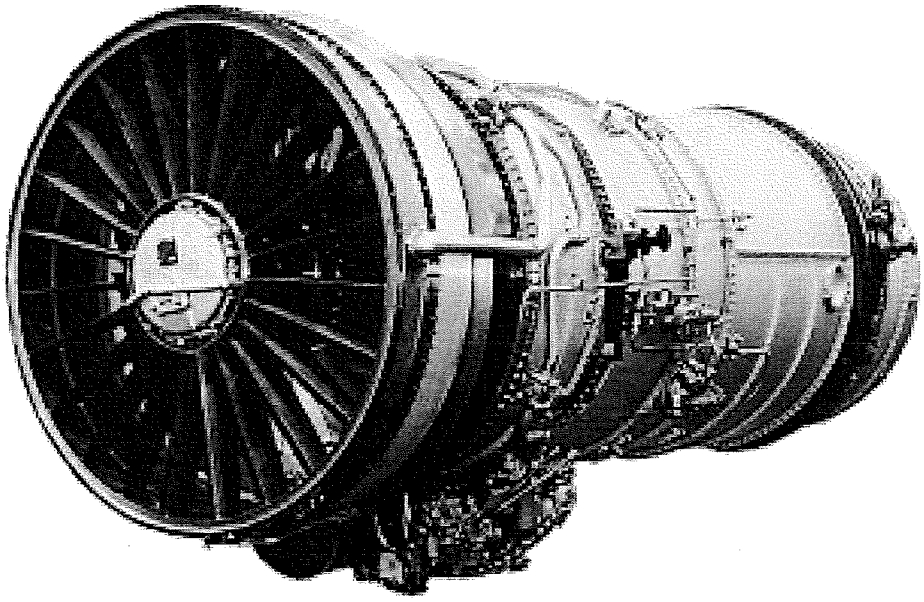
Turbine
ENGINE CENTER

ENGINE PERTINENT RECORDS PACKAGE

JT8D-217C

ENGINE S/N 726169
W/O J20147



ORIGINAL

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

Turbine
ENGINE CENTER

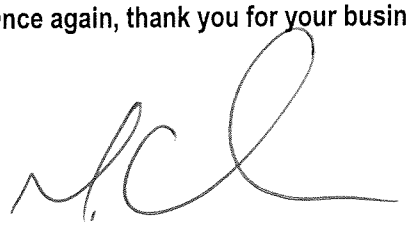
Dear Valued Customer

We at Turbine Engine Center Thank you, our valued customer, for inducting an engine to this repair facility.

It is our policy and sincere desire to meet or exceed your expectations. We hope that you are satisfied with our efforts and assure you that our quality processes are continually improving in order to meet your needs.

If you experience a situation with our product whereas your satisfaction comes into question, please do not hesitate to inform us so that we may take immediate corrective/preventive action.

Once again, thank you for your business and we look forward to future business endeavors.



Best regards,

Martin Cordero

Chief Inspector
Turbine Engine Center, Inc.
Ph: 305-477-7771 Fax: 305-477-7779
E-mail: martinc@turbineengine.aero

Turbine ENGINE CENTER

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FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

Turbine
ENGINE CENTER

FAA FORM 337

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

U.S. Department of Transporation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark	Serial No.	
	Make	Model	Series
2. Owner	Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)* Address City State Zip Country	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☐	AIRFRAME	———	*(As described in item 1 above)*	———
☒	☐	POWERPLANT	Pratt & Whitney	JT8D-217C	726169
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address

Name TURBINE ENGINE CENTER, INC.
Address 8050 NW 90th Street
City Medley State FLORIDA
Zip 33166 Country UNTIED STATES OF AMERICA

B. Kind of Agency

☐	U.S. Certificated Mechanic	☐	Manufacturer
☐	Foreign Certificated Mechanic	C. Certificate No.	
☒	Certificated Repair Station	**ZT9R445X Limited Powerplant Limited Airframe**	
☐	Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐

Signature/Date of Authorized Individual
Richard Gonzales – Director of Maintenance
Date: December 14, 2018

7. Approval for return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☐ Approved ☐ Rejected

BY	☐	FAA Flt. Standards Inspector	☐	Manufacturer	☐	Maintenance Organization	☐ Persons Approved by Canadian Department of Transport
	☐	FAA Designee	☒	Repair Station	☐	Inspection Authorization	Other *(Specify)*

Certificate or Designation No.
ZT9R445X Limited Powerplant Limited Airframe

Signature/Date of Authorized Individual
Martin Cordero – Chief Inspector
Date: December 14, 2018

FAA Form 337 (10-06)

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Nationality and Registration Mark	Date

Work Order: J20147
Model: JT8D-217C **Engine Serial Number: 726169**
ETT: 7,779.9 **ETC: 4,038**

Subject engine removed to comply with ASB6435R1 & SB 6427R2; the following is a summary of the work accomplished.

- **Fan Inlet Section:** was removed and replaced with a serviceable condition module.
- **Low Compressor Section:** was removed disassembled, cleaned, inspected, repaired, assembled and balanced. Replaced C1, C1.5, C2, C3, C4, C5, & C6 Disk/Blades Assemblies with serviceable condition units, and overhauled stators and cases.
- **Intermediate Section:** was removed disassembled, cleaned, inspected, repaired, and assembled. Replaced with serviceable condition module. Installed three each 8th Stg Bleed Valves in overhauled condition.
  - I. Accomplished inspection of #3 Bearing Support Assembly Diaphragm.
  - II. N° 3 Bearing Area is Pre SB 6401R1.
  - III. Engine Bleed configuration is Pre-SB 5863.
- **High Compressor Section:** was removed disassembled, cleaned, inspected, repaired, assembled and balanced. Replaced C7, C8, C9, C10, C11, C12 & C13 Disk/Blades with overhauled condition units. Installed overhauled C7 thru C12 Stators.
  - I. C7 Blades P/N is 810107 Post SB 6237R2.
- **Diffuser Section:** was removed disassembled, cleaned, inspected, repaired, and assembled. Replaced Diffuser Case module with a serviceable condition module. Engine Bleed configuration is Pre-SB 5863. Installed one each 13 Stg Bleed valve in overhauled condition. Installed 9ea Fuel Nozzle with serviceable condition units.
  - I. N° 4 Bearing. Area is Post SB 5989R3.
  - II. N° 4 Bearing Seal Seat is Post SB 6475.
- **Combustion Section:** was removed, disassembled, cleaned, inspected, repaired and assembled.
  - I. Installed (9ea) serviceable Combustion Chambers,
  - II. Installed serviceable condition N° 4 to N° 5 Bearing Inner Heatshield P/N 807090.
  - III. Installed serviceable condition Combustion Chamber Outer Case (O.C.C) P/N 815556.
  - IV. Installed serviceable condition Combustion Chamber Duct Assy (9 holder)
  - V. Installed overhauled condition T1 O.A.S.
  - VI. Installed 5ea serviceable condition and 41ea overhauled condition T1 NGV's
- **High Pressure Turbine:** removed, disassembled, cleaned, inspected, repaired, assembled, and balanced. Replaced T1 Disk and HPT Shaft with overhauled inspected unit.
  - I. Installed 25ea T1 Blades P/N 856101, 38ea P/N 843901-002, and 1ea P/N CN856101-10 in overhauled condition.
  - II. N° 5 Bearing Area is Post A6196R3.

N/A☒ Additional Sheet Are Attached

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Nationality and Registration Mark	Date

Work Order: J20147
Model: JT8D-217C **Engine Serial Number: 726169**
ETT: 7,779.9 **ETC: 4,038**

- **Low Pressure Turbine:** was removed, disassembled, cleaned, inspected, repaired, assembled, and balanced. Replaced T2 and T4 Disk with overhauled units. T3 Disk/Blade Assy was replaced with serviceable condition unit.
  - I. Installed 24ea overhauled and 54ea serviceable condition T2 Blades.
  - II. Installed 58ea T4 Blades in overhauled condition (0 hours since last overhaul).
  - III. Installed overhaul inspected LPT shaft P/N 820514-003, SB 5019: 2nd Rework, Total cycles: 17,438.
  - IV. Installed T2, T3, and T4 O.A.S in overhauled condition.
- **Exhaust Case & Mixer:** was removed as a module, partially disassembled, cleaned, inspected, repaired & assembled.
  - I. N° 6 Bearing Carbon Seal is Post SB 6438.
  - II. Installed Exhaust Duct & Cone Post 6091R3.
- **Gearbox:** was removed and replaced with a serviceable condition module.
- **Main bearings:** Main line bearings were installed in serviceable condition.
- **Accessories:** were removed, inspected and replaced with serviceable and overhauled units.
  - I. Replaced Fuel Control, with a serviceable unit.
  - II. Replaced Fuel Pump, with a serviceable condition unit.
  - III. Replaced Fuel Heater, with a serviceable condition unit.
  - IV. Replaced Fuel P&D, with a serviceable condition unit.
  - V. Replaced PRBC, with a serviceable condition unit.

All pertinent **Airworthiness Directives** were reviewed and were found to be current at this visit. See TEC-ENG-07-200R4 A.D Listing.

The following **Service Bulletins** were embodied at this visit:

1. A5944R6	(Installed oil temperature indicators on N° 4 to N° 5 Scavenge Tube)
2. A6224R6	(Installed overhauled T-4 Blades)
3. A6494R1	(Installation of LPT – to Exhaust Case Bolts, Spacers and Nuts)
4. A6430R2, A6435R1	(HPC Disk corrosion inspection, Stages 7 thru 12)

Performed 90 day plus preservation of the fuel and oil systems IAW P&W E/M 773128 R104 72-00-00 Storage-01

No Known Unapproved Parts installed.

THE AIRCRAFT ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND PRATT & WHITNEY JT8D-200 E/M 773128 R105, DATED OCTOBER 15, 2018 AND IS APPROVED FOR RETURN TO SERVICE FOR ONLY THE WORK PERFORMED.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. J20147.

N/A☐ Additional Sheet Are Attached

Turbine
ENGINE CENTER

FAA FORM 8130-3

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

1. Approving Civil Aviation Authority / Country FAA / UNITED STATES	2. **AUTHORIZED RELEASE CERTIFICATE** FAA 8130-3 AIRWORTHINESS APPROVAL TAG	3 Form Tracking Number: J20147
4. ORGANIZATION: Turbine ENGINE CENTER	**Turbine Engine Center, Inc.** **8050 NW 90th Street** **Medley, FL 33166** **USA** **FAA Repair Station No: ZT9R445X**	5. Work Order / Contractor / Invoice Number ESN 726169 – 217C

6. Item	7. Description	8. Part Number	9. Quantity	10. Serial / Batch Number.	11. Status / Work
1	**Turbofan Engine**	JT8D-217C	1ea	726169	REPAIRED

12. Remarks.

The aircraft engine identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and Pratt & Whitney JT8D-200 E/M 773128 R105, Dated October 15, 2018 and is approved for return to service for only the work performed.

Pertinent details of the repair are on file at this repair station under Work Order No. J20147

All pertinent FAA/ EASA A.D.'s was reviewed at this shop visit and the following were accomplished this shop visit: 2003-16-05, 2005-21-01, 2011-04-04 & 2011-07-02.

The following S.B.s were incorporated this visit: ASB5944R6, A6224R6 & A6494R1, A6430R2, A6435R1

NOTE: ENGINE REQUIRES ACCEPTANCE AND PERFORMANCE TEST AND INSPECTION /OR REPAIR BEFORE RETURN TO SERVICE, IAW PRATT & WHITNEY JT8D-200 P/N 773128 E/M REV 105, DATED OCT 15, 2018 REF. 72-00-00 TESTING -07 PARAGRAPH S. (TESTING NO. 3- ACCEPTANCE AND PERFORMANCE TEST).

ETT: 7,779.9 ETC: 4,038 (TIMES AND CYCLES SUPPLIED BY CUSTOMER). (Refer to FAA Form 337 for Details)

Turbine Engine Center certifies that the work specified in block 11 /12 was carried out in accordance with EASA Part 145 and in respect to that work, the component is considered ready for release to service under EASA Part 145 Approval Number EASA 145.6302.

13a. Certifies the items identified above were manufactured in conformity to:		14a. 14 CFR 43.9 Return to Service: Yes	Other regulation specified in block # 12: Yes	
NA Approved Design data and are in a condition for safe operation NA Non- Approved Design data specified in Block # 12.		Certifies that unless otherwise specified in Block # 12, the work identified in block 11, and described in block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: N/A	13c. Approval/Authorization No. N/A	14b. Authorized Signature:		14c. Certificate Number. ZT9R445X
13d. Name (Typed or printed): N/A	13e. Date (m/d/y) N/A	14d. Richard Gonzales		14e. Date (dd/mmm/yyyy): 14/DEC/2018

User / Installer Responsibility

It is important to understand that the existence of this document alone does not automatically constitute authority to install part/component/ assembly.

Where the user/installer performs work in accordance with the national regulation of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assembly from the airworthiness authority of the country specified in Block 1.

Statements in block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

Turbine
ENGINE CENTER

LIFE LIMITED PARTS SHEET

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

Turbine ENGINE CENTER

8050 NW 90th Street.
Medley, FL 33166
(P) 305-477-7771 | (F) 305-477-7779
FAA Approved Repair Station ZT9R445X

Life Limited Parts Status

Work Order: J20147

Engine Total Time: 7,779.9

Engine Model: JT8D-217C

Engine S/N: 726169

Engine Total Cycles: 4,038

Disk Stage	Part Number	Serial Number	Life Limit		Life Used		Life Remaining		Removed From ESN
			Hours	Cycles	Hours	Cycles	Hours	Cycles	
LPC MODULE									
C-1 Disk	821501	BBDUA19044	N/A	20,000	N/A	17,107	N/A	2,893	726071
C-1.5 Disk	800115	T50057	N/A	20,000	N/A	17,265	N/A	2,735	718073
C-2 Disk	772402	BBDUAL7111	N/A	20,000	N/A	17,265	N/A	2,735	718073
C-3 Disk	772803	BBDUAL7563	N/A	20,000	N/A	17,265	N/A	2,735	718073
C-4 Disk	777704	BBDUA26394	N/A	20,000	N/A	16,179	N/A	3,821	728064
C-5 Disk	802105	BBDUAM0055	N/A	20,000	N/A	17,265	N/A	2,735	718073
C-6 Disk	772806	BBDUAM3618	N/A	20,000	N/A	17,326	N/A	2,674	718073
HPC MODULE									
C-7 Disk	822107	BENCAW0948	N/A	20,000	N/A	16,179	N/A	3,821	728064
C-8 Disk	821938	BENCAU8494	N/A	20,000	N/A	17,390	N/A	2,610	728064
C-9 Disk	798509-001	BENCAL6217	N/A	20,000	N/A	17,181	N/A	2,819	726972
C-10 Disk	772510-001	BENCAL1593	30,000.00	20,000	18,103.0	15,814	11,897	4,186	657369
C-11 Disk	772511-001	T22982	30,000.00	20,000	18,691.14	17,095	11,309	2,905	688651
C-12 Disk	822012	BENCAY3481	N/A	20,000	N/A	14,264	N/A	5,736	725450
C-13 Disk	5005613-01	BENCAN0602	N/A	20,000	N/A	17,469	N/A	2,531	725482
HPT MODULE									
T-1 Disk	855701	BKLBBC9977	N/A	20,000	N/A	17,326	N/A	2,674	718073
HPT Shaft	5000947-01	BKLBB05046	N/A	20,000	N/A	17,326	N/A	2,674	718073
LPT MODULE									
T-2 Disk	777622	BLDLA33715	N/A	20,000	N/A	17,640	N/A	2,360	709841
T-3 Disk	777603	BLDLC94195	N/A	20,000	N/A	17,356	N/A	2,644	725363
T-4 Disk	800804	BLDLAH1617	N/A	20,000	N/A	17,326	N/A	2,674	718073
LPT Shaft	820514-003	BLDLC69834	N/A	20,617	N/A	17,438	N/A	3,179	717867
SB 5019 2nd REWORK			N/A	23,651	N/A	17,438	N/A	6,213	
					SB 6435	DUE DATE	HOUR LIMITER		N/A
					August 13, 2027		CYCLE LIMITER		T2 DISK

Note: Times & Cycles Supplied by Customer

* Denotes Disk Change at this Shop Visit

AUTHORIZED SIGNATURE: _____ *DATE: December 14, 2018*

Horacio Cruz - Lead Quality Control Inspector

Turbine
ENGINE CENTER

A.D STATUS SUMMARY

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

Turbine ENGINE CENTER

8050 NW 90th STREET
MEDLEY, FL. 33166
P:305.477.7771
F:305.477.7779
FAA REPAIR STATION ZT9R445X

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: J20147

ENGINE MODEL: JT8D-217C *ENGINE S/N:* 726169 *TT:* 7,779.9 *TC:* 4,038

Note: *With regards to this document, the following definitions apply:*

CW = *Complied with at this shop visit.*
PCW = *Previously Complied with – Received with upgraded configuration*
ND = *Not Disassembled per Customer Specifications*
NA1 = *Not Applicable Due to Engine Model*
NA2 = *Not Applicable Due to Engine Serial Number*
NA3 = *Not Applicable Due to Part Numbers*
NA4 = *Not Applicable Due to Part Serial Numbers*

EASA / FAA A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
80-15-51 39-3898 8/21/80	A5154 R3	Ultrasonic Inspect or FPI Inspect 8th stage Disk P/N **690908, 701308, 717608, 717708, and 738308** for cracks. Applies to: JT8D-1, 1A, 1B, 5, 7, 7A, 7B, 9, 9A, 11, 15, 17, 17R, 209, and 209A.		X	**NA1:** to JT8D-217C.
87-03-13	5618	Replace 5th Stage Compressor Blades P/N 778505. Applies to: JT8D-209, 217, and 217A.		X	**NA1:** to JT8D-217C.
88-04-02	5711 R5 5751 R3 A5753 R4	Radiographic Isotope Inspect LPT Cases which do not incorporate New Anti-Rotation pins made of INCOL-901 Applies to: JT8D-209, 217, 217A, 217C, and 219.		X	**NA3:** to P/N installed. **Ref: Asia Pacific Airlines AD Status Dated on May 20, 2016**
91-24-14 39-8101 1/12/92		Inspect 4 ½ Seal Spacer P/N **525961.** Applies to: JT8D-1, 1A, 1B, 5, 7, 7A, 7B, 9, 9A, 11, 15, 15A, 17, 17A, 17R, 17AR, 209, 217, 217A, 217C, and 219.		X	**PCW:** Terminated action previously accomplished. Verified at this shop visit
93-23-10	A6053R7	Superseded by AD 99-22-14			Superseded by AD 99-22-14
94-14-16		Superseded by AD 95-02-16			Superseded by AD 95-02-16
94-23-03		Superseded by AD 97-19-13			Superseded by AD 97-19-13

REVIEWED BY: Horacio Cruz *DATE:* December 14, 2018 .

Turbine ENGINE CENTER

8050 NW 90th STREET
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P:305.477.7771
F:305.477.7779
FAA REPAIR STATION ZT9R445X

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: J20147

ENGINE MODEL: JT8D-217C *ENGINE S/N:* 726169 *TT:* 7,779.9 *TC:* 4,038

EASA / FAA A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
95-02-16 39-9135 2/21/95	A6153 R2 A6169 R5 A6170 R2 6240 A6310 R3 A6311 R2	Replace No. 7 Fuel Nozzle & Support Assemblies P/N 775485, 809137-1, 802965, and 5004308-02 with P/N **814358** or P/N **5004308-02** per A6311 R2. Replace aluminum pressure and scavenge oil tubes fittings with **STEEL** fittings per A 6170 R2. Applies All JT8D series engine models that have incorporated SB 5650-Low Emission Fuel Nozzles.		X	**PCW: Ref: Asia Pacific Airlines AD Status Dated on May 20, 2016**
96-12-19		Superseded by AD 96-23-15			Superseded by AD 96-23-15
96-15-06		Remove from service all affected first stage fan hubs, P/N 5000501-01, identified by the following Serial Numbers must be replace with serviceable parts: T50693, T50823, T50827, R32926, R32960, and P66756.		X	**NA3 & NA4:** to S/N installed. **Ref:** TEC's LLP status.
96-23-15		Superseded by AD 99-10-11			Superseded by AD 99-10-11
97-02-11		Superseded by AD 97-17-04			Superseded by AD 97-17-04
97-17-04	A6272 R1	To prevent fan hub failure due to tierod, counterweight, or bushed hole cracking, which could result in an uncontained engine failure for P/N 5000501-01 serial numbers listed I.A.W. A6272 R1. Applies to: JT8D-209, 217, 217A, 217C, and 219.		X	**NA3:** to P/N installed. **Ref:** TEC's LLP status
97-19-13	A5944 R4	Superseded by AD 2005-21-01			Superseded by AD 2005-21-01
98-21-24 39-10832 11/16/98		Inspection or replacement of Ni-cad coated C-3, C-4, and C-7 through C-12 compressor discs listed in Table 1 of the A.D. by P/N and S/N. Return affected disks to GE. Applies to: JT8D-1, 1A, 1B, 5, 7, 7A, 7B, 9, 9A, 11, 15, 15A, 17, 17A, 17R, 17AR, 209, 217, 217A, 217C, and 219.		X	**NA3 & NA4:** to P/N's & S/N's installed.

REVIEWED BY: Horacio Cruz *DATE:* December 14, 2018 .

Turbine ENGINE CENTER

8050 NW 90th STREET
MEDLEY, FL. 33166
P:305.477.7771
F:305.477.7779
FAA REPAIR STATION ZT9R445X

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: *J20147*

ENGINE MODEL: *JT8D-217C* *ENGINE S/N:* *726169* *TT:* *7,779.9* *TC:* *4,038*

EASA / FAA A.D. NUMBER EFF. DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*NO*	*COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.*
99-01-08		*Remove and scrap C-7 through C-12 Disks (JT8D HPC) listed in Appendix 1 of AD by P/N and S/N with <500 TIS since Ni-cad plating or by schedule 2(a) (1) thru (4). Disks with >500 TIS since Ni-cad plating require no action. Applies to: JT8D-1, 1A, 1B, 5, 7, 7A, 7B, 9, 9A, 11, 15, 15A, 17, 17A, 17R, 17AR, 209, 217, 217A, 217C, and 219.*		*X*	***NA3 & NA4:** to P/N's & S/N's installed.*
99-10-11	*6193 R3*	*Replace or modify C-1 Blades I.A.W. A.S.B. 6193 R3 with the following Part Numbers 798821, 798821-001, 808121, 808121-001, 809221, 811821, 851121, 851121-001, 5000021-02, 5000021-022, and 5000021-032. Applies to: JT8D-209, 217, 217A, 217C, and 219.*		*X*	***PCW:** Terminated action previously accomplished.*
99-12-04		*Superseded by AD 2000-21-07*			*Superseded by AD 2000-21-07*
99-22-14		*Superseded by AD 2004-26-04*			*Superseded by AD 2004-26-04*
99-26-06		*Superseded by AD 2002-16-08*			*Superseded by AD 2002-16-08*
99-27-01		*Superseded by AD 2005-02-03*			*Superseded by AD 2005-02-03*
2000-21-07		*Superseded by AD 2002-13-09*			*Superseded by AD 2002-13-09*
2002-13-09		*Superseded by AD 2005-18-02*			*Superseded by AD 2005-18-02*
2002-16-08	*A6359 R3*	*Inspect combustion chamber outer cases with the following part numbers 500023801, 797707, 807684, and 815830. Applies to: JT8D-209, 217, 217A, 217C, and 219.*		*X*	***NA3:** to P/N 815556 installed*
2002-21-17	*6100 R2*	*Install stops on the fan exit guide vane case in accordance with Service Bulletin 6100 R2. Or Install fan exit guide vane case, part number P/N 805919 or 815377 and fan duct assembly P/N 805918-01. Applies to: JT8D-209, 217, 217A, 217C, and 219.*		*X*	***PCW: Ref: Asia Pacific Airlines AD Status Dated on May 20, 2016***

REVIEWED BY: *Horacio Cruz* *DATE:* *December 14, 2018*

Turbine ENGINE CENTER

8050 NW 90th STREET
MEDLEY, FL. 33166
P:305.477.7771
F:305.477.7779
FAA REPAIR STATION ZT9R445X

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: *J20147*

ENGINE MODEL: *JT8D-217C* *ENGINE S/N:* *726169* *TT:* *7,779.9* *TC:* *4,038*

EASA / FAA A.D. NUMBER DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*NO*	*COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.*
2002-23-14		*Superseded by AD 2006-17-07 R1*			*Superseded by AD 2006-17-07 R1*
2003-16-05	*6427R2 A6430R2 A6435 R1*	*HPC disc corrosion inspection, stages C-7 through C-12. Owner/operators are responsible for tracking status and utilization. Applies to: JT8D-209, 217, 217A, 217C, and 219.*	*X*		***CW:*** *C7 Disk Ni-Cad on Oct. 01, 2018, re-inspect on Oct 01, 2027 C8 Disk Ni-Cad on Sept 25, 2018, re-inspect on Sept 25, 2027 C9 Disk Ni-Cad on Nov 28, 2018, re-inspect on Nov 28, 2027 C10 Disk Ni-Cad on Nov 28, 2018, re-inspect on Nov 28, 2027 C11 Disk Ni-Cad on Aug 13, 2018, re-inspect on Aug 13, 2027 C12 Disk Ni-Cad on Sept 26, 2018, re-inspect on Sept. 26, 2027 Engine preserved IAW PWA ASB 6435 & 72-00-00 Storage-01 Re-inspected on or before August 13, 2027*
2004-26-04	*A6346 R4*	*Install the improved HPT containment hardware. Accomplishment Instructions of PW Alert Service Bulletin A6346 R3. Applies to: JT8D-209, 217, 217A, 217C, and 219.*		*X*	***PCW:*** *terminated action previously accomplished.* ***Ref: Asia Pacific Airlines AD Status Dated on May 20, 2016***
EASA AD 2004-0004	*SB 6245*	*Second Stage airseal LP turbine – inspection and eventually replacement or Modify 2nd stage LPT Air sealing ring P/N'S 5005635-01, 798157, 787011, 787011-001, 798157-001,5005635-021, 809015-01 &809014-01 per SB 6245 Applies to: JT8D-209, 217, 217A, 217C, and 219.*		*X*	***PCW****: terminating action previously accomplished.*
2005-02-03		*Superseded by AD 2011-07-02*			*Superseded by AD 2011-07-02*
2005-17-16	*A6442*	*The purpose of this A.D. to provide serial numbers of rotating parts overhauled by CADMAR that need to be overhauled or removed from service. Applies to: JT8D-1, 1A, 1B, 5, 7, 7A, 7B, 9, 9A, 11, 15, 15A, 17, 17A, 17R, 17AR, 209, 217, 217A, 217C, and 219.*		*X*	***NA3 & NA4:*** *to P/N's & S/N's installed.*
2005-18-02		*Superseded by AD 2011-04-04*			*Superseded by AD 2011-04-04*

REVIEWED BY: *Horacio Cruz* *DATE:* *December 14, 2018* .

Turbine ENGINE CENTER

8050 NW 90th STREET
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P:305.477.7771
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FAA REPAIR STATION ZT9R445X

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: *J20147*

ENGINE MODEL: *JT8D-217C* *ENGINE S/N:* *726169* *TT:* *7,779.9* *TC:* *4,038*

EASA / FAA A.D. NUMBER EFF. DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*NO*	*COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.*
2005-21-01	*A5944R5*	*Install and or inspect two dual temperature indicators, part number (P/N) 810486 on the No. 4 and 5 bearing compartment scavenge oil tube.* *Applies to: JT8D-209, 217, 217A, 217C, and 219.*	*X*		***CW:** re-inspect within 65 hours. (E.T.T: 7,844.9)*
2006-17-07 R1	*A6430R2*	*Strip the protective coating, visually inspect for fretting wear, fluorescent magnetic particle inspect, re-identify and re-plate HPC front hubs and the stage 8-9 spacers, and replace if necessary in accordance with Service Bulletin A6430.* *Applies to: All Models*		*X*	***PCW:** NiCad Coated C8 Disk and installed nickel-Cadmium 8-9 Spacer P/N: 821916 S/N: UO9157*
2011-04-04		*Perform enhanced inspection of selected life limited parts: C1 Hub, C13 Disk, HP Turbine (Rotor or Disk), T2 Disk, T3 Disk, & T4 Disk.* *Applies to: JT8D-209, 217, 217A, 217C, and 219.*	*X*		***CW:** C13 Disk, HPT Disk, T2 Disk, T3 Disk, and T4 Disk. Remaining disk not disassembled at this shop visit.*
2011-07-02 Apr/28/2011	*A6224R6*	*Perform torque inspection of 3rd and 4th stage LPT blades for shroud notch wear. Use the procedures described in Alert Service Bulletin JT8D A6224 R6.* *Applies to: JT8D-209, 217, 217A, 217C, and 219.*	*X*		***CW:** Installed Overhauled T-4 Blades (33ea) P/N CN822504 and (25ea), Re-inspect within 7,000 Hours.*
	6494R1	*Replacement of all LPT-to-Exhaust Case Bolts with P/N MS95557-26, all LPT-to-Exhaust Case Nuts with P/N's 375095 or 490270 (Steel Tinidur), and installation of Sleeve Spacers P/N 822903.* *Applies to: JT8D-209, 217, 217A, 217C, and 219.*		*X*	***PCW:** Ref: Asia Pacific Airlines AD Status Dated on May 20, 2016*
2015-14-05	*SB 6504*	*Comply with this AD within the compliance times specified, unless already done.* *(1) If the LPT shaft has 15,000 or fewer cycles-since-new (CSN) on the effective date of this AD, remove it from service before it accumulates 20,000 CSN.* *(2) If the LPT shaft has more than 15,000 CSN on the effective date of this AD, remove it from service before it accumulates 5,000 additional cycles in service, or at the next piece-part exposure after accumulating 20,000 CSN, whichever occurs first.* *(3) After the effective date of this AD, do not install any LPT shaft listed in paragraph (c) of this AD that is at piece-part exposure and exceeds the new life limit of 20,000 CSN, into any engine.* *Applies to: 217C, and 219.*	*X*		***PCW:** P/N 820514-003* *Life Limit: 20,617 CSN: 17,438 CR: 3,179* ***REF: TEC A.D Status W/O J20124 Dated on 8/5/2016***

REVIEWED BY: *Horacio Cruz*

DATE: *December 14, 2018 .*

Turbine
ENGINE CENTER

TEST CELL DATA

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

TEST CELL RESULTS

W. O.: 5002171

MODEL: JT8D-217C

ESN: 726169

DATE: 13-Dec-18

F. J. Turbine Power, Inc.

DATE TESTED: 13-Dec-18

FAA Approved Repair Station F7JR192Y
Form Q 009 - 1/5/04
Engine Work Card: FJT 5001A 7/22/11

ENGINE WORK CARD

WARNING: This routine work form does not in any way supersede the OEM's manual requirements. This form is intended to be used in conjunction with the OEM's manuals.

TITLE: ENGINE TEST RESULTS - JT8D-200

WORK ORDER	ENGINE MODEL	ENGINE SERIAL NUMBER
5002171	JT8D-217C	726169

TEST SPECIFICATIONS: MANUAL USED P/N 773128 REV.# 105 TYPE OF TEST: TEST# 3

TEST LIMTS (CHECK ONE): [X] HEAVY MAINTENANCE [ ] OVERHAUL [ ] OTHER:

ITEM	OPERATION AND REFERENCED PROCEDURE	ACCEPTED	REJECTED	DOES NOT APPLY
1	MAIN OIL PRESSURE	FJTP 21		
2	MAIN OIL TEMPERATURE.	FJTP 21		
3	OIL CONSUMPTION.	FJTP 21		
4	BREATHER PRESSURE	FJTP 21		
5	MAXIMUM EXHAUST GAS TEMPERATURE (EGT)	FJTP 21		
6	EXHAUST GAS TEMPERATURE (EGT) SPREAD.	FJTP 21		
7	FRONT VIBRATION LIMITS.	FJTP 21		
8	REAR VIBRATION LIMITS.	FJTP 21		
9	TURBINE COOLING PRESSURE.	FJTP 21		
10	MAXIMUM LOW COMPRESSOR SPEED.	FJTP 21		
11	MAXIMUM HIGH COMPRESSOR SPEED.	FJTP 21		
12	E.P.R. vs. THRUST RELATIONSHIP.	FJTP 21		
13	ACCELERATION TIME.	FJTP 21		
14	ANTI-SURGE BLEED CHECK.	FJTP 21		
15	AUTOMATIC RESERVE THRUST INCREMENT.	FJTP 21		
16	SPEED DATA PLATE. OBSERVED: R.P.M.: 10,963 PERCENT: 89.53 %	FJTP 21		
17	RE-STAMP OF DATA PLATE REQUIRED IF ENGINE QUALIFIES BASED ON WORK PERFORMED. NO [X] YES [ ]			
18	COMMENTS:			

	TAKE-OFF LIMIT	TAKE-OFF - ACTUAL	TAKE-OFF MARGIN
RED LINE	590 °C (OBSERVED)	531 °C (OBSERVED)	59 °C
EHM (for Pt7/Pt2)	530 °C (CORRECTED)	506 °C (CORRECTED)	24 °C

CIT: 76 ° F

F. J. Turbine Power, Inc.

FAA Approved Repair Station F7JR192Y
Form Q 009 - 5-Jan-2004
Engine Work Card: FJT 5002 - Rev. 3 - 3-Jul-2014

DATE TESTED: 13-Dec-2018

ENGINE WORK CARD

WARNING: This routine work form does not in any way supersede the OEM's manual requirements. This form is intended to be used in conjunction with the OEM's manuals.

TITLE: **JET ENGINE TEST LOG**

WORK ORDER	ENGINE MODEL	ENGINE SERIAL NUMBER
5002171	JT8D-217C	726169

CUSTOMER	TEST CELL No.	TEST START	TEST STOP	TEST HOURS
T.E.C.	6	10:35	11:55	1 HR 20 MINS.

TEST SPECIFICATIONS: MANUAL P/N: 773128 CURRENT MANUAL REV: 105 TYPE OF TEST: TEST # 3

TEST LIMTS (CHECK ONE): [X] HEAVY MAINTENANCE [ ] OVERHAUL [ ] OTHER:

N2 SPEED DATA PLATE: 89.3 % 10,943 RPM

FUEL PUMP	P/N:	384300
	S/N:	6635
FCU	P/N:	769606-15
	S/N:	F1686

BELL MOUTH S/N: TC015

TEST NOZZLE S/N: TC016

TEST NOZZLE AREA: 7.601 SQUARE FEET

WEATHER		
TIME TAKEN:	10:40	
BAROMETER:	30.17	
CIT OR OAT:	75	°F
DRY BULB TEMP:	75	°F
WET BULB TEMP:	69	°F
HUMIDITY:	64	%
DEW POINT:	60	°F

BLEED VALVE CHECK		
SCHED MAX. (CHART):	73.4	"HGA
SCHED MIN. (CHART):	67.8	"HGA
OPENED AT:	70.1	"HGA
CLOSED AT:	71.3	"HGA
TRIM DATA		
PART POWER PT7 TARGET:	50.58	"HGA
TAKE OFF POWER PT7 TARGET:	58.03	"HGA
IDLE N2 TRIMMED TO:	6630	RPM
ACCELERATION TIME:	4	SEC.

OIL CONSUMPTION: 0.02 GPH AMOUNT OF OIL SERVICED: 6 GALLONS

FUEL TYPE: JET A OIL TYPE: BP2197

FUEL B.T.U. RATING: 18560 SP. GR.: 0.805 FUEL METER START: 278947 FUEL METER STOP 279853 TOTAL FUEL USED: 906 GLS

OIL LEAKS:	OK.-	SPARK IGNITER CK - "A":	OK.-	FUEL HEAT VALVE:	OK.-	FUEL PRESSURE:	OK.-
FUEL LEAKS:	OK.-	SPARK IGNITER CK - "B":	OK.-	COWL ANTI-ICE VALVE:	N/A	CSD DISCONNECT:	N/A
AIR LEAKS:	OK.-	LH ANTI-ICE VALVE:	OK.-	FUEL PRESS TRANS:	N/A	OIL SCREEN:	OK.-
OIL PRESSURE:	OK.-	RH ANTI-ICE VALVE:	OK.-	ENG OIL PRESS TRANS:	N/A	FUEL SCREENS:	OK.-

SPEED DATA PLATE CHECK AT 1.65 EPR - N2 RPM 10963 @ 89.53 % RE-STAMP DATA PLATE: NO [X] YES [ ]

PRESERVED FUEL AND OIL SYSTEMS: YES [X] NO [ ] DATE: 13-Dec-18

NOTES:

COAST DOWN TIME : N2 : 1:28 MINS. N1 : 1:29 MINS.

TESTED BY: R. BRILL. FJTP 20 MECH.

The engine identified above was tested I.A.W. currrent Federal Aviation Regulations and was found airworthy for return to service with respect to the test performed, recorded on work card FJT 5001 as revised and supporting engine test data.

INSPECTED BY: Elias Fernandez FJTP 21 INSP. DATE: DEC, 13-18

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2 (CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C.

IDLE.

CIT 24 °C / 75 °F EGT 362 °C / 683 °F T7 TIME @ TEMP 0 THRUST 1183 LBS CORR. EPR 1.034

N1 % 26.84 N1 RPM 2,207

N2 % 54.21 N2 RPM 6,640

TIMER

MAIN OIL 46 PSIG

BREATHER 0.1 "HG

OIL IN 151 °F / 66 °C

OIL OUT 168 °F

MAIN FUEL 29 PSIG

FUEL FLOW 973 PPH

FUEL IN 73 °F

PS4 14.9 PSIA PS3 42.6 HGA

CELL TEMP 75 °F BAROMETER 30.17 "HG

CORRECTED DATA

N1	2173
Fn	1173
N2	6539
EGT	343 °C
Wf	942
TSFC	0.803

VIBRATION

COMP	0.1
TURB	0.2

CORR. PT2 30.17 HGA

PT2 AVG (CELL) -0.30 "H20

PT7 31.20 HGA

CORR. Ps3/Pt2 1.411

CORR. Ps4/Pt2 1.006

PCP 22.7 PSIA

PS3 20.9 PSIA

PCP RATIO 1.523

12/13/2018

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2
(CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C. PART POWER.

CIT 24 °C / 75 °F EGT 479 °C / 893 °F T7 TIME @ TEMP 0 THRUST 15159 LBS CORR. EPR 1.680

N1 % 83.10 N1 RPM 6,833

N2 % 91.10 N2 RPM 11,158

TIMER

MAIN OIL 50 PSIG

BREATHER 0.7 "HG

OIL IN 176 °F / 80 °C

OIL OUT 278 °F

MAIN FUEL 16 PSIG

FUEL FLOW 7795 PPH

FUEL IN 68 °F

PS4 206.5 PSIA PS3 171.6 HGA

CELL TEMP 75 °F BAROMETER 30.17 "HG

CORRECTED DATA

N1	6730
Fn	15663
N2	10989
EGT	456 °C
Wf	7560
TSFC	0.483

VIBRATION

COMP	2.1
TURB	2.4

CORR. PT2 30.11 HGA

PT2 AVG (CELL) -1.70 "H20

PT7 50.58 HGA

CORR. Ps3/Pt2 5.694

CORR. Ps4/Pt2 13.965

PCP 113.6 PSIA

PS3 84.2 PSIA

PCP RATIO 0.549

12/13/2018

FJ TURBINE POWER, INC
FAA REPAIR STATION F7JR192Y
JT8D Page 24
MODEL JT8D-217C S/N 726169 W.O. 5002171 CUSTOMER T.E.C.

	T7			COND	PARTPOWER
1.	901	F			
2.	881	F			
3.	881	F	CALCULATED AVG. 893 F		
4.	887	F			
5.	899	F			
6.	922	F	EGT SPREAD		
7.	883	F	EGT LO 881 ~~-0-~~ CHN216 EGT HI 922 ~~00~~ CHN217 EGT SPREAD 41 ~~-0-~~		
8.	886	F			

DATE 12/13/18

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2 (CURVE 1891-2)

MODEL: JT8D-217C S/N: 726169 WO: 5002171 CUST: T.E.C.

IDLE.

CIT 24 °C / 75 °F EGT 361 °C / 681 °F T7 TIME @ TEMP 0 THRUST 1177 LBS CORR. EPR 1.034

N1 % 26.70 N1 RPM 2,196

N2 % 54.26 N2 RPM 6,646

TIMER

MAIN OIL 45 PSIG

BREATHER 0.1 "HG

OIL IN 200 °F / 93 °C

OIL OUT 220 °F

MAIN FUEL 29 PSIG

FUEL FLOW 937 PPH

FUEL IN 71 °F

PS4 14.9 PSIA PS3 42.3 HGA

CELL TEMP 75 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	2162
Fn	1168
N2	6545
EGT	342 °C
Wf	908
TSFC	0.777

VIBRATION

COMP	0.1
TURB	0.2

CORR. PT2 30.15 HGA

PT2 AVG (CELL) -0.30 "H20

PT7 31.17 HGA

CORR. Ps3/Pt2 1.405

CORR. Ps4/Pt2 1.006

PCP 23.2 PSIA

PS3 20.8 PSIA

PCP RATIO 1.557

12/13/2018

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2
(CURVE 1891-2)

MODEL: JT8D-217C S/N: 726169 WO: 5002171 CUST: T.E.C.

TAKEOFF.

CIT 24 °C / 76 °F EGT 531 °C / 988 °F T7 TIME @ TEMP 0 THRUST 19578 LBS CORR. EPR 1.930

N1 % 91.10 N1 RPM 7,491

N2 % 95.10 N2 RPM 11,648

TIMER

MAIN OIL 50 PSIG

BREATHER 0.7 "HG

OIL IN 183 °F / 84 °C

OIL OUT 304 °F

MAIN FUEL 10 PSIG

FUEL FLOW 10369 PPH

FUEL IN 68 °F

PS4 254.4 PSIA PS3 203.2 HGA

CELL TEMP 76 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	7371
Fn	20115
N2	11462
EGT	506 °C
Wf	10055
TSFC	0.500

VIBRATION

COMP	1.2
TURB	1.5

CORR. PT2 30.07 HGA

PT2 AVG (CELL) -2.10 "H20

PT7 58.03 HGA

CORR. Ps3/Pt2 6.763

CORR. Ps4/Pt2 17.223

PCP 136.7 PSIA

PS3 99.9 PSIA

PCP RATIO 0.537

12/13/2018

FJ TURBINE POWER, INC
FAA REPAIR STATION F7JR192Y
JT8D Page 24
MODEL JT8D-217C S/N 726169 W.O. 5002171 CUSTOMER T.E.C.

	T7			COND	TAKEOFF
1.	1008	F			
2.	984	F			
3.	968	F	CALCULATED AVG. 988 F		
4.	973	F			
5.	996	F			
6.	1021	F	EGT SPREAD		
7.	972	F	EGT LO 968 ~~-0-~~ EGT HI 1021 ~~-00-~~ EGT SPREAD 53 ~~-0-~~ CHN216 CHN217		
8.	982	F			

DATE 12/13/18

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2 (CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C.

MAX. T/O.

CIT 24 °C / 76 °F EGT 542 °C / 1008 °F T7 TIME @ TEMP 0 THRUST 20412 LBS CORR. EPR 1.975

N1 % 92.39 N1 RPM 7,597

N2 % 95.81 N2 RPM 11,735

TIMER

MAIN OIL 50 PSIG

BREATHER 0.8 "HG

OIL IN 185 °F / 85 °C

OIL OUT 311 °F

MAIN FUEL 8 PSIG

FUEL FLOW 10948 PPH

FUEL IN 68 °F

PS4 263.1 PSIA PS3 208.9 HGA

CELL TEMP 76 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	7478
Fn	20948
N2	11547
EGT °C	516
Wf	10618
TSFC	0.507

VIBRATION

COMP	1.2
TURB	1.3

CORR. PT2 30.07 HGA

PT2 AVG (CELL) -2.00 "H20

PT7 59.38 HGA

CORR. Ps3/Pt2 6.946

CORR. Ps4/Pt2 17.813

PCP 141.3 PSIA

PS3 102.6 PSIA

PCP RATIO 0.537

12/13/2018

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2 (CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C. M. CONT.

CIT 24 °C / 76 °F EGT 504 °C / 939 °F T7 TIME @ TEMP 0 THRUST 17481 LBS CORR. EPR 1.807

N1 % 87.29 N1 RPM 7,178

N2 % 93.48 N2 RPM 11,450

TIMER

MAIN OIL 50 PSIG

BREATHER 0.6 "HG

OIL IN 192 °F / 89 °C

OIL OUT 309 °F

MAIN FUEL 13 PSIG

FUEL FLOW 9118 PPH

FUEL IN 68 °F

PS4 232.1 PSIA PS3 187.5 HGA

CELL TEMP 76 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	7063
Fn	18027
N2	11267
EGT	480 °C
Wf	8840
TSFC	0.490

VIBRATION

COMP	2.4
TURB	0.8

CORR. PT2 30.08 HGA

PT2 AVG (CELL) -1.90 "H20

PT7 54.34 HGA

CORR. Ps3/Pt2 6.234

CORR. Ps4/Pt2 15.710

PCP 125.5 PSIA

PS3 92.1 PSIA

PCP RATIO 0.541

12/13/2018

FJ TURBINE POWER,INC
FAA REPAIR STATION F7JR192Y
JT8D Page 24
MODEL JT8D-217C S/N 726169 W.O. 5002171 CUSTOMER T.E.C.

	T7			COND	M.CONT
1.	949	F			
2.	936	F			
3.	926	F	CALCULATED AVG. 939 F		
4.	927	F			
5.	943	F			
6.	980	F	EGT SPREAD		
7.	924	F	EGT LO 924 ~~0~~ CHN216 EGT HI 980 ~~00~~ CHN217 EGT SPREAD 56 ~~0~~		
8.	929	F			

DATE 12/13/18

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2 (CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C.

MAX. CR.

CIT 24 °C / 76 °F EGT 487 °C / 908 °F T7 TIME @ TEMP 0 THRUST 16003 LBS CORR. EPR 1.726

N1 % 84.63 N1 RPM 6,959

N2 % 92.15 N2 RPM 11,286

TIMER

MAIN OIL 50 PSIG

BREATHER 0.6 "HG

OIL IN 193 °F / 89 °C

OIL OUT 304 °F

MAIN FUEL 15 PSIG

FUEL FLOW 8225 PPH

FUEL IN 68 °F

PS4 216.4 PSIA PS3 176.9 HGA

CELL TEMP 76 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	6848
Fn	16515
N2	11106
EGT	462 °C
Wf	7973
TSFC	0.483

VIBRATION

COMP	2.4
TURB	0.8

CORR. PT2 30.08 HGA

PT2 AVG (CELL) -1.60 "H20

PT7 51.93 HGA

CORR. Ps3/Pt2 5.881

CORR. Ps4/Pt2 14.645

PCP 117.5 PSIA

PS3 86.9 PSIA

PCP RATIO 0.543

12/13/2018

FJ TURBINE POWER, INC
FAA REPAIR STATION F7JR192Y
JT8D Page 24
MODEL JT8D-217C S/N 726169 W.O. 5002171 CUSTOMER T.E.C.

	T7			COND	MAX CR.
1.	912	F			
2.	903	F			
3.	900	F	CALCULATED AVG. 908 F		
4.	899	F			
5.	908	F			
6.	949	F	EGT SPREAD		
7.	895	F	EGT LO 895 ~~0~~ EGT HI 949 ~~00~~ EGT SPREAD 54 ~~0~~ CHN216 CHN217		
8.	896	F			

DATE 12/13/18

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2 (CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C. C. BAND.

CIT 24 °C / 76 °F EGT 471 °C / 880 °F T7 TIME @ TEMP 0 THRUST 14601 LBS CORR. EPR 1.650

N1 % 82.11 N1 RPM 6,751

N2 % 90.96 N2 RPM 11,141

TIMER

MAIN OIL 50 PSIG

BREATHER 0.6 "HG

OIL IN 193 °F / 89 °C

OIL OUT 299 °F

MAIN FUEL 17 PSIG

FUEL FLOW 7481 PPH

FUEL IN 68 °F

PS4 201.5 PSIA PS3 166.5 HGA

CELL TEMP 76 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	6639
Fn	15117
N2	10963
EGT	447 °C
Wf	7251
TSFC	0.480

VIBRATION

COMP	2.0
TURB	1.0

CORR. PT2 30.09 HGA

PT2 AVG (CELL) -1.70 "H20

PT7 49.66 HGA

CORR. Ps3/Pt2 5.535

CORR. Ps4/Pt2 13.635

PCP 110.1 PSIA

PS3 81.8 PSIA

PCP RATIO 0.546

12/13/2018

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2
(CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C.

IDLE.

CIT 24 °C / 75 °F EGT 357 °C / 675 °F T7 TIME @ TEMP 0 THRUST 1191 LBS CORR. EPR 1.034

N1 % 26.60 N1 RPM 2,188

N2 % 54.21 N2 RPM 6,640

TIMER

MAIN OIL 45 PSIG

BREATHER 0.1 "HG

OIL IN 233 °F / 112 °C

OIL OUT 257 °F

MAIN FUEL 29 PSIG

FUEL FLOW 897 PPH

FUEL IN 68 °F

PS4 14.9 PSIA PS3 42.3 HGA

CELL TEMP 75 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	2155
Fn	1182
N2	6539
EGT	338 °C
Wf	869
TSFC	0.735

VIBRATION

COMP	0.1
TURB	0.2

CORR. PT2 30.15 HGA

PT2 AVG (CELL) -0.30 "H20

PT7 31.17 HGA

CORR. Ps3/Pt2 1.405

CORR. Ps4/Pt2 1.006

PCP 23.3 PSIA

PS3 20.8 PSIA

PCP RATIO 1.564

12/13/2018

FJ TURBINE POWER, INC FAA #F7JR192Y JT8D-200 ENGINE TEST FROM PAGE 26

THIS DATA HAS BEEN CORRECTED BY USING CORRECTED PT2 PER CMS TABLE NO. 1424 EQUATION 2
(CURVE 1891-2)

MODEL: JT8D-217C **S/N:** 726169 **WO:** 5002171 **CUST:** T.E.C. REVERSE.

CIT 24 °C / 76 °F EGT 536 °C / 998 °F T7 TIME @ TEMP 0 THRUST 19536 LBS CORR. EPR 1.925

N1 % 90.96 N1 RPM 7,479

N2 % 94.86 N2 RPM 11,619

TIMER

MAIN OIL 50 PSIG

BREATHER 0.8 "HG

OIL IN 175 °F / 79 °C

OIL OUT 295 °F

MAIN FUEL 10 PSIG

FUEL FLOW 10446 PPH

FUEL IN 68 °F

PS4 252.5 PSIA PS3 202.2 HGA

CELL TEMP 76 °F BAROMETER 30.15 "HG

CORRECTED DATA

N1	7359
Fn	20075
N2	11433
EGT	511 °C
Wf	10130
TSFC	0.505

VIBRATION

COMP	1.4
TURB	1.3

CORR. PT2 30.07 HGA

PT2 AVG (CELL) -2.00 "H20

PT7 57.90 HGA

CORR. Ps3/Pt2 6.736

CORR. Ps4/Pt2 17.094

PCP 137.5 PSIA

PS3 99.5 PSIA

PCP RATIO 0.545

12/13/2018

BLEED VALVE SCHEDULE

MIN LIMIT	67.8 CHN223	PS4 0.10 PSIG
MAX LIMIT	73.4 CHN224	PS3 5.70 PSIG
OPEN @	70.1 CHN225	PS3 41.7 HGA
CLOSED @	71.3 CHN226	

DATE 12/13/18

MODEL JT8D-217C S/N 726169 W.O. 5002171 CUSTOMER T.E.C.

ACCELERATION TIME CHECK

N2 RPM PERCENT 94.05

PERCENT RPM

0 10 20 30 40 50 60 70 80 90 100

TIME 4.0

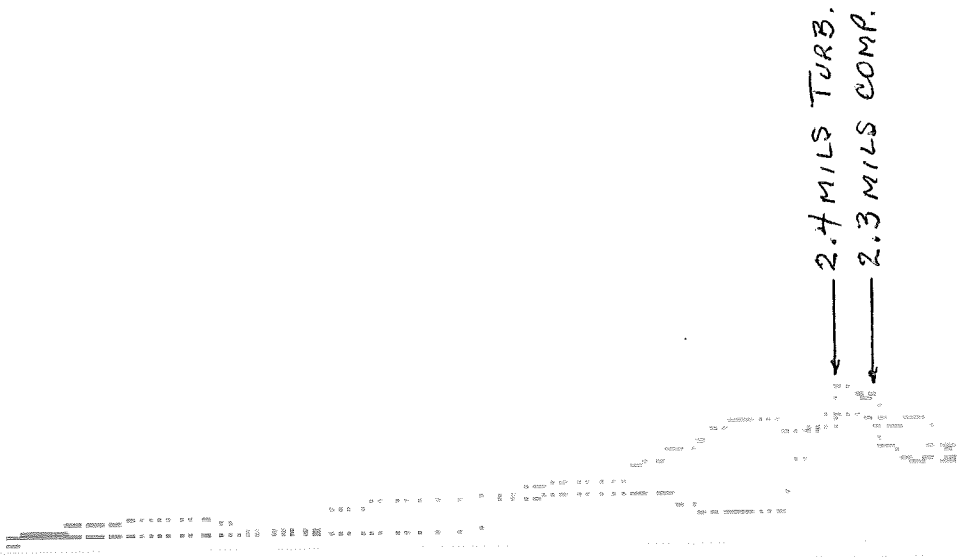
DATE 12/13/18

TIME OF DAY 11:37:30

(Ch 50) (Ch 51)

MILS VIB SCAN

ACCEL.



(Ch 50) (Ch 51)

MILS VIB SCAN

DECEL.

Turbine
ENGINE CENTER

BORESCOPE REPORT

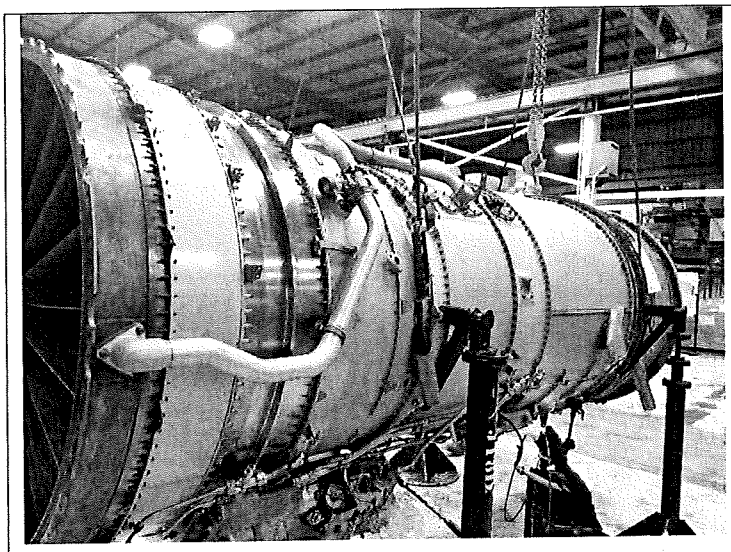
FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

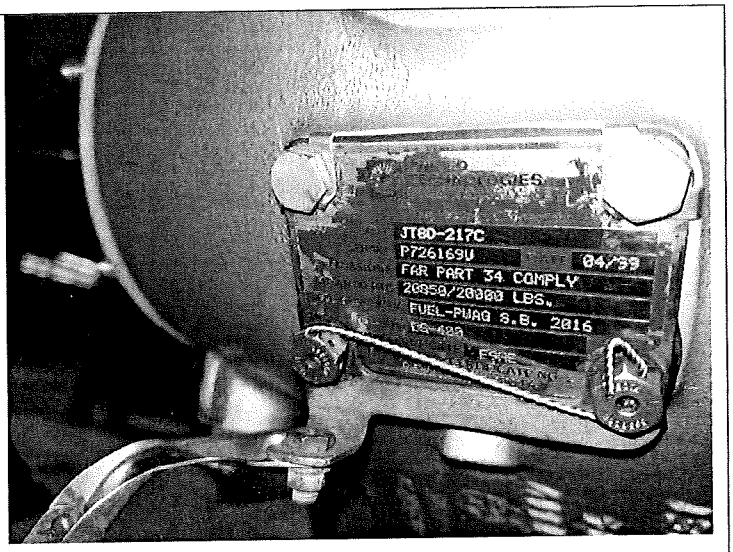
8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

Turbine ENGINE CENTER
FAA REPAIR STATION ZT9R445X

8050 NW 90th STREET
MEDLEY, FL 33166
(P) 3055.477.7771
(F) 305-477-7779

VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER J20147 ESN 726169





WORK ORDER	ENGINE SERIAL NUMBER	ENGINE MODEL
J20147	726169	JT8D-217C
AIR CRAFT TYPE	AIR CRAFT SERIAL NUMBER	AIR CRAFT REGISTER
SUPER727	UNKNOWN	UNKNOWN
CUSTOMER	LOCATION	POSITION
ASIA PACIFIC AIRLINES	TURBINE ENGINE CENTER	3
DATE	REASON	PERFORMED BY
12/14/2018	OUTGOING BORESCOPE	DANIEL GARCIA

OVERALL GENERAL INSPECTION	
Exterior Visual	No defects noted.
Accessory Drive Gearbox	No defects noted.
Compressor Cases	No defects noted.
Exhaust Nozzle	No defects noted.
Exhaust Cone	No defects noted.
Nose Cowling	Not installed.
Nose Bullet	Not installed.

Form: TECBS200

Turbine ENGINE CENTER
FAA REPAIR STATION ZT9R445X

VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER J20147 ESN 726169

8050 NW 90th STREET
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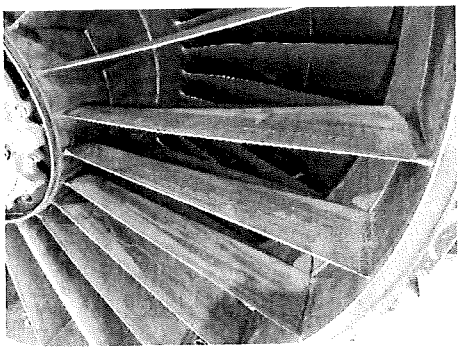
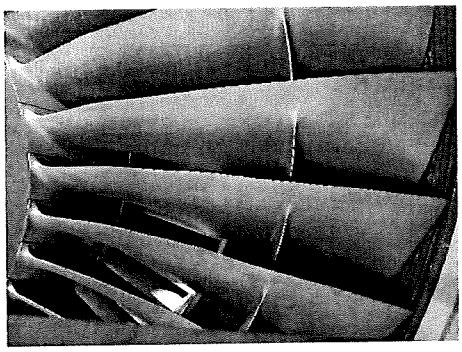
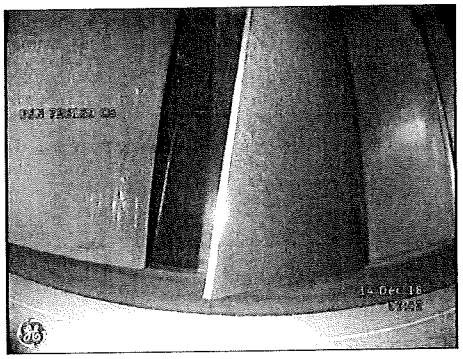
(F) 305-477-7779

SECTION	PICTURE
INLET CASE AREA & FAN STATORS No obvious defects noted. SUGGESTED ACTION None.	
C-1 BLADES No obvious defects noted. SUGGESTED ACTION None.	
C-6 BLADES No obvious defects noted. SUGGESTED ACTION None.	

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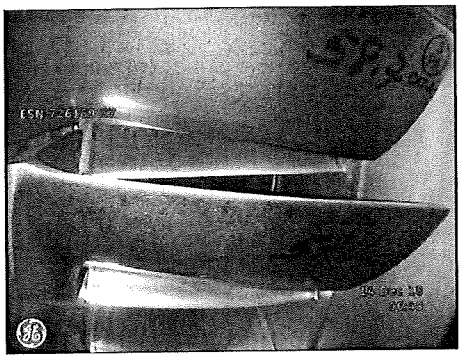
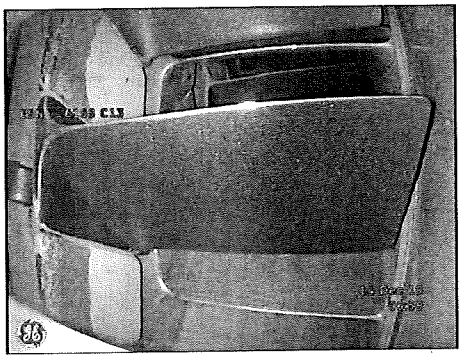
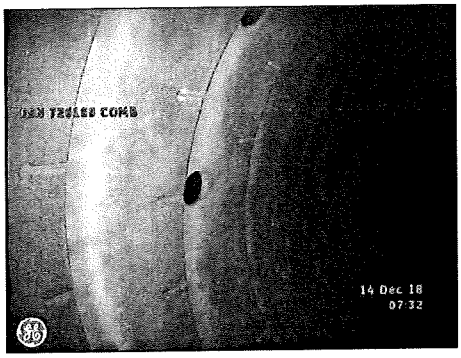
VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER J20147 ESN 726169

HIGH PRESSURE COMPRESSOR	
C-7 BLADES No obvious defects noted. SUGGESTED ACTION None.	
C-13 BLADES No obvious defects noted. SUGGESTED ACTION None.	
COMBUSTION AREA No obvious defects noted. SUGGESTED ACTION None.	

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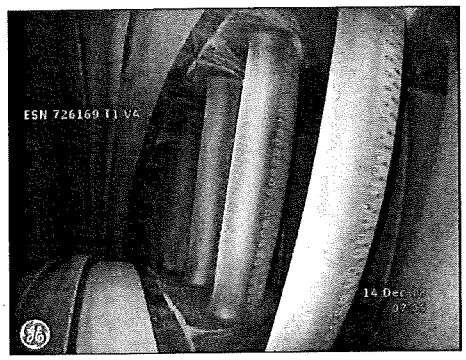
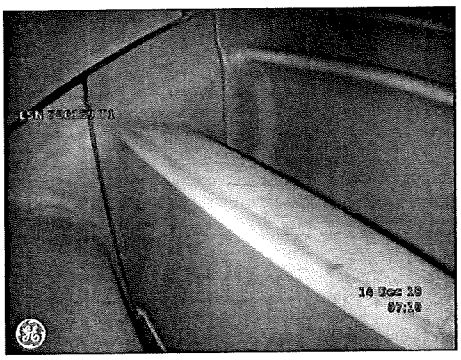
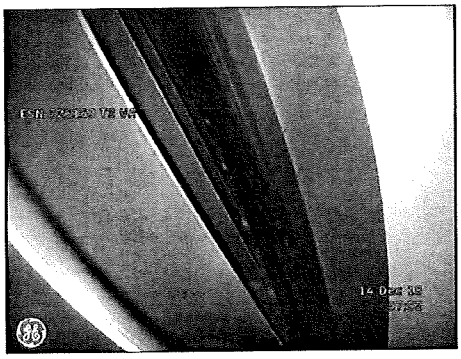
VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER J20147 ESN 726169

SECTION	PICTURE
T-1 VANES No obvious defects noted. SUGGESTED ACTION None.	
T-1 BLADES No obvious defects noted. SUGGESTED ACTION None.	
T-2 VANES No obvious defects noted. SUGGESTED ACTION None.	

Form: TECBS200

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FAA REPAIR STATION ZT9R445X

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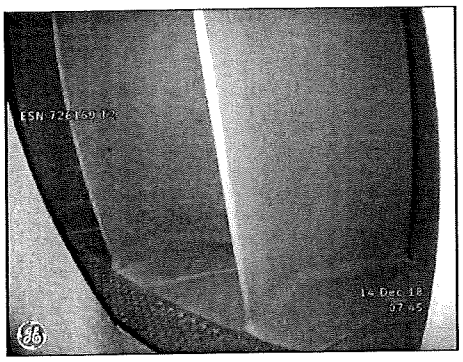
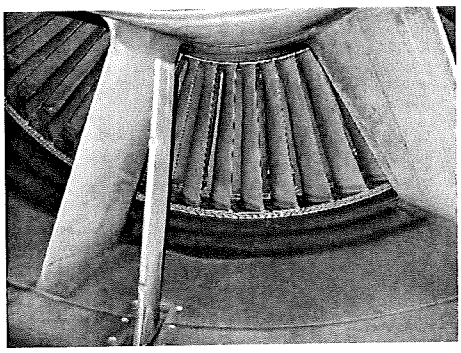
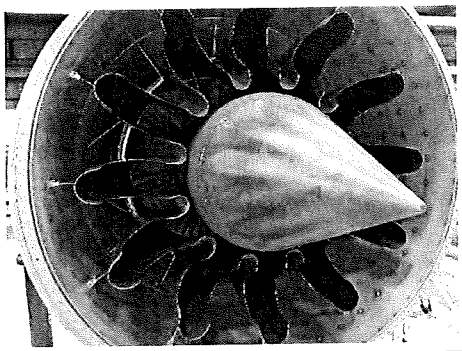
VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER J20147 ESN 726169

SECTION	PICTURE
T-2 BLADES No obvious defects noted. SUGGESTED ACTION None.	
T-4 BLADES No obvious defects noted. SUGGESTED ACTION None.	
EXHAUST CASE No obvious defects noted. SUGGESTED ACTION None.	

Signature: _____

Name: DANIEL GARCIA

Date: 12/14/2018

Form: TECBS200

Turbine
ENGINE CENTER

QEC INVENTORY

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

Turbine
ENGINE CENTER

NON-INCIDENT

FAA REPAIR STATION ZT9R445X, EASA REPAIR STATION EASA.145.6135

8050 NW 90TH STREET MEDLEY, FL 33166, P:305.477.7771, F:305.477.7779

MF-43

Material Certification

Date: 03 August 2016

Seller/Provider: Asia Pacific Airlines

Purchase Order Number:

Item	Part Number	Description	Quantity	Serial Number	Status
1	JT8D-217C	ENGINE	1	726169	UNSERVICEABLE

Time Remaining: N/A
Cycles Remaining: 7962 LP SHAFT
Obtained From: N705AA

Total Time: 7779.9
Total Cycles: 4038
Removal Date: 20 MAY 2016

TSSV: 1777.3
CSSV: 520

The Seller/Provider certifies that the material shipped against the above purchase order is in repairable/unserviceable condition and was originally manufactured by an FAA Production Approval Holder or by a PMA source, or, where applicable, to an industry or commercial standard. The undersigned certifies that this material was not obtained from any US or foreign government military source; has not been subject to extreme heat or other form of extreme stress, e.g. engine failure, fire, accident; and to its knowledge these parts have not been immersed in salt water or otherwise exposed to corrosive agents outside normal operation.

Name: Jamie Aguon

Signed: [signature]

Date: 03 AUG 2016