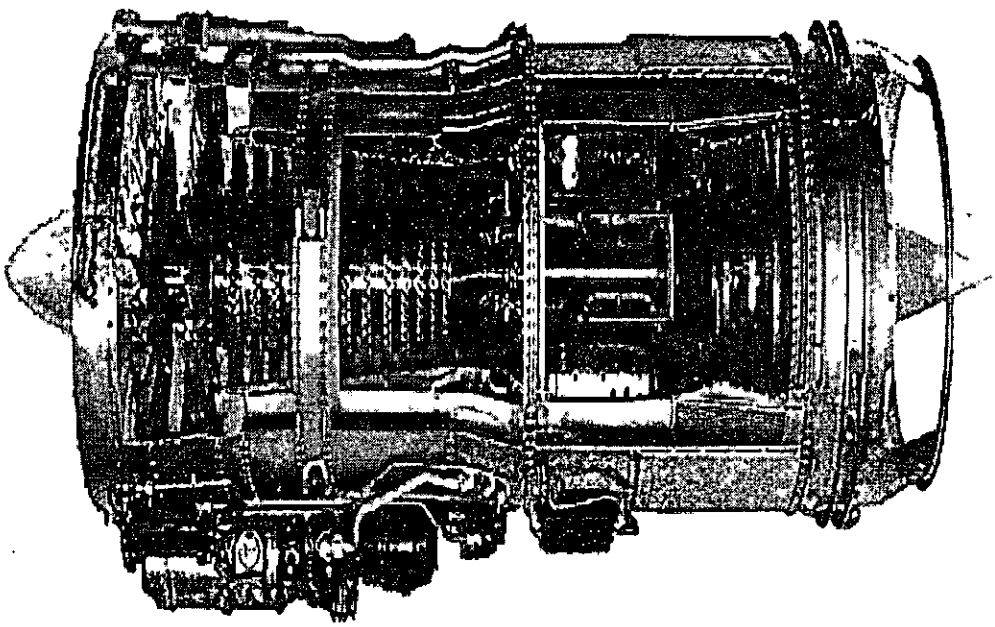
TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION Nº ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

ENGINE PERTINENT RECORDS PACKAGE

JT8D-219

ENGINE S/N 717829
W/O 20060



ORIGINAL

1. Approving Civil Aviation Authority / Country	2.	3 Form Tracking Number:
FAA / UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA 8130-3 AIRWORTHINESS APPROVAL TAG	20060

4. ORGANIZATION:	5. Work Order / Contractor / Invoice Number
Turbine ENGINE CENTER **Turbine Engine Center, Inc.** **8050 NW 90th Street** **Medley, FL 33166** **USA** **FAA Repair Station No: ZT9R445X**	ESN 717829-219

6. Item	7. Description	8. Part Nunber	9. Quantity	10. Serial / Batch Number.	11. Status / Work
1	Turbofan Engine	JT8D-219	1EA	717829	Repaired

12. Remarks.

Subject Engine was cleaned, inspected, repaired, assembled, tested, and borescoped IAW Pratt & Whitney JT8D E/M 773128 R99, dated October 15, 2013.

All A.D.s were reviewed and found to be current the following S.B.'s were incorporated this visit: 5731R2, A5944R5, & A6224R6.

Performed 90 day plus preservation of the fuel and oil systems IAW P&W E/M 773128 R99 72-00-00 Storage-01.

ETT: 63,044 ETC: 32,776 (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 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Part 145 Approval Certificate # EASA 145.6302.

14. Certifies the items identified above were manufactured in conformity to:	19.			
NA Approved Design data and are in a condition for safe operation NA Non-Approved Design data specified in Block # 13	Yes	14 CFR 43.9 Return to Service	Yes	Other regulation specified in block # 13
	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.			
15. Authorized Signature: N/A	16. Approval/Authorization No. N/A	20. Authorized Signature:	21. Certificate Number. ZT9R445X	
17. Name (Typed or printed): N/A	18. Date (m/dd/yyyy): N/A	22. Name (typed or printed): ERNESTO LARA	23. Date (dd/mmm/yyyy): 27/Feb/2014	

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 14 and 19 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, INC.
FAA REPAIR STATION Nº ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

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,

Kristoffer Palacios
Chief Inspector
Turbine Engine Center, Inc.

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION N° ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

FAA Form 337

U.S. Department of Transportation
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-219	717829
☐	☐	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
Director of Maintenance - Richard Gonzalez
02/27/2014

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
Accountable Manager – Ernesto Lara
02/27/2014

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.)

Work Order: 20060			
Model: JT8D-219	**Engine Serial Number: 717829**	Nationality and Registration Mark	Date
ETT: 63,044	**ETC: 32,776**		

The following is a summary of the work accomplished.

- The **Cold Section / Intermediate Module** was replaced with a serviceable 217C / 219 compatible assembly.
- The **High Compressor Section** was replaced with a serviceable 217C / 219 compatible assembly.
- The **Diffuser Section** was replaced with a serviceable 217C / 219 compatible assembly.
- The **Hot Section** was replaced with a serviceable 217C / 219 compatible assembly.
- The **High Pressure Turbine** was replaced with a serviceable 217C / 219 compatible assembly.
- The **Low Pressure Turbine** was replaced with a serviceable 217C / 219 compatible assembly.
- The **Exhaust Case & Mixer** was replaced with a serviceable 217C / 219 compatible assembly.
- All Main **Bearings** were replaced with serviceable units.
- The **Gearbox** was replaced with a serviceable 217C / 219 compatible assembly.
- All pertinent **Airworthiness Directives** were reviewed and were found to be current at this visit.
-
- The following **Service Bulletins** were embodied at this visit:

1. 5731R2 Engine part power trim check and issued Post 5731 Data Plate.
2. A5944R5 Inspection oil temperature indicators on No. 4 to No. 5 Scavenge Tube
3. A6224R6 Shroud Notch Wear Inspection

- No Known Unapproved Parts installed.
- Performed 90 day plus preservation of the fuel and oil systems IAW P&W E/M 773128 R99 72-00-00 Storage-01.

Subject engine was repaired, tested and found to be serviceable in accordance with Pratt & Whitney Engine Manual P/N 773128 Revision 99 dated October 15, 2013. All pertinent details of the above are on file at this Repair Station under W.O. # 20060.

N/A☐ Additional Sheet Are Attached

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION N° ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

FAA Form 8130-3

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION Nº ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

AD Summary

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION N° ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166 PHONE (305) 477-7771 FAX (305) 477-7779

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

Work Order 20060

ENGINE MODEL: JT8D-219 *ENGINE S/N:* 717829 *TT:* 63,044 *TC:* 32,776

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*

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-219.
87-03-13	5618	Replace 5th Stage Compressor Blades P/N 778505. Applies to: JT8D-209, 217, and 217A.		X	**NA1:** to JT8D-219.
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.
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:** verified this 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: Ernesto Lara *DATE:* 02/27/2014

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JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

Work Order 20060

ENGINE MODEL: *JT8D-219* *ENGINE S/N:* *717829* *TT:* *63,044* *TC:* *32,776*

A.D. NUMBER EFF. DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*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* ***5004308-32*** *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:*** Terminating action previously accomplished.
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*	***NA4:*** *to P/N 5000501-01 S/N N71984.*
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*
97-17-04R1	*A6272 R2*	*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*	***NA4:*** *to P/N 5000501-01 S/N N71984.* *CW at next disassembly*
97-19-13	*A5944 R4*	*Superseded by AD 2005-21-01*			*Superseded by AD 2005-21-01*

REVIEWED BY: *Ernesto Lara* *DATE:* *02/27/2014*

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JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

Work Order 20060

ENGINE MODEL: *JT8D-219* *ENGINE S/N:* *717829* *TT:* *63,044* *TC:* *32,776*

A.D. NUMBER EFF. DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*NO*	*COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.*
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 and S/N's installed.*
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 and 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*	*NA3: to P/N*
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*

REVIEWED BY: *Ernesto Lara* *DATE:* *02/27/2014*

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JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

Work Order 20060

ENGINE MODEL: *JT8D-219* *ENGINE S/N:* *717829* *TT:* *63,044* *TC:* *32,776*

A.D. NUMBER EFF. DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*NO*	*COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.*
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*
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:** terminated action previously accomplished.*
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*		***PCW:** Previously Complied With June 2012 Re-Inspect at or Before June 2021.*
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*	***CW:** terminated action accomplished.*
2005-02-03		*Superseded by AD 2011-07-02*			*Superseded by AD 2011-07-02*

REVIEWED BY: *Ernesto Lara* *DATE:* *02/27/2014*

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8050 NW 90th STREET MEDLEY, FLORIDA 33166 PHONE (305) 477-7771 FAX (305) 477-7779

JT8D-200 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

Work Order 20060

ENGINE MODEL: *JT8D-219* *ENGINE S/N:* *717829* *TT:* *63,044* *TC:* *32,776*

A.D. NUMBER EFF. DATE	*PWA SERVICE BULLETIN*	*DESCRIPTION*	*REPETITIVE INSPECTION YES*	*NO*	*COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.*
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 and S/N's installed.*
2005-18-02		*Superseded By AD 2011-04-04*			*Superseded By AD 2011-04-04*
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.*
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:** terminated action accomplished.*
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*		***ND:** Re-inspection due at next detail inspection.*
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*		***PCW:** re-inspection due within 1,000 cycles.*
	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*	***C/W:** terminating action accomplished.*

REVIEWED BY: *Ernesto Lara* *DATE:* *02/27/2014*

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION Nº ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

Life Limited Parts Summary

TURBINE ENGINE CENTER, INC.

FAA REPAIR STATION Nº ZT9R445X

JT8D LIFE LIMITED STATUS

20060
Engine Model: JT8D-219
Engine S/N: 717829

Engine Total Time: 63,044.00
Engine Total Cycles: 32,776.00

Disk Stage	Part Number	Serial Number	Life Limit		Life Used		Life Remaining	
			Hours	Cycles	Hours	Cycles	Hours	Cycles
LPC MODULE								
*C-1	5000501-01	N71984	N/A	20,000	N/A	18,766	N/A	1,234
*C-1.5	800115	R32325	N/A	20,000	N/A	18,766	N/A	1,234
*C-2	772402	R94392	N/A	20,000	N/A	18,766	N/A	1,234
*C-3	772803	R57134	N/A	20,000	N/A	18,766	N/A	1,234
*C-4	777704	R57007	N/A	20,000	N/A	18,766	N/A	1,234
*C-5	802105	R15776	N/A	20,000	N/A	18,766	N/A	1,234
*C-6	772806	R99344	N/A	20,000	N/A	18,766	N/A	1,234
HPC MODULE								
*C-7	5006007-021	K20476	N/A	16,546	N/A	14,321	N/A	2,225
*C-8	797938-004	BENCAK6444	N/A	20,000	N/A	17,952	N/A	2,048
*C-9	798509-001	BENCAL0714	N/A	20,000	N/A	17,952	N/A	2,048
*C-10	772510-001	BENCAK9134	N/A	20,000	N/A	17,952	N/A	2,048
*C-11	772511-001	B211AA0243	N/A	20,000	N/A	18,421	N/A	1,579
*C-12	798512-001	BENCAL8254	N/A	20,000	N/A	15,417	N/A	4,583
*C-13	804113	R89641	N/A	20,000	N/A	18,766	N/A	1,234
HPT MODULE								
*T-1	855701	P06930	N/A	20,000	N/A	18,766	N/A	1,234
*SHAFT	5000947-01	BKLBBU9580	N/A	20,000	N/A	17,973	N/A	2,027
LPT MODULE								
*T-2	777622	BLDLA33796	N/A	20,000	N/A	17,978	N/A	2,022
*T-3	777603	BLDL05068	N/A	20,000	N/A	17,978	N/A	2,022
*T-4	800804	BLDLCG7410	N/A	20,000	N/A	17,978	N/A	2,022
*SHAFT	783319	BLDLCB7116	N/A	20,663	N/A	18,769	N/A	1,894
	SB 5019 2ND Rework		N/A	N/A	N/A	N/A	N/A	N/A

NOTE: TIMES & CYCLES SUPPLIED BY CUSTOMER

* Denotes Disk Change at this Shop Visit.

AUTHORIZED SIGNATURE _____
Ernesto Lara, Accountable Manager

2/26/2014
Date

8050 NW 90th Street Medley, Florida 33166 Phone: (305) 477-7771 Fax: (305) 477-7779

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION N° ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

Test Cell Data

FAA REPAIR STATION # F7JR192Y

TEST CELL RESULTS

W. O.: 5001697

MODEL: JT8D-219

ESN: 717829

F. J. Turbine Power, Inc.

DATE TESTED: 27-Feb-14

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
5001697	JT8D-219	717829

TEST SPECIFICATIONS: MANUAL USED P/N 773128 REV.# 99 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 INSP.		
2	MAIN OIL TEMPERATURE.	FJTP 21 INSP.		
3	OIL CONSUMPTION.	FJTP 21 INSP.		
4	BREATHER PRESSURE	FJTP 21 INSP.		
5	MAXIMUM EXHAUST GAS TEMPERATURE (EGT)	FJTP 21 INSP.		
6	EXHAUST GAS TEMPERATURE (EGT) SPREAD.	FJTP 21 INSP.		
7	FRONT VIBRATION LIMITS.	FJTP 21 INSP.		
8	REAR VIBRATION LIMITS.	FJTP 21 INSP.		
9	TURBINE COOLING PRESSURE.	FJTP 21 INSP.		
10	MAXIMUM LOW COMPRESSOR SPEED.	FJTP 21 INSP.		
11	MAXIMUM HIGH COMPRESSOR SPEED.	FJTP 21 INSP.		
12	E.P.R. vs. THRUST RELATIONSHIP.	FJTP 21 INSP.		
13	ACCELERATION TIME.	FJTP 21 INSP.		
14	ANTI-SURGE BLEED CHECK.	FJTP 21 INSP.		
15	AUTOMATIC RESERVE THRUST INCREMENT.	FJTP 21 INSP.		
16	SPEED DATA PLATE. OBSERVED: R.P.M.: 11,049 PERCENT: 90.23 %	FJTP 21 INSP.		
17	RE-STAMP OF DATA PLATE REQUIRED IF ENGINE QUALIFIES BASED ON WORK PERFORME	NO [ ]	YES [X]	
18	COMMENTS:	TAKE-OFF LIMIT	TAKE-OFF - ACTUAL	TAKE-OFF MARGIN
	RED LINE	590 °C (OBSERVED)	562 °C (OBSERVED)	28 °C
	EHM (for Pt7/Pt2)	546 °C (CORRECTED)	540 °C (CORRECTED)	6 °C
	CIT: 73 ° F			

F. J. Turbine Power, Inc.

FAA Approved Repair Station F7JR192Y
Form Q 009 - 1/5/04
Engine Work Card: FJT 5002 R2 5/3/2013

DATE TESTED: 27-Feb-14

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
5001697	JT8D-219	717829

CUSTOMER	TEST CELL No.	TEST START	TEST STOP	TEST HOURS
T.E.C.	6	7:00	8:25	1 HR 25 MINS.

TEST SPECIFICATIONS: MANUAL P/N: 773128 REV.# 99 TYPE OF TEST: TEST # 3

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

N2 SPEED DATA PLATE: % RPM		WEATHER		BLEED VALVE CHECK	
FUEL PUMP	P/N: 384300	TIME TAKEN:	7:05	SCHED MAX. (CHART)	73.0 "HGA
	S/N: 7762	BAROMETER:	29.89	SCHED MIN. (CHART)	67.4 "HGA
FCU	P/N: 769606-15	CIT OR OAT:	73 °F	OPENED AT	71.2 "HGA
	S/N: F11577	DRY BULB TEMP	73 °F	CLOSED AT	71.5 "HGA
BELL MOUTH S/N: TC015		WET BULB TEMP	67 °F	TRIM DATA	
TEST NOZZLE S/N: TC016		HUMIDITY	99 %	PART POWER PT7 TARGET	51.06 "HGA
TEST NOZZLE AREA: 7.601 SQUARE FEET		DEW POINT	78 °F	TAKE OFF POWER PT7 TARGET	59.75 "HGA
OIL CONSUMPTION: NIL GPH	AMOUNT OF OIL USED: 6 GALLONS			IDLE N2 TRIMMED TO	6530 RPM
FUEL TYPE: JET A	OIL TYPE: BP2197			ACCELERATION TIME	4 SEC.

FUEL B.T.U. RATING 18560	SP. GR. 0.798	FUEL METER START 492991	FUEL METER STOP 493995	TOTAL FUEL USED: 1004 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 PALTE CHECK AT 1.65 EPR - N2 RPM 11049 @ 90.23 % RE-STAMP DATA PLATE NO [ ] YES [X]

PRESERVED FUEL AND OIL SYSTEMS YES [X] NO [ ] DATE: 27-Feb-14

NOTES: **COAST DOWN TIME : N2.- 1:54 MINS. N1.- 2:33 MINS.**

TESTED BY: R. BRILL. FJTP 20 MECH

INSPECTED BY: E. HERNANDEZ FJTP 21 INSP.

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

IDLE.

CIT 23 °C / 73 °F EGT 388 °C / 731 °F T7 TIME @ TEMP 0 THRUST 1125 LBS CORR. EPR 1.033

N1 % 26.51 N1 RPM 2,180

N2 % 54.26 N2 RPM 6,646

TIMER

MAIN OIL 46 PSIG

BREATHER 0.1 "HG

OIL IN 141 °F / 61 °C

OIL OUT 159 °F

MAIN FUEL 28 PSIG

FUEL FLOW 1080 PPH

FUEL IN 77 °F

PS4 14.4 PSIA PS3 41.3 HGA

CELL TEMP 73 °F BAROMETER 29.89 "HG

CORRECTED DATA

N1	2151
Fn	1126
N2	6558
EGT	371 °C
Wf	1054
TSFC	0.936

VIBRATION

COMP	0.3
TURB	1.7

CORR. PT2 29.88 HGA

PT2 AVG (CELL) -0.10 "H20

PT7 30.86 HGA

CORR. Ps3/Pt2 1.383

CORR. Ps4/Pt2 0.981

PCP 22.6 PSIA

PS3 20.3 PSIA

PCP RATIO 1.569

2/27/2014

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C. PART POWER.

CIT 23 °C / 73 °F EGT 496 °C / 924 °F T7 TIME @ TEMP 0 THRUST 15535 LBS CORR. EPR 1.712

N1 % 83.82 N1 RPM 6,892

N2 % 92.29 N2 RPM 11,304

TIMER

MAIN OIL 49 PSIG

BREATHER 0.8 "HG

OIL IN 177 °F / 81 °C

OIL OUT 294 °F

MAIN FUEL 24 PSIG

FUEL FLOW 8189 PPH

FUEL IN 76 °F

PS4 208.6 PSIA PS3 168.2 HGA

CELL TEMP 73 °F BAROMETER 29.89 "HG

CORRECTED DATA

N1	6800
Fn	16186
N2	11154
EGT	475 °C
Wf	8008
TSFC	0.495

VIBRATION

COMP	1.8
TURB	1.1

CORR. PT2 29.82 HGA

PT2 AVG (CELL) -1.20 "H20

PT7 51.06 HGA

CORR. Ps3/Pt2 5.639

CORR. Ps4/Pt2 14.242

PCP 123.1 PSIA

PS3 82.6 PSIA

PCP RATIO 0.590

2/27/2014

FJ TURBINE POWER, INC
FAA REPAIR STATION F7JR192Y
JT8D Page 24

MODEL JT8D-219 S/N 717829 W.O. 5001697 CUSTOMER T.E.C.

	T7			COND	PARTPOWER
1.	908	F			
2.	895	F			
3.	887	F	CALCULATED AVG. 924 F		
4.	925	F			
5.	973	F			
6.	948	F	EGT SPREAD		
			EGT LO 887 ~~0~~ EGT HI 973 ~~00~~ EGT SPREAD 86 ~~0~~		
7.	928	F	CHN216 CHN217		
8.	925	F			

DATE 02/27/14

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

IDLE.

CIT 23 °C / 73 °F EGT 387 °C / 728 °F T7 TIME @ TEMP 0 THRUST 1126 LBS CORR. EPR 1.032

N1 % 26.41 N1 RPM 2,172

N2 % 54.26 N2 RPM 6,646

TIMER

MAIN OIL 44 PSIG

BREATHER 0.1 "HG

OIL IN 207 °F / 97 °C

OIL OUT 230 °F

MAIN FUEL 28 PSIG

FUEL FLOW 1005 PPH

FUEL IN 77 °F

PS4 14.5 PSIA PS3 41.3 HGA

CELL TEMP 73 °F BAROMETER 29.89 "HG

CORRECTED DATA

N1	2143
Fn	1127
N2	6558
EGT	369 °C
Wf	981
TSFC	0.870

VIBRATION

COMP	0.3
TURB	1.6

CORR. PT2 29.88 HGA

PT2 AVG (CELL) -0.10 "H20

PT7 30.85 HGA

CORR. Ps3/Pt2 1.383

CORR. Ps4/Pt2 0.988

PCP 23.1 PSIA

PS3 20.3 PSIA

PCP RATIO 1.593

2/27/2014

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

TAKEOFF.

CIT 23 °C / 73 °F EGT 562 °C / 1044 °F T7 TIME @ TEMP 0 THRUST 20435 LBS CORR. EPR 2.003

N1 % 92.67 N1 RPM 7,620

N2 % 96.81 N2 RPM 11,858

CORRECTED DATA

N1	7527
Fn	21138
N2	11701
EGT	540 °C
Wf	11026
TSFC	0.522

CORR. PT2 29.83 HGA

PT2 AVG (CELL) -1.20 "H20

PT7 59.75 HGA

TIMER

MAIN OIL 49 PSIG

MAIN FUEL 21 PSIG

FUEL FLOW 11279 PPH

BREATHER 1.4 "HG

FUEL IN 76 °F

VIBRATION

COMP	1.2
TURB	0.7

OIL IN 182 °F / 83 °C

CORR. Ps3/Pt2 6.792

CORR. Ps4/Pt2 17.864

PS4 261.7 PSIA PS3 202.8 HGA

OIL OUT 334 °F

PCP 150.0 PSIA

CELL TEMP 73 °F BAROMETER 29.91 "HG

PS3 99.5 PSIA

PCP RATIO 0.573

2/27/2014

FJ TURBINE POWER, INC
FAA REPAIR STATION F7JR192Y
JT8D Page 24

MODEL JT8D-219 S/N 717829 W.O. 5001697 CUSTOMER T.E.C.

	T7			COND	TAKEOFF
1.	1040	F			
2.	1026	F			
3.	997	F	CALCULATED AVG. 1044 F		
4.	1041	F			
5.	1096	F			
6.	1066	F	EGT SPREAD		
			EGT LO 997 ~~0~~ EGT HI 1096 ~~00~~ EGT SPREAD 99 ~~0~~		
7.	1044	F	CHN216 CHN217		
8.	1042	F			

DATE 02/27/14

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

MAX. T/O.

CIT 23 °C / 73 °F EGT 572 °C / 1061 °F T7 TIME @ TEMP 0 THRUST 21083 LBS CORR. EPR 2.036

N1 % 94.10 N1 RPM 7,737

N2 % 97.00 N2 RPM 11,881

CORRECTED DATA

N1	7634
Fn	21790
N2	11723
EGT	549 °C
Wf	11517
TSFC	0.529

CORR. PT2 29.82 HGA

PT2 AVG (CELL) -1.50 "H20

PT7 60.73 HGA

TIMER

MAIN FUEL 22 PSIG

MAIN OIL 49 PSIG

FUEL FLOW 11781 PPH

BREATHER 1.1 "HG

FUEL IN 76 °F

VIBRATION

COMP	1.2
TURB	0.6

OIL IN 176 °F / 79 °C

CORR. Ps3/Pt2 6.458

CORR. Ps4/Pt2 16.616

PS4 243.4 PSIA PS3 208.9 HGA

OIL OUT 321 °F

PCP 143.1 PSIA

CELL TEMP 73 °F BAROMETER 29.91 "HG

PS3 94.6 PSIA

PCP RATIO 0.591

2/27/2014

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C. M. CONT.

CIT 23 °C / 73 °F EGT 533 °C / 992 °F T7 TIME @ TEMP 0 THRUST 18284 LBS CORR. EPR 1.670

N1 % 88.77 N1 RPM 7,299

N2 % 94.96 N2 RPM 11,630

TIMER

MAIN OIL 49 PSIG

BREATHER 1.3 "HG

OIL IN 191 °F / 88 °C

OIL OUT 335 °F

MAIN FUEL 22 PSIG

FUEL FLOW 9851 PPH

FUEL IN 76 °F

PS4 237.4 PSIA PS3 186.7 HGA

CELL TEMP 73 °F BAROMETER 29.91 "HG

CORRECTED DATA

N1	7202
Fn	18975
N2	11476
EGT	512 °C
Wf	9630
TSFC	0.507

VIBRATION

COMP	0.9
TURB	0.9

CORR. PT2 29.83 HGA

PT2 AVG (CELL) -1.40 "H20

PT7 55.80 HGA

CORR. Ps3/Pt2 6.258

CORR. Ps4/Pt2 16.201

PCP 137.5 PSIA

PS3 91.7 PSIA

PCP RATIO 0.579

2/27/2014

MODEL JT8D-219 S/N 717829 W.O. 5001697 CUSTOMER T.E.C.

	T7			COND	M.CONT
1.	986	F			
2.	967	F			
3.	956	F	CALCULATED AVG. 992 F		
4.	992	F			
5.	1041	F			
6.	1012	F	EGT SPREAD		
			EGT LO 956 ~~-0-~~ EGT HI 1041 ~~00~~ EGT SPREAD 85 ~~-0-~~		
7.	986	F	CHN216 CHN217		
8.	994	F			

DATE 02/27/14

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

MAX. CR.

CIT 23 °C / 73 °F EGT 501 °C / 933 °F T7 TIME @ TEMP 0 THRUST 15887 LBS CORR. EPR 1.732

N1 % 84.29 N1 RPM 6,931

N2 % 92.77 N2 RPM 11,362

CORRECTED DATA

N1	6839
Fn	16528
N2	11211
EGT	480 °C
Wf	8193
TSFC	0.496

CORR. PT2 29.84 HGA

PT2 AVG (CELL) -1.00 "H20

PT7 51.68 HGA

TIMER

MAIN FUEL 24 PSIG

MAIN OIL 49 PSIG

FUEL FLOW 8384 PPH

BREATHER 0.8 "HG

FUEL IN 77 °F

VIBRATION

COMP	2.0
TURB	1.2

CORR. Ps3/Pt2 5.670

OIL IN 190 °F / 88 °C

CORR. Ps4/Pt2 14.437

PS4 211.6 PSIA PS3 169.0 HGA

OIL OUT 313 °F

PCP 124.6 PSIA

CELL TEMP 73 °F BAROMETER 29.91 "HG

PS3 83.1 PSIA

PCP RATIO 0.588

2/27/2014

FJ TURBINE POWER, INC
FAA REPAIR STATION F7JR192Y

MODEL JT8D-219 S/N 717829 W.O. 5001697 CUSTOMER T.E.C.

T7 COND MAX CR.

1. 924 F
2. 905 F
3. 907 F CALCULATED AVG.
   933 F
4. 932 F
5. 982 F
6. 958 F EGT SPREAD
7. 927 F EGT LO 905 ~~0~~ EGT HI 982 ~~00~~ EGT SPREAD 77 ~~0~~
   CHN216 CHN217
8. 929 F

DATE 02/27/14

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C. C. BAND

CIT 22 °C / 72 °F EGT 482 °C / 899 °F T7 TIME @ TEMP 0 THRUST 14439 LBS CORR. EPR 1.650

N1 % 81.53 N1 RPM 6,704

N2 % 91.34 N2 RPM 11,187

TIMER

MAIN OIL 48 PSIG

BREATHER 0.7 "HG

OIL IN 187 °F / 86 °C

OIL OUT 301 °F

MAIN FUEL 24 PSIG

FUEL FLOW 7495 PPH

FUEL IN 77 °F

PS4 196.0 PSIA PS3 158.6 HGA

CELL TEMP 72 °F BAROMETER 29.91 "HG

CORRECTED DATA

N1	6610
Fn	15075
N2	11049
EGT	463 °C
Wf	7332
TSFC	0.486

VIBRATION

COMP	0.9
TURB	1.6

CORR. PT2 29.84 HGA

PT2 AVG (CELL) -0.90 "H20

PT7 49.25 HGA

CORR. Ps3/Pt2 5.314

CORR. Ps4/Pt2 13.371

PCP 116.2 PSIA

PS3 77.9 PSIA

PCP RATIO 0.592

2/27/2014

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

IDLE

CIT 22 °C / 72 °F EGT 383 °C / 722 °F T7 TIME @ TEMP 0 THRUST 1165 LBS CORR. EPR 1.033

N1 % 26.46 N1 RPM 2,176

N2 % 54.35 N2 RPM 6,657

TIMER

MAIN OIL 43 PSIG

BREATHER 0.1 "HG

OIL IN 224 °F / 107 °C

OIL OUT 249 °F

MAIN FUEL 28 PSIG

FUEL FLOW 1005 PPH

FUEL IN 77 °F

PS4 14.5 PSIA PS3 41.3 HGA

CELL TEMP 72 °F BAROMETER 29.91 "HG

CORRECTED DATA

N1	2149
Fn	1166
N2	6575
EGT	367 °C
Wf	981
TSFC	0.842

VIBRATION

COMP	0.3
TURB	1.4

CORR. PT2 29.90 HGA

PT2 AVG (CELL) 0.00 "H20

PT7 30.88 HGA

CORR. Ps3/Pt2 1.382

CORR. Ps4/Pt2 0.987

PCP 23.4 PSIA

PS3 20.3 PSIA

PCP RATIO 1.614

2/27/2014

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-219 **S/N:** 717829 **WO:** 5001697 **CUST:** T.E.C.

REVERSE.

CIT 22 °C / 72 °F EGT 560 °C / 1040 °F T7 TIME @ TEMP 0 THRUST 20445 LBS CORR. EPR 1.991

N1 % 92.20 N1 RPM 7,581

N2 % 96.39 N2 RPM 11,805

CORRECTED DATA

N1	7488
Fn	21148
N2	11654
EGT	539 °C
Wf	10966
TSFC	0.519

CORR. PT2 29.83 HGA

PT2 AVG (CELL) -1.30 "H20

PT7 59.39 HGA

TIMER

MAIN OIL 49 PSIG

MAIN FUEL 20 PSIG

FUEL FLOW 11203 PPH

BREATHER 1.0 "HG

FUEL IN 77 °F

VIBRATION

COMP	1.3
TURB	0.6

OIL IN 174 °F / 79 °C

CORR. Ps3/Pt2 6.764

CORR. Ps4/Pt2 17.652

PS4 258.6 PSIA PS3 202.2 HGA

OIL OUT 312 °F

PCP 149.5 PSIA

PS3 99.1 PSIA

CELL TEMP 72 °F BAROMETER 29.91 "HG

PCP RATIO 0.579

2/27/2014

BLEED VALVE SCHEDULE

MIN LIMIT	67.4	CHN223	PS4 -.30 PSIG
MAX LIMIT	73.0	CHN224	PS3 7.50 PSIG
OPEN @	71.2	CHN225	PS3 45.2 HGA
CLOSED @	71.5	CHN226	

DATE 02/27/14

MODEL JT8D-219 S/N 717829 W.O. 5001697 CUSTOMER T.E.C.

ACCELERATION TIME CHECK

N2 RPM PERCENT 95.43

PERCENT RPM

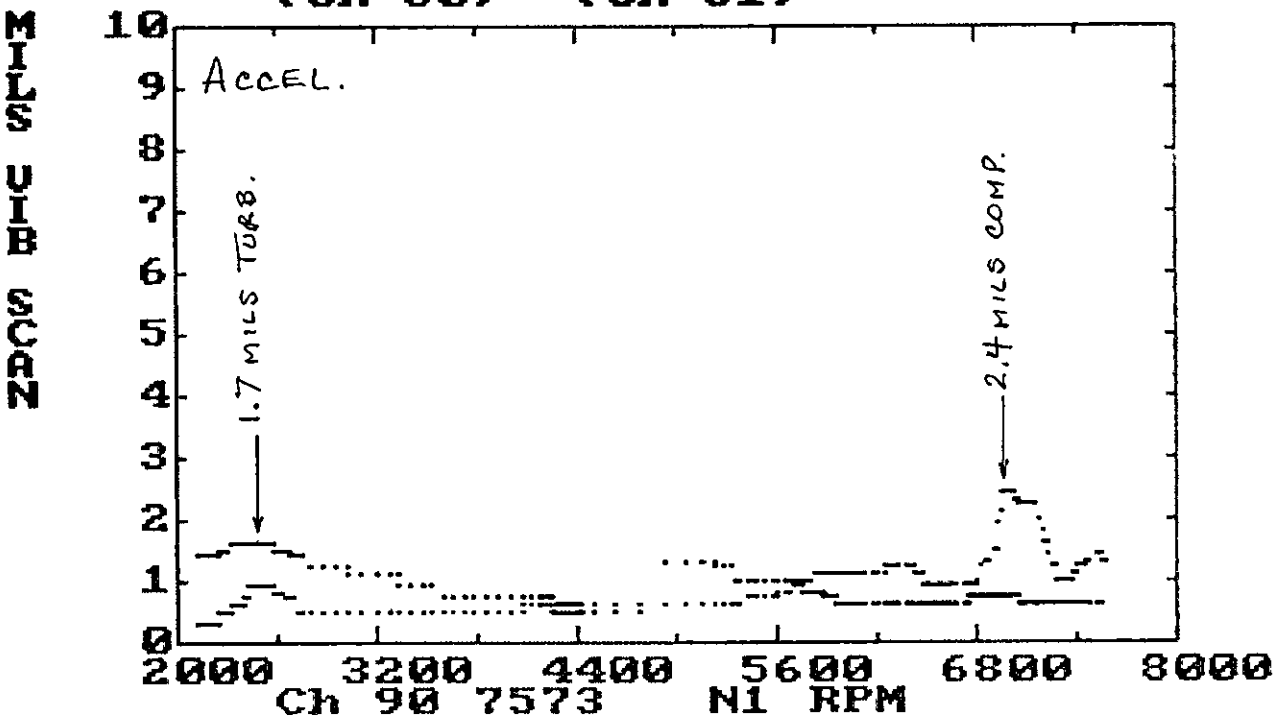
0 10 20 30 40 50 60 70 80 90 100

TIME 4.0

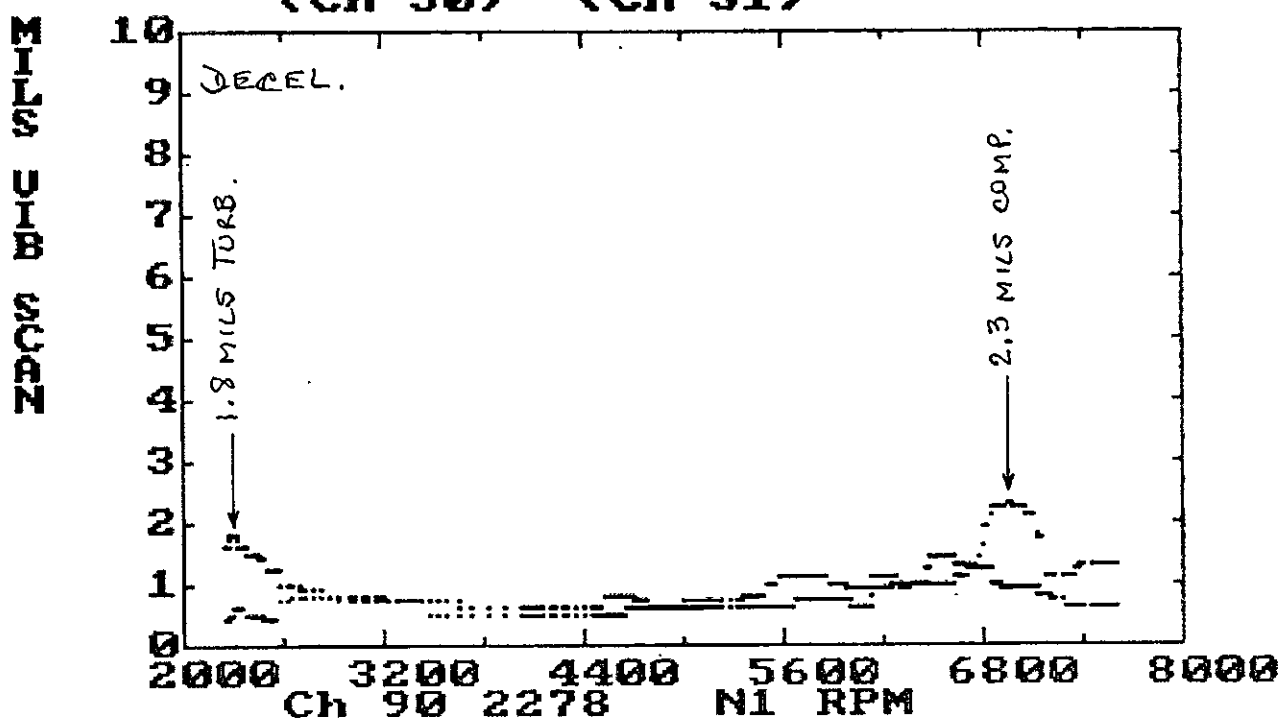
DATE 02/27/14

TIME OF DAY 08:00:09

Program 'XYSCAT', run date: 02-27-2014
(Ch 50) (Ch 51)



Program 'XYSCAT', run date: 02-27-2014
(Ch 50) (Ch 51)



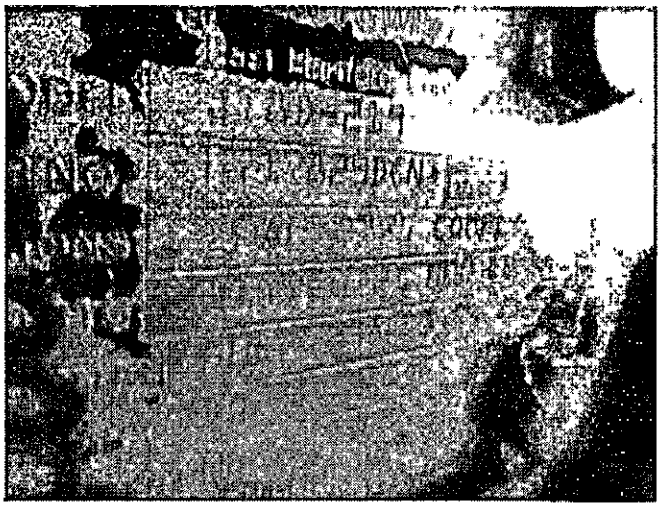
TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION Nº ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

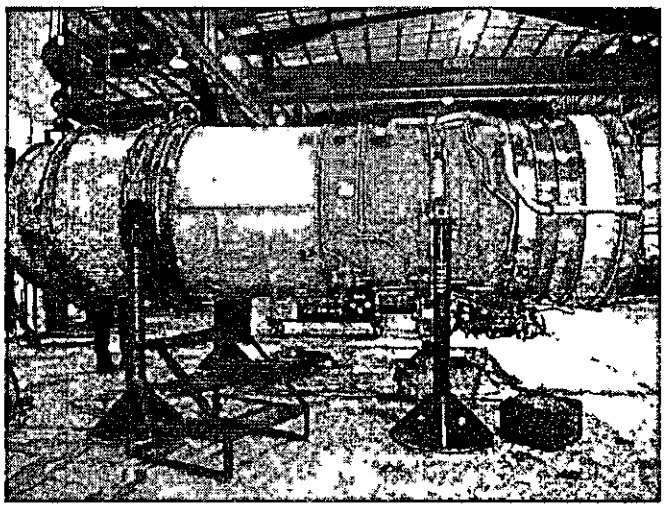
Borescope Report

Turbine ENGINE CENTER
FAA REPAIR STATION ZT9R445X

VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER 20060

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





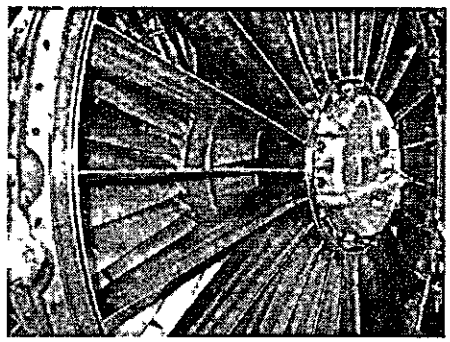
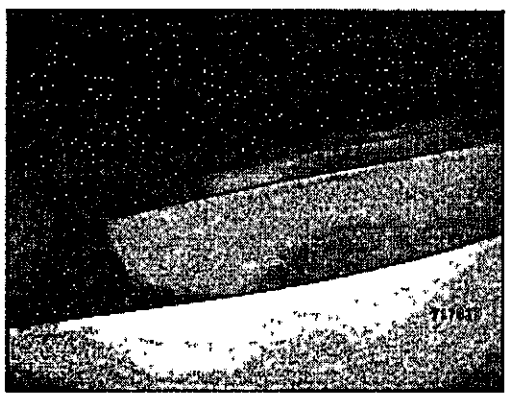
WORK ORDER	ENGINE SERIAL NUMBER	ENGINE MODEL
20060	717829	219
AIR CRAFT TYPE	AIR CRAFT SERIAL NUMBER	AIR CRAFT REGISTER
N/A	N/A	N/A
CUSTOMER	LOCATION	POSITION
	TURBINE ENGINE CENTER	N/A
DATE	REASON	PERFORMED BY
02/27/2014	OUTGOING INSPECTION	PAUL NASIMOS

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 received with engine.
Nose Bullet	Not received with engine.

Turbine ENGINE CENTER
FAA REPAIR STATION ZT9R445X

VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER 20060

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

	PICTURE
INLET CASE AREA & FAN STATORS No defects noted. SUGGESTED ACTION Serviceable.	
C-1 BLADES No defects noted. SUGGESTED ACTION Serviceable.	
C-6 BLADES No defects noted. SUGGESTED ACTION Serviceable.	

Turbine ENGINE CENTER
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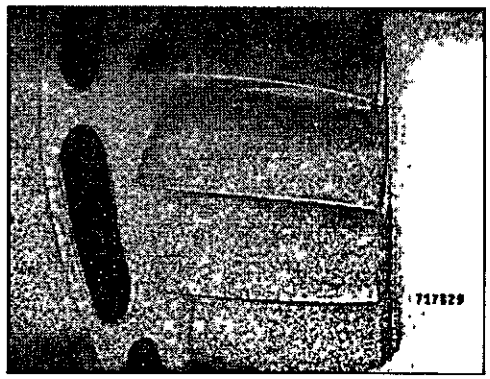
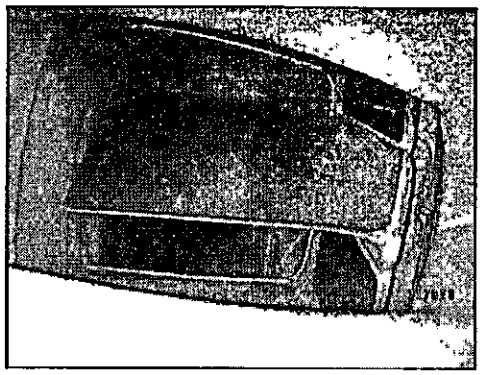
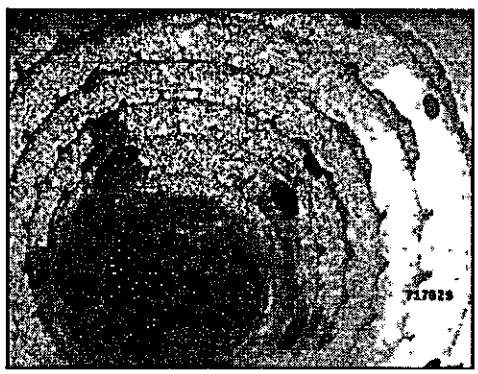
HIGH PRESSURE COMPRESSOR STAGES 7 and 13 BLADES	
C-7 BLADES No defects noted. SUGGESTED ACTION Serviceable.	
C-13 BLADES No defects noted. SUGGESTED ACTION Serviceable.	
COMBUSTION AREA No defects noted. SUGGESTED ACTION Serviceable.	

Turbine ENGINE CENTER
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VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER 20060

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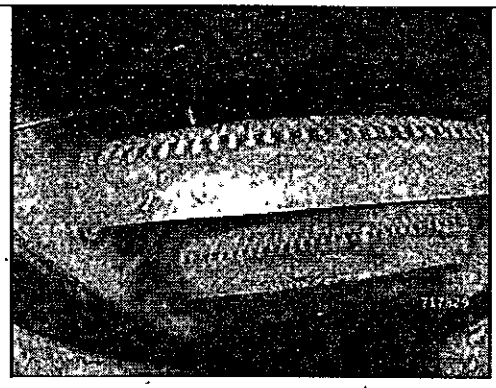
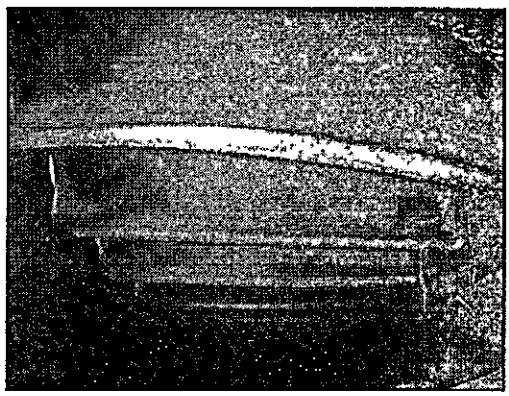
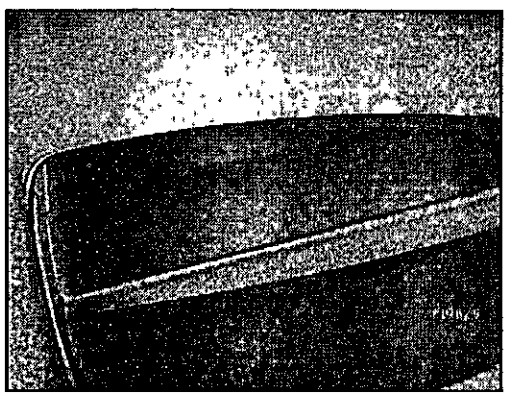
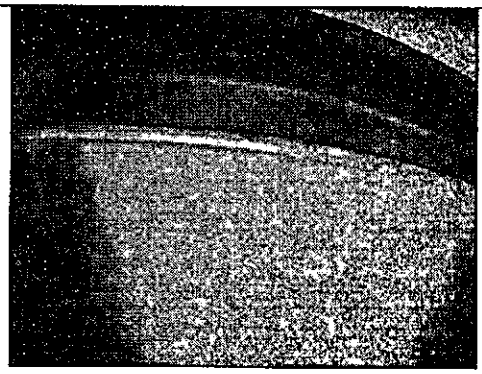
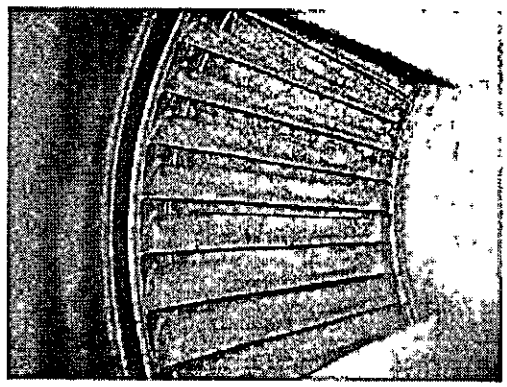
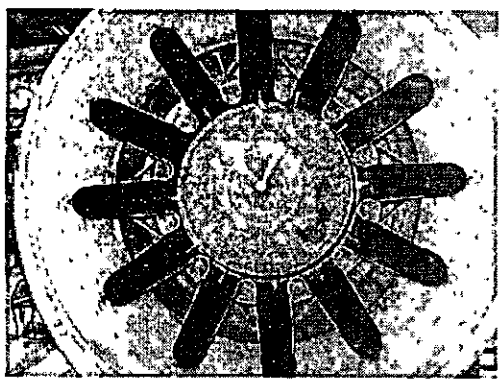
T-1 VANES No defects noted. SUGGESTED ACTION Serviceable.	
T-1 BLADES No defects noted. SUGGESTED ACTION Serviceable.	
T-2 BLADES No defects noted. SUGGESTED ACTION Serviceable.	

Turbine ENGINE CENTER
FAA REPAIR STATION ZT98445X

VIDEO BORESCOPE INSPECTION REPORT JT8D-200
WORK ORDER 20060

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

T-2 VANES No defects noted. SUGGESTED ACTION Serviceable.	
T-4 BLADES No defects noted. SUGGESTED ACTION Serviceable.	
EXHAUST AREA No defects noted. SUGGESTED ACTION Serviceable.	

Signature: Paul Nasimos

Name: Paul Nasimos

Date: 02/27/2014

TURBINE ENGINE CENTER, INC.
FAA REPAIR STATION N° ZT9R445X
8050 NW 90th STREET MEDLEY, FLORIDA 33166

QEC Inventory

Turbine Engine Center, Inc.
FAA ZT9R445X
8050 NW 90th STREET
MEDLEY, FLORIDA 33166 PHONE
(305)477-7771 FAX (305)477-7779

Model: JT8D- 219

POST TEST
PACKING JT8D-200

Date: 02/27/2014

ESN: 717829

Test Cell/Assembly

Work Order: 20060

Table 4. Component Inventory Report List by Part Numbers

Disposition Codes #1 Item Not Installed #2 P/N-S/N Not Visible #3 un able to attain without disassembly #4 No Data plate

NO	COMPONENT	MANUFACTURER PART NUMBER	DISPOSITION CODE	OUTGOING P/N	OUTGOING S/N	Notes
1	FUEL CONTROL	769606-11/12 -15		769606-15	F11577	
2	FUEL PUMP	384301-7/8		384301-10	7762	
3	P & D VALVE	766342		766342	61540646	
4	FUEL HEATER	745608		745608	21480	
5	HARNESS	5938354-515N	1			
6	ANTI ICE VALVE	320115		320115	1647	
7	ANTI ICE VALVE	320115		320115	29826	
8	ANTI ICE VALVE	320115		320115	22564	
9	ANTI ICE VALVE	320116	1			
10	CSD TRANSMISSION	698233B	1			
11	CSD OIL COOLER	B18D18	1			
12	FUEL OIL COOLER	749965		749965	A0580	
13	GENERATOR	976J252-6	1			
14	FIRE DETECTOR	5958670-1	1			
15	FIRE BARRIER UPPER	5938323-505	1			
16	FIRE BARRIER LOWER	5938323-506	1			
17	FUEL FILTER SWITCH	42D185		42D185	7262	
18	SWITCH LOW FUEL	GG441-1	1			
19	FUEL FLOW TRANSMITTER	8TJ85GCG2	1			
20	OIL PRESS. TRANSMITTER	418-00044		60678/58817	F1685	
21	SWITCH LOW OIL PRESS.	42D110	1			
22	SWITCH OIL FILTER	42D109-A1	1			
23	OIL QUANTITY TRANS	8TJ146AAP1	1			
24	THERMOSTATIC VALVE	392550-5	1			
25	CONTROL BLEED VALVE	5000047-01		5000047-01	UG07014	
26	TACH GENERATOR	2CM9ABH7	1			
27	TACH GENERATOR	2CM9ABH7	1			
28	EXCITER	49965		10-353815-4	83282	
29	EXCITER	49965	1			
30	R/H IGNITION CABLE LG	10-700336-1	3			
31	L/H IGNITION CABLE SH	10-700335-1	3			

Turbine Engine Center, Inc.
FAA ZT9R445X

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Model: JT8D- 219

POST TEST
PACKING JT8D-200

Date: 02/27/2014

ESN: 717829

Test Cell/Assembly

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CONFIG SPEC -- 08

Disposition Codes #1 Item Not Installed #2 P/N-S/N Not Visible #3 un able to attain without disassembly #4 No Data plate

NO	COMPONENT	MANUFACTURER PART NUMBER	DISPOSITION CODE	OUTGOING P/N	OUTGOING S/N	Notes
32	VALVE STARTER S/O	979410-1-1	1			
33	STARTER	383222-1-1	1			
34	VALVE START BLEED	1058V0600-2	1			
35	PRESS. RATIO BLEED	790312		790312-001	6150322	
36	PRESS. RATIO BLEED	790312	1			
37	VALVE CHECK 8TH	123562-4-1	1			
38	OIL TANK	565016		S65016	NOT VISIBLE	
39	HYDRAULIC PUMP	623337	1			
40	THRUST REVERSER	5938050-503	1			
41	MAIN GEARBOX	779150		779150	8012ØB	

Company: Turbine Engine Center, Inc (FAA Repair Station No. ZT9R445X)

Signature: TEC INSP 25

Name: KRISTOFFER PALACIOS Date: FEB 27, 2014

Form: TEC-INSP-03 (200) Rev2