017

Authorized Signature:



Tom Bierschwale



Signature

AME  
ACA/AMO  
SCA/AMO**DAHER****>>CUTTER>>**

Leading the Business of Aviation

POWER SECTION  
RECORD ENTRY

Registration N836EA

Model No. TBM 700

Serial No. 657

Engine M/N PT6A-66D

Engine S/N PCE-RV0320

Cutter Aviation San Antonio, Inc.

367 Sandau Rd.

San Antonio, Texas 78216

FAA Repair Station No. U7TR491Y

Phone (210) 340-6780 Fax (210) 384-3394

Hour Meter 1524.6

Total Time 1524.6

CSN --

TSOH --

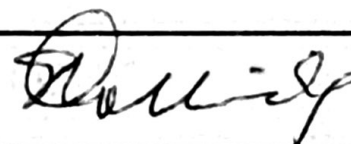
Page 1 of 1

1. INSPECTED THIS ENGINE USING DAHER TBM700 MM CHAPTER 5-20-04 (STANDARD PROGRAM C INSP), 05-20-05 (12 MONTH SPECIAL CHECKS) AND PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00, TABLE 601 INSPECTION CHECK LISTS AS A GUIDE.
2. COMPLIED WITH 12 MONTH ROUTINE AND MINOR INSPECTIONS AND MAINTENANCE PER PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00 TABLE 601.
3. COMPLIED WITH 12 MONTH BRIDGE AND CONTINUITY CHECKS OF MAGNETIC CHIP DETECTOR IAW PT6A-66D MM CHAPTER 72-10-00, 72-60-00. NO DEFECTS NOTED.
4. COMPLIED WITH MAGNETIC CHIP DETECTOR COCKPIT INDICATION SYSTEM CHECK. REF PRATT & WHITNEY PT6A-66D MM 72-00-00, PAGE 612. NO DEFECTS NOTED.
5. COMPLIED WITH 200 HOUR MAGNETIC CHIP DETECTOR COCKPIT INDICATION SYSTEM CHECK IAW PRATT & WHITNEY PT6A-66D MM 72-00-00, PAGE 612. NO DEFECTS NOTED.
6. INSTALLED NEW L/H IGNITION LEAD PART NUMBER 3119836-01. REF P&W MM CH. 74-20-00.
7. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under **Work Order: 11M-4483.**

Date: 04-13-2018

Authorized Signature:



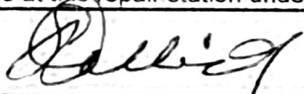
S.HOLLIDAY



<b>DAHER</b>		<b>&gt;&gt;CUTTER&gt;&gt;</b> Leading the Business of Aviation		<b>POWER SECTION RECORD ENTRY</b>	
Registration	N836EA	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	1668.0
Model No.	TBM 700			Eng. Total Time	1668.0
Serial No.	657			CSN	1054
Engine M/N	PT6A-66D			TSOH	--
Engine S/N	PCE-RV0320			Page 1 of 1	

1. INSPECTED THIS ENGINE USING DAHER TBM700 MM CHAPTER 5-20-02 (STANDARD PROGRAM A INSP), 05-20-05 (12 MONTH SPECIAL CHECKS) AND PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00, TABLE 601 INSPECTION CHECK LISTS AS A GUIDE
2. COMPLIED WITH 400 HOUR ENGINE FUEL NOZZLE CLEANING AND FLOW CHECK. REMOVED AND REINSTALLED 13 FUEL NOZZLES P/N 3119855-01 AND ONE P/N 3119856-01 AFTER CLEANING AND INSPECTION WAS DONE BY STANDARD AERO CRS# U8TR793Y UNDER THEIR WO# 39-00807. TORQUED MOUNT BOLTS TO 36 IN LBS AND SAFTIED. REF P&W M/M #3070902 CHAP. 73-11-05.
3. COMPLIED WITH 400 HOUR BORESCOPE INSPECTION IN CONJUNCTION WITH FUEL NOZZLE INSPECTION. NO IMPACT DAMAGE, TIP EROSION, SULFADATION ON CT BLADES. NOTED A FEW BLISTERS ON COMPRESSOR TURBINE BLADES, NONE WERE POPPED. NO CRACKS ON COMPRESSOR TURBINE GUIDE VANE ASSY, NO CRACKS ON INNER OR OUTER RINGS, NO BURNED OR CRACKED VANES, SEGMENTS ARE NOT ERODED OR CURLED. NOTED A SMALL AMOUNT OF TRANSFER AT ON SEGMENTS NEAR A SEGMENT SEAM WITH NO BLADE DEFORMATION. NO FRETTING WEAR AT PT DISK FACE. ALL WORK ACCOMPLISHED IAW PRATT & WHITNEY PT6A-66D MM 72-00-00, PAGE 616.
4. COMPLIED WITH 12 MONTH/200 HOUR ROUTINE AND MINOR INSPECTIONS AND MAINTENANCE PER PRATT & WHITNEY PT6A-66D MM CHAPTER 72-00-00 TABLE 601.
5. COMPLIED WITH 12 MONTH/600 HOUR AGB/RGB BRIDGE AND CONTINUITY CHECKS OF MAGNETIC CHIP DETECTOR IAW PT6A-66D MM CHAPTER 72-10-00. NO DEFECTS NOTED. LEAK CHECKED GOOD.
6. COMPLIED WITH 12 MONTH/200 HOUR OPERATIONAL CHECK OF CHIP DETECTOR COCKPIT INDICATION SYSTEM. NO DEFECTS NOTED.
7. COMPLIED WITH 200 HOUR P3 FILTER DRAIN VALVE CLEANING AND INSPECTION. NO DEFECTS NOTED. REF P&W M/M #3070902. CHAP. 73-10-07.
8. PERFORMED ENGINE COMPRESSOR WASH/RINSE AND TURBINE RINSE FOR AIRCRAFT OPERATING IN A SALT LADEN ENVIRONMENT IAW MM CH. 71-00-00.
9. COMPLIED WITH PRATT & WHITNEY RECOMMENDED ANTI-CORROSION APPLICATION TO COMPRESSOR INLET.
10. PRE AND POST INSPECTION MAINTENANCE RUN-UPS WERE PERFORMED. NO DEFECTS NOTED.

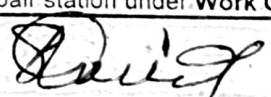
The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 11M-4896.

Date:	05-09-2019	Authorized Signature:		S. HOLLIDAY
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<b>DAHER</b>		<b>&gt;&gt;CUTTER&gt;&gt;</b> Leading the Business of Aviation		<b>POWER SECTION RECORD ENTRY</b>	
Registration	N836EA	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394		Hour Meter	1693.1
Model No.	TBM 700			Total Time	1693.1
Serial No.	657			CYCLES	1210
Engine M/N	PT6A-66D				--
Engine S/N	PCE-RV0320			Page 1 of 1	

1. INSPECTED STAGE 1 COMPRESSOR BLADES FOR FOD. FOUND NO DISCREPENCIES AT THIS TIME. REFERENCE PRATT & WHITNEY M/M CHAPTER 70-00-00 PAGE 606.
2. INSPECTED ENGINE INLET HOUSING FOR CORROSION. FOUND NO DISCREPENCIES AT THIS TIME. REFERENCE PRATT & WHITNEY M/M CHAPTER 72-00-00 PAGE 602.
3. REMOVED DAMAGED REVERSE LINKAGE SWIVEL JOINT AND INSTALLED OVERHAULED SWIVEL JOINT, P/N 3019266 REFERENCE PRATT & WHITNEY PT6A-66D EMM 76-10-00, PARAGRAPH H.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 11M-5081.

Date:	10-24-2019	Authorized Signature:		S. HOLLIDAY
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Signature

AME  
ACA/AMO  
SCA/AMO


# StandardAero

## StandardAero

  
 CRS# U8TR793Y; EASA# 145.5299

600 E. Dallas Road, Suite 400, Grapevine, TX 76051

Manufacturer:	Pratt & Whitney Canada	Model No:	PT6A-66D	Work Order:	39-01856
Description:	Engine Assembly, Complete	Serial No:	PCE-RV0320	Order/ Task:	232/316
TSN:	1693.1	CSN:	1074	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
Compressor Turbine Disk	3053740-01	YUAA012A581	1693.1	1074	3053740-01	YUAA012A581	1693.1	1074


Details of work performed: Split engine at "C" Flange, removed hot section components as necessary and complied with Hot Section Inspection. Installed inspected and repaired hot section components with a final CT Blade tip clearance of 0.018". Re-mated the engine at "C" Flange and completed Hot Section Inspection. All work performed in accordance with the Pratt & Whitney Canada PT6A-66D Maintenance Manual P/N: 3070902 Revision No. 18.1, dated July 6, 2017 and the Daher Aerospace TBM 850 Maintenance Manual P/N: Z00.DMAMMPXEE0R47. StandardAero serviced the engine with 3 quarts of Aeroshell 560.

Primary Parts installed new this visit: (10) new Shroud Segments P/N: 3039465CL15 and (1) new PT Seal Ring P/N: 3057818-01.

NOTE: StandardAero witnessed satisfactory ground performance runs and leak check performed by Cutter Aviation of San Antonio.

Pertinent details of this repair are on file at this repair station under work order: 39-01856.

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:
Daniel Fray		16-Oct-19

TX003R1



C.R.S. X1ID595Y

11804 Corporate Way Broomfield, CO 80021 Phone: (720)399-8008 | Fax: (720) 541-9001

N836EA

Work Order No: MXCO1130

October 13, 2022

Engine

MFR: Pratt &amp; Whitney

Model: PT6A-66D

SN: 657

HOBBS: 2,180.00

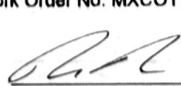
TSN: 2,180.00 TSO:

CSN:

CSO:

1. Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-66D MM Chapter 72.
2. 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. MXCO1130.




10/13/22

For: FAA Approved Repair Station C.R.S. X1ID595Y Date



Make:	P&W	 <b>HANCOCK</b> AVIATION <small>SALES   SERVICE</small>			Reg. No	N836EA
Model:	PT6A-66D				Date:	9/27/2024
Serial No.:	PCE-RV0320				W/O No.:	2451
AFTT:	2516.8	ENGINE MAINTENANCE ENTRY			Hobbs:	2516.8
TSNEW:	2516.8	TSHSI:	TC:		CSHSI:	502
		825.5	1712			

### Description of Work Accomplished.

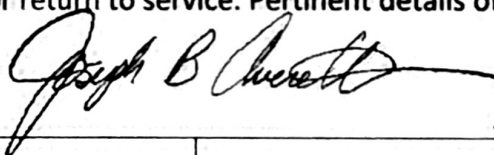
#### Inspections Completed:

- \* Completed an **Annual Inspection** IAW 14 CFR Part 43 Appendix D using the TBM850 MM Chapter 5-20-02 (Standard Program A Insp) and 5-20-05 (12 Month Special Checks) Inspection Check Lists as a guide. Engine Run and Ground Operational Checks were satisfactory
- \* Completed an **A Inspection** using the TBM700 MM Chapter 5-20-02 (Standard Program A Insp) Check List as a guide.
- \* C/W CT disc desalination & compressor power recovery wash IAW P&W PT6A-66D Chapter 71
- \* C/W 12 Month/ 200 Hour Routine & Minor and maintenance per P&W PT6A-66D MM 72-00-00 Table 601

### Approval for Return to Service

The article identified above was repaired and inspected in accordance with current FAA regulations and was found to be airworthy and is approved for return to service. Pertinent details of the work performed are on file at this agency under this work order.

Authorized Signature



Joseph B Averett 2740243 IA/AP

Hancock Aviation LLC  
4409 Chuck Yeager Avenue  
Baton Rouge, LA 70807

Phone: (225) 800-2359 Fax: (225) 224-6211  
Email: info@hancockaviation.com  
Web: www.hancockaviation.com