

ENGINE RECORDS MINI-PACK

3/12/2008

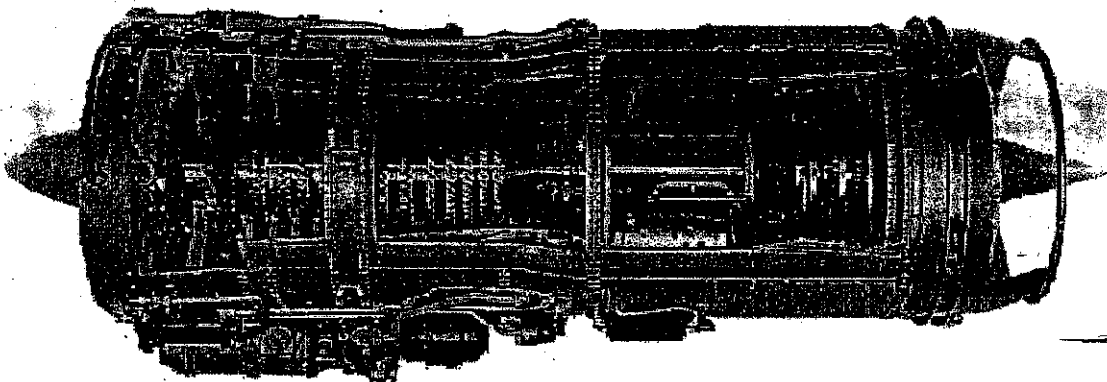
Prepared for: ORION ENGINE SERVICE

By: *JET THRUST, LLC.*

ENGINE SERIAL NUMBER

708336

JT8D-15



COMPLEMENTARY COPY

REFERENCE *JET THRUST, LLC.* WORK ORDER NUMBER 99616

TECHNICAL DOCUMENTATION

FOR

THE REPAIR

OF

ENGINE TYPE: JT8D-15

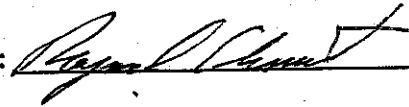
SERIAL NO: 708336

THIS ENGINE HAS BEEN REPAIRED BY JET THRUST, LLC.

FOR AND ON BEHALF OF: ORION ENGINE SERVICE

ENGINE WORK ORDER NO: 99616

PREPARED BY:



Raymond Clement

(305) 514-2841

DATE: 3/12/2008

JET THRUST, LLC.

SUMMARY OF TECHNICAL DOCUMENTATION

FOR

THE REPAIR

OF

ENGINE TYPE: JT8D-15

SERIAL NO. : 708336

THIS PACKAGE CONTAINS THE FOLLOWING:

1. **AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3**
2. **APPROVED RETURN TO SERVICE FAA FORM 337**
3. **LIFE LIMITED PARTS RECORD DISK SHEET**
4. **AIRWORTHINESS DIRECTIVES COMPLIANCE RECORD**
5. **HPC PLATING/ COATING STATUS**
6. **ACCESSORY INVENTORY RECORD**
7. **COMBUSTION CHAMBER CATEGORY CHART**
8. **ENGINE TEST AND PERFORMANCE DATA SHEET**
9. **EXAMINATION AND EVALUATION REPORT**
10. **DISK TRACE (OPTIONAL)**

FAA FORM 8130-3

AUTHORIZED RELEASE
CERTIFICATE

1. Approving National Aviation Authority / Country:
 FAA / United States

2.

AUTHORIZED RELEASE CERTIFICATE

F.A.A. Form 8130-3 - AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

10/17/2007

4. Organization Name & Address

JET THRUST, LLC.
 F.A.A. Repair Station
 X5JR105Y
 7323 NW 44th. Street
 Miami, Florida 33166

5. Work Order, Contact, or Invoice Number:

99616

6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number	12. Status / Work
1	TURBOFAN ENGINE	JT8D-15	VARIOUS	1	708336	REPAIRED

13. Remarks:

THE ENGINE WAS DISASSEMBLED, CLEANED, INSPECTED, REPAIRED, REASSEMBLED AND TESTED IAW PRATT & WHITNEY JT8D EM 481672 R164, DATED OCT. 15, 2007. ALL WORK PERFORMED IS FILED AT THIS FACILITY UNDER THE WORK ORDER SPECIFIED IN BLOCK 5. INFORMATION CONTAINED IN F.A.A. FORM 337 IS IN COMPLIANCE WITH FAR 43.9 AND CERTIFIES THAT THE WORK DESCRIBED IN BLOCKS 12/13 WAS ACCOMPLISHED IAW E.A.S.A.145 AND THAT IN RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER E.A.S.A. ACCEPTANCE CERTIFICATE No. 145.5337

T.T.S.N: 41,078.23 T.C.S.N: 36,153

14. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 13.

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations Part 43 and in respect to that work, the item is approved for return to service.

15. Authorized Signatures

20. Authorized Signature:

21. Approved / Certificate No:

X5JR105Y

17. Name (typed or printed)

22. Name (Typed or Printed):

23. Date (m/d/y):

March 12, 2008

Raymond Clement
 User / Installer Responsibilities
ORIGINAL
RED

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

Where the user/installer performs work in accordance with the national regulations 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/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 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 regulations by the user/installer before the aircraft may be flown.

FAA FORM 337

MAJOR REPAIR AND
ALTERATION



U.S. Department
of Transportation
**Federal Aviation
Administration**

MAJOR REPAIR AND ALTERATION

(Airframe, Powerplant, Propeller or Appliance)

Form Approved

OMB No. 2120-002

FOR FAA USE ONLY

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in civil penalty not to exceed \$1000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make	Model
	Serial No.	Nationality and Registration Mark
2. Owner	Name (As shown on Registration Certificate)	Address (As shown on Registration Certificate)

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial Number	Repair	Alteration
Aircraft	----- (As described in Item 1 above) -----				
Powerplant	Pratt & Whitney	JT8D-15	708336	X	
Propeller					
Appliance	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Jet Thrust, LLC. 7323 NW 44th. Street Miami, Florida 33166	<input type="checkbox"/> U.S. Certificated Mechanic	X5JR105Y Limited Powerplant
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration to the unit(s) identified in item 4 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.

Date	Signature of Authorized Individual
March 12, 2008	Raymond Clement - Chief Inspector <i>Raymond Clement</i>

7. Approval for Return to Service

Pursuant to the authority given to individuals specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standard Inspector	Manufacturer	Inspection Authorization	Other (specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection	Certificate or Registration No.	Signature of Authorized Individual		
March 12, 2008	X5JR105Y	Raymond Clement - Chief Inspector <i>Raymond Clement</i>		



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.)

CUSTOMER: ORION ENGINE SERVICE, LLC.

1. REASON FOR SHOP VISIT: TO COMPLY WITH ASB 6431 R1, PERFORM HOT SECTION INSPECTION & REPLACE SOME LLCS
2. REMOVED THE N-1 MODULE TO INCLUDE:
 - A. REPLACED THE C-1 HUB AND BLADES ASSEMBLY WITH A UNIT IN SERVICEABLE CONDITION
 - B. REPLACED THE C-2 THRU THE C-6 DISKS AS A MODULE WITH A UNIT IN SERVICEABLE CONDITION
 - C. VISUALLY INSPECTED THE INTERMEDIATE CASE WHICH REMAINED ATTACHED TO THE LOW PRESSURE COMPRESSOR
 - D. VISUALLY INSPECTED THE REMAINING OF THE N-1 MODULE
3. REMOVED THE N-2 MODULE TO INCLUDE:
 - A. REPLACED THE C-7, C-8, C-9, C-10, C-11, C-12 & C-13 DISKS WITH UNITS IN OVERHAULED CONDITION
 - B. COMPLIED WITH A.D. 2003-12-07 ON DISKS C-7, C-8, C-9, C-10, C-11 & C-12 IAW P&W ASB 6431 R1
 - C. COMPLIED WITH A.D. 2005-25-05 ON C-13 DISK
 - D. COMPLIED WITH P&W ASB 6468 ON THE C-8 HUB & 8/9 SPACER
 - E. COMPLIED WITH A.D. 2006-17-07 R1
 - F. RE-IDENTIFIED N-2 COMPRESSOR DISKS & SPACERS IAW P&W ASB 6426
 - G. STATIC BALANCED ALL N-2 DISKS
 - H. DYNAMIC BALANCED THE N-2 MODULE
4. VISUALLY INSPECTED THE DIFFUSER CASE FOR CONTINUED TIME SERVICE
5. PERFORMED HOT SECTION INSPECTION TO INCLUDE:
 - A. COMPLIED WITH A.D. 94-25-07 IAW ASB 6230 ON THE OUTER COMBUSTION CHAMBER CASE P/N: 808125 S/N: UN3435
 - B. INSTALLED 09EA. CAT 2A OVERHAULED CONDITION COMBUSTION CHAMBERS - P/N: 780853 (07EA) & P/N: 780854 (02EA)
 - C. COMPLIED WITH A.D. 86-09-02 R2 IAW P&W ASB 5639 R10 - INSPECTION OF THE COMBUSTION CHAMBERS
 - D. INSTALLED SERVICEABLE CONDITION T-1 OUTER AIR SEAL
 - F. REPLACED 21EA. T-1 NOZZLE GUIDE VANES WITH UNITS IN OVERHAULED CONDITION
6. VISUALLY INSPECTED AND DYNAMIC BALANCED THE HIGH PRESSURE TURBINE
7. THE LOW PRESSURE TURBINE WAS REMOVED TO INCLUDE:
 - A. STATIC BALANCED THE T-3 & T-4 DISKS ASSEMBLIES
 - B. REPLACED 48EA. T-2 NOZZLE GUIDE VANES WITH UNITS IN OVERHAULED CONDITION
 - C. COMPLIED WITH A.D. 91-24-14 - No. 4 1/2 BEARING SPACER INSPECTION
 - D. VISUALLY INSPECTED THE REMAINING LPT COMPONENTS
 - E. DYNAMIC BALANCED THE LPT MODULE
8. CONTINUED TIME INSPECTED THE EXHAUST CASE MODULE - VERIFIED COMPLIANCE WITH ASB 6131 R3
9. THE ACCESSORY GEARBOX ASSEMBLY WAS SPLIT, CLEANED, INSPECTED, RESEALED & PRESSURE CHECKED
10. PERFORMED ROTATIONAL CHECK PER PARAGRAPH 1.B & 1.C OF THE ACCOMPLISHMENT INSTRUCTIONS OF P&W ASB 6381 OBTAINING ZERO DEGREE TOTAL MOVEMENT. RE-INSPECT FUEL PUMP WITHIN THE NEXT 6,000 HOURS IN SERVICE.
11. THE EGT HARNESS WAS INSTALLED IN OVERHAULED CONDITION
12. REVISED STATUS OF THE FOLLOWING SERVICE BULLETINS:
 - A. P&D VALVE - POST SB 3757
 - B. BLEED VALVES CONFIGURATION - POST SB 4597
 - C. No. 4 BEARING CONFIGURATION - PRE SB 5250
 - D. No. 5 BEARING CONFIGURATION - PRE SB 6196

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.)

13. VISUALLY INSPECTED THE REMAINDER OF THE ENGINE FOR CONTINUED TIME SERVICE

14. PERFORMED No. 3 OVERHAUL ACCEPTANCE & PERFORMANCE TEST RUN IAW P&W JT8D E/M 481672 R164
72-00-00 TESTING-07. ACCESSORIES WERE FUNCTIONALLY CHECKED DURING ENGINE OPERATION AT TEST RUN
ENGINE PASSED TEST WITHIN ACCEPTABLE LIMITS

15. PERFORMED A 90-DAY PLUS PRESERVATION OF THE FUEL AND OIL SYSTEMS IAW P&W JT8D E/M 481672 R164
72-00-00 SERVICING-02, -03 & -04. PERFORMED POST-TEST BORESCOPE & SHIPPING INVENTORY INSPECTION

ENGINE TOTAL TIME: **41,078.23** TSHSI: **0.00**
ENGINE TOTAL CYCLES: **36,153** CSHSI: **0**

NOTE: ALL WORK PERFORMED IAW P&W-JT8D-E/M 481672

NOTE: ORIGINAL PAPERWORK WAS PROVIDED TO CUSTOMER

A COPY IS ON FILE AT JET THRUST, LLC.

UNDER W.O. No. **99616**

ENGINE S/N: **708336**

IAW ASB 6431 R1 AN ENGINE CAN REMAIN UNDER PRESERVATION INDEFINITELY AS LONG AS IT REMAINS PROPERLY PRESERVED, THEREFORE,
NEXT COMPLIANCE DATE FOR ASB 6431 R1 IS BASED ON THE DATE THE ENGINE IS INSTALLED ON AIRCRAFT AND DEPRESERVED

END OF TEXT

NO Additional Sheets Attached

LIFE - LIMITED PARTS STATUS

Jet Thrust, LLC.

F.A.A. Approved Repair Station No. X5JR105Y
7323 NW 44th. Street - Miami, Florida, 33166

JT8D LIFE-LIMITED COMPONENTS STATUS

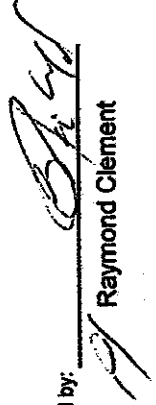
CUSTOMER		Eng. Model	S/N:	Engine Total		Since Last HSI		W.O.
				Hours	Cycles	Hours	Cycles	
ORION		JT8D-15	708336	41,078.23	36,153	0.00	0	99616
Stage	P/N	S/N	Limit Hrs.	Limit Cts.	Total Hrs.	Total Cts.	Rem Hrs.	Rem. Cts.
C-1	817401	M98395	N/A	20,000	39,390.70	15,266	N/A	4,734
C-2	790832	AJ3215	30,000	20,000	13,368.00	13,710	16,632.00	6,290
C-3	799773	AA0349	30,000	20,000	14,127.00	14,376	15,873.00	5,624
C-4	799504	AH4144	30,000	20,000	14,127.00	14,376	15,873.00	5,624
C-5	745705	AJ6259	30,000	20,000	14,127.00	14,376	15,873.00	5,624
C-6	745706	AJ3848	30,000	20,000	14,127.00	14,376	15,873.00	5,624
C-7	774407-001	B207AA0208	30,000	20,000	20,982.00	11,438	9,018.00	8,562
C-8	782208-001	S39702	30,000	20,000	18,786.63	12,634	11,213.37	7,366
C-9	701509-001	NENCAH3360	30,000	19,000	5,068.70	5,088	24,941.30	13,912
C-10	772510-001	S51100	30,000	20,000	23,440.47	12,968	6,559.53	7,042
C-11	772511-001	M84428	30,000	20,000	15,208.00	12,363	14,792.00	7,637
C-12	772512-001	S19797	30,000	20,000	15,208.00	12,363	14,792.00	7,637
C-13	5003613-01	M10519	30,000	20,000	15,208.00	12,363	14,792.00	7,637
T-1	5004301-01	T20568	30,000	20,000	18,314.00	12,096	11,686.00	7,904
T-2	802802	T23834	30,000	20,000	19,485.00	13,267	10,515.00	6,733
T-3	795603	T40136	30,000	20,000	19,485.00	13,267	10,515.00	6,733
T-4	769104	S06760	30,000	20,000	19,485.00	13,267	10,515.00	6,733

- All information supplied by Customer

I/AW ASB 6431 R1 AN ENGINE CAN REMAIN UNDER PRESERVATION INDEFINITELY AS LONG AS IT REMAINS PROPERLY PRESERVED. THEREFORE, NEXT COMPLIANCE DATE FOR ASB 6431 R1 IS BASED ON THE DATE THE ENGINE IS INSTALLED ON AIRCRAFT AND DEPRESERVED

Note: S/N of C-12 Disk was corrected 02-17-10

Approved by:



Raymond Clement

March 12, 2008

DATE

**AIRWORTHINESS
DIRECTIVE
COMPLIANCE STATUS**



Jet Thrust LLC
FAA Repair Station No. XE1R105Y

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: 99616 CUSTOMER: ORION ENGINE SERVICE TC: 36,153
 ENGINE MODEL: JT8D-15 ENGINE S/N: 708336 TT: 41,078.38

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
 NAI = 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 EFFECTIVE DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS, INST.
			YES	NO	
70-02-02 R1 39-969 2/16/70	2460 R4	Replace 6 th stage Compressor Disk by serial number as listed in AD. Applies to all JT8D-100 engine models.		X	NA4, S/N AJ3848 INSTALLED
70-11-03 39-993 6/12/70		Replace 6 th stage Compressor Disk P/N 586906 Applies to all JT8D-100 engine models.		X	NA3, P/N 745706 INSTALLED
70-25-08 39-1084 12/15/70	2817 R1	Replace 7 th stage Compressor Disk P/N 500507, serial numbers listed in AD prior to 2300/2700 cycles. Applies to all JT8D-100 engine models.		X	NA3, P/N 774407-001 INSTALLED
70-26-05 39-1131 12/29/70	3580 R2	Inspect C-1 Fan Blades P/N 487801, 511901, change letter L or earlier, 594601, and 616601 change letter B or earlier. Applies to JT8D-1 thru -11 engine models		X	NA TO PART NUMBERS INSTALLED 845601 & 751801-001 INSTALLED AIR CANADA 3/17/98 SHOP VISIT
71-07-01 39-1279 9/7/71	A2944 R12	Inspect C-1 Disk P/N 504101 and 515201 for cracks and lack of shotpeening. Applies to 1, 1A, 7, and 7A engine models.		X	NA1 -15 ENGINE
71-25-07 39-1354 12/14/71	3536 R2	Fuel Nozzle Support assembly modify P/N 480735, 493332, 501725, and 523476 prior to 6000 hours or replace with superseding. Applies to 1, 1A, 7, 7A, 9, and 11 engine models.		X	NA1 -15 ENGINE

WC: 99616 REVIEWED BY: *Ronald Claret* DATE: 3/12/2008
 ESN: 708336



Jet Thrust, LLC.
FAA Repair Station No. XNR105Y

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPELITIVE INSPECTION		COMPLIANCE STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
75-01-01 39-2358 9/17/75	2452 R13 2550 R2 4187 R9 4193 R7 A4357 R3	LPT Shaft spline inspection, Shaft P/N 479796, 493412, 511215, 524958, 528366, 538951, 540354, 540355, 540452, 562503, 562504, 576305, 576312, 576313, 576314, and 587879. Applies to 1, 1A, 7, and 7A engine models.	X		NA1 -15 ENGINE
75-05-06 39-2814 2/24/77	4389 R11	Quadruple torque of fuel manifold "B" nuts; manifold P/N 629141, 629148, 629154, 699155, 735780, and 735781. Applies to all JT8D-STD engine models. Post SB 2722 and pre SB 4484.	X		NA3
76-12-06 39-2639	4555 R4 4577 R2	Inspect/Replace 2 nd stage Fan Blade Pin P/N 520456, Rivet P/N 520457, and Bushing P/N 520458 with pin P/N 758242. Applies to 9, 11, 15, and 17 engine models.	X		NA DUE TO S/B EFFECTIVITY, INCORP BY PWA IN MANUFACTURE.
76-20-02 39-2734 10/10/76	2406 R9	Inspect 2 nd stage Fan Blade Retaining Strap. Install Bumper P/N 642409. Applies to 1, 1A, 1B, 7, 7A, and 7B engine models.	X		NA1 -15 ENGINE
76-24-01 39-2910 6/22/77		Replace 8 th stage Compressor Disk P/N 496908 prior to 6000 CSN. Applies to 1 through 11 engine models.	X		NA1 -15 ENGINE
77-03-06 39-2828 2/25/77	4661 R2	Inspect/Replace C-1 Disk P/N 504101 per affected serial numbers listed in table 1 of the Service Bulletin. Applies to 1 through 7B engine models.	X		NA1 -15 ENGINE
77-07-11 39-2872 4/15/77		Inspect/Replace 4 th stage Stator Vanes in engine S/N's listed in the A.D. Applies to 9 and 9A engine models.	X		NA1 -15 ENGINE
77-16-12 39-3008 8/31/77	A4639 R2 A5822 R1	Remove 4 1/2 Bearing P/N 707007, S/N's 800-999 and 100A-214A. Applies to: All JT8D-STD models except: 15A, 17A, 17R & 17AR. Superseded by AD 81-08-02	X		NA3 P/N 751166 INSTALLED.
78-10-05					Superseded

WO: 99616
ESN: 708336

REVIEWED BY: *[Signature]*

DATE: 3/12/2008



Jet Thrust, LLC
FAA Repair Station No. XSJRT105Y

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
78-17-02 R3 39-4818 3/30/84	A4841 R6	Inspect C-1 Hub P/N 594301, 791801, 640601, 743301, 750101, and 749801 for cracks in blade slots. Applies to 9 through 17AR engine models.	X		NA3, P/N 817401 INSTALLED
78-23-12 39-3315 12/20/78	4592 R3	Inspect 3 rd stage Turbine Blade retention rivet, replace with P/N 759351. Applies to 1, 1A, 7, 7A, 7B, 9, 9A engines. Superseded by AD 87-14-01	X		NA1 -15 ENGINE
80-11-03					Superseded
80-15-51 39-3898 8/21/80	A5154 R3	Ultrasonic Inspect or FPI Inspect 8 th stage Disk P/N 690908, 701308, 717608, 717708, and 738308 for cracks. Applies to: All JT8D-STD engine model except 15A, 17A, & 17AR. Superseded by AD 95-16-07	X		NA3 P/N 782208-001 INSTALLED.
81-08-02					Superseded
84-16-03		Superseded by AD 85-19-51			Superseded
85-19-51 R1 39-5168 12/26/85	A5510 R4 A5541 R2	Inspect 2 nd stage Turbine Disk P/N 676802, 770602, 780502, 786802, and 787302 and Assemblies P/N 676822, 769722, 769832, 786822, and 787232 for wear and cracking in snap diameters and bottom of disk airseal groove. Modify mating 3 rd Stage turbine airseal. Applies to 15, 17, and 17R engine models.	X		NA3 P/N 802802 S/N T23834 INSTALLED.
86-02-52 R1 39-5264 4/14/86	A5639 R10	Inspect Combustion Chambers overhauled by Aerothrust Corporation on engines with S/N's listed in AD. Applies to all JT8D-STD engine models. See AD 86-09-02- R2. Superseded by AD 87-11-07	X		NA2
86-04-01					Superseded
86-08-04 R1 39-5424 11/14/86	A5649 R3	Inspect/Replace HPC removable sleeve type spacers. Applies to all JT8D-STD engine models	X		INTEGRAL SPACERS INSTALLED.

WO: 99616
ESN: 708336

REVIEWED BY: *Raymond Clement*

DATE: 3/12/2008



Jet Thrust LLC
 FAA Repair Station No. X53R105Y

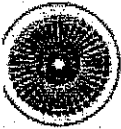
JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPEITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS/ SERIAL NUMBERS INST.
			YES	NO	
86-09-02 R2 39-9385 11/17/95	A5639 R10	Inspect all Combustion Chambers except post SB 5650 PN 5001958-02, -022, 5001959-02, -022. Replace Combustion Chambers with new 1A cans or overhaul to categories 1A, 1B, 2A, or 2B. Continue Time / Visually inspect as required. Borecope as required. Ref. Form JTI-41-13. Applies to all JT8D-STD engine models	X		COMPLIED WITH AT THIS SHOP VISIT. INSTALLED 09EA. OVERHAULED CONDITION CAT 2A COMBUSTION CHAMBERS. RE-INSPECT UPON REACHING THE NEXT: ECM: 8,500 Hrs. / 6,000 Cls. NON-ECM: 6,500 Hrs. / 5,000 Cls. (WHICHEVER OCCURS FIRST)
87-03-13		Applies only to JT8D-200 series engine			Superseded
87-11-07 R1		Superseded by AD 96-23-14			
87-14-01 R1 39-6359 12/11/89	A5729 R2	FPI and Ultrasonic inspect 2 nd stage Fan Blade P/N 433802, 645902, 759902, 695932, 678102, and 746402. Applies to: All JT8D-STD models except: 15A, 17A, 17R & 17AR.	X		NA3 REF KITTY HAWK AD STATUS SHEET DATED 7-27-2007
88-04-02		Applies only to JT8D-200 series engines			Superseded
T89-05-52		Superseded by AD 94-25-07			
89-24-02		2 nd Stage Fan Disk and 1 st Stage Stator Spacer			NA1 -15 ENGINE
39-6365		protrusion inspection. Applies to 7, 7A, and 7B engine models.	X		
11/13/89					
89-25-11		Replace C-1 Blade retaining plate P/N 520451, 616645 and 639616 with P/N 803996 or 808145.	X		NA3 P/N 803996 INSTALLED
39-6325	A5841	Applies to 9 through 17AR engines			
1/15/90		Inspect 4 1/2 Seal Spacer P/N 525961.			
91-24-14		Applies to all JT8D engine models	X		C/W ROCKWELL HARDNESS C-36
39-8101					
1/12/92					
92-10-05		Superseded by AD 94-20-09			Superseded
93-06-05		Superseded by AD 94-20-08			Superseded
93-14-14		Superseded by AD 95-10-10			Superseded

WO: 99616
 ESN: 708336

REVIEWED BY: *Raymond L. Stewart*

DATE: 3/12/2008



Jet Thrust, LLC
 FAA Repair Station No. X51R105Y

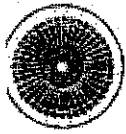
JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPEITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
93-23-10		Applies only to JT8D-200 series engines.			
94-14-16		Superseded by AD 95-02-16.			Superseded
94-20-01		Superseded by AD 98-12-07			Superseded
94-20-08		Superseded by AD 97-19-14.			Superseded
94-20-09 39-9037 11/14/94	A5913 R6 A6039 R3 A6110 R1 A A6110 R1 B A6131 R3 5748 R5 5859 R4	Inspect T-3 and T-4 Blade cross notches insitu per A5913 R6 or per EM 72-53-12/13 or Install turbine containment ducts per A6110 R1 Part A And install improved T-3 outer airseal P/N M2533 or 811962 per A6110 R1 Part B. Modify No. 6 Scavenge Pump and install bushing per A6131 R2 or higher. Incorporate increased axial clearance T3/4 vanes per SB 5748 R5 or incorporate reduced parts motion T3/4 vanes per SB 5859 R4. Applies to 15A, 17A, and 17AR engine models.	X		NAI -15 ENGINE
94-23-03		Applies only to JT8D-200 series engines.			
94-25-07 39-9091 3/30/95	A5842 R4 A6230 Part II NDIP 654 NDIP 655	Ultrasonic inspection of Combustion Chamber Outer Case P/N 796761 or 806675 for cracks in rear flange. Reidentify to P/N 805412 or 808125 cases with Ultrasonic Inspection less than U40 with greater than 2500 C.I.S.S.L.I after reinspection per NDIP 655. Applies to all JT8D-STD engine models.	X		NA3, P/N 808125 INSTALLED
95-02-16 39-9135 2/21/95	A6153 R1 A6169 R5 A6170 R2 6240 R0 A6310 R2 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 A6170 R2. Applies to -1 through -17AR engine models that have incorporated SB 5650-Low Emission Fuel Nozzles.	X		NA3 S/B 5650 NOT INCORPORATED.

WO: 99616
 ESN: 708336

REVIEWED BY: *[Signature]*

DATE: 3/12/2008



Jet Thrust, Inc.
FAA Repair Station No. X5JFR105Y

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPEITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
95-08-15		Superseded by AD 96-23-14.			Superseded
95-10-10 39-9227 7/21/95	A6104 R3. NDIP 764	Inspect & shotpeen C-1 Hub P/N 817401 S/Ns J78892-180538, K32019-K34018, L32197-L34133, M05722-M07296 and all serial numbers of hubs 594301, 640601, 743301, 749801, 750101, 791801 & 806001. Applies to 9 through 17AR engine models. Applies only to JT8D-200 series engines.	X		NA4 S/N M98395 INSTALLED.
95-12-19					
95-15-51		Superseded by AD 95-26-03.			Superseded
95-16-07 39-9327 9/11/95	A4723 R12 4725 R7 4935 R6	Inspection of pre SB 4935 R6 C-9 through C-12 Disk P/N's listed in ASB 4723 R12 for tiered hole cracking. For C-10 disks, EC or MPI inspect per A4723 R12, Appendix B within 750 CIS since last on-wing inspection. Note: Disks bushed per SB 4725 R7 are still subject to A4723. Applies to all JT8D-STD engine models.	X		NA3, SEE LIFE LIMITED COMPONENTS STATUS FOR P/Ns INSTALLED
95-26-03 39-9345 5/6/96	A6226	Inspection of C-7 through C-12 Disks for engines overhauled by Turk Hava Yollari (THY). Applies to: All JT8D engine models listed by S/N's in ASB 6226. Applies only to JT8D-200 series engines.	X		NA2 ESN: 708336
96-15-06					
96-23-14 39-9820 1/2/97	A6202 R1 A6228 R1	Inspection of Combustion Chamber Outer Case P/N 490547, 542155, 616315, 728829, 728829-001, 730413, 730413-001, 730414, 730414-001, 767197, 767279, and 767279-001 by ECI, UI, FPI per SPOP 82, FMPI per SPOP 117 for Part I. UI per NDIP 834 for Part II. Applies to all JT8D-STD engine models. C.C.O.C. was not previously weld repaired. Applies only to JT8D-200 series engines.	X		NA3 P/N 808125 INSTALLED.
96-23-15					

WO: 99616
ESN: 708336

REVIEWED BY:

DATE: 3/12/2008



Jet Thrust, LLC.
FAA Repair Station No. X53R105Y

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFFECTIVE DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
97-02-11		Applies only to JT8D-200 series engines.			
97-17-04		Applies only to JT8D-200 series engines.			
97-19-12 39-10133 11/18/97	A6274 R2	Inspect by FPI per SPOP 84 and UI per NDIP 889 T-4 Disk/Hub P/N's 539004, 539004-001, 629404, 629404-001, 751304, 757304-001, 769104 and S/N's listed in ASB 6274 R2. Applies to all JT8D-STD engine models except 15A, 17A, and 17AR.	X		NA4, S/N SO6760 INSTALLED
97-19-13		Applies only to JT8D-200 Series engines.			
97-19-14 39-10135 11/24/97	5331 R2 A5913 R6 A6039 R3 A6110 R1 A A6110 R1 B A6131 R3 A6274 R2	Inspect T-3 and T-4 Blade cross notches insitu per A5913 R6 or per EM 72-53-12/13 or Install turbine containment ducts per A6110 R1 Part A and install improved T-3 outer airseal P/NM2533 or 811962 per A6110 R1 Part B. Modify No. 6 Scavenge Pump and install bushing per A6131 R2 or higher. Verify compliance with AD 97-19-12, A6274 R2 to T-4 disk/hub, if applicable. Applies to all JT8D-STD engine models except 15A, 17A, and 17AR. Note: Post 5331 R2 T3 blades are exempt from A5913 R6 insitu inspections.	X		PCW ASB 6110 R1 PARTS A & B PCW ASB 6131 (R3)
98-04-39 39-10351 2/11/98	A6202 R1	One time C.C.O.C. borescope inspection on affected cases per A6202 R1. Case P/N's and engines affected are listed by Serial Numbers in the A.D. Applies to all JT8D-STD engine models.	X		NA2, ESN 708336
98-12-07	A6038 R5	Superseded by AD 2003-12-07			Superseded

WO: 99616
ESN: 708336

Raymond Stewart

REVIEWED BY:

DATE: 3/12/2008



Jet Thrust, LLC.
 FAA Repair Station No. X53811051

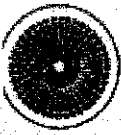
JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
98-21-24 39-10832 11/16/98		Inspection or replacement of Ni-cad plated 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 all JT8D engine models.		X	NA3 & NA4, SEE LIFE LIMITED COMPONENTS STATUS FOR P/Ns & S/Ns INSTALLED
99-01-08 39-10975 01-05-99		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 all JT8D engine models.		X	NA3 & NA4, SEE LIFE LIMITED COMPONENTS STATUS FOR P/Ns & S/Ns INSTALLED
99-10-11		Applies only to JT8D-200 series engines.			
99-12-03		Superseded by AD 2000-21-08.			Superseded
99-12-04		Applies only to JT8D-200 series engines.			
99-22-14		Applies only to JT8D-200 series engines.			
99-26-06		Applies only to JT8D-200 series engines.			
99-27-01		Applies only to JT8D-200 series engines.			
2000-21-07		Applies only to JT8D-200 series engines.			
2000-21-08		Superseded by AD 2002-17-02.			Superseded
2000-22-06 39-11952 12-04-2000	A6381 R1	Inspect MFP control shaft per A6381 R1 when accessible after TSO 6000 if modified per para (c) (1) only, or TSO 3000 if not modified, or replace control shaft and install a reworked impeller and cover NLT 12000 TIS SLO, or per Tables in AD. Applies to all JT8D-1 thru -15A engine models.		X	

WO: 99616
 ESN: 708336

REVIEWED BY: *[Signature]*

DATE: 3/12/2008



Jet Thrust, LLC.
 FAA Repair Station No. XLSR105Y

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES NO	COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
2001-15-18 39-12353 09-04-2001	A6336 R1	Remove from service and return to P&W C-2 disk part numbers 745902, 790832, and 807502 whose serial numbers are listed in ASB 6336 R1 prior to accumulating 2000 part cycles since new. Applies to -9 through -17AR engine models. Applies only to JT8D-200 series engines.	X	NA4, S/N AJ3215INSTALLED
2002-13-09		Applies only to JT8D-200 series engines.		
2002-16-08		Applies only to JT8D-200 series engines.		
2002-17-02 39-12867 02-24-2003		Superseded by AD 2005-25-05		Superseded
2002-21-17		Applies only to JT8D-200 series engines.		
2002-23-14		Applies only to JT8D-200 series engines.		
2003-05-07 39-13083 04-17-03	5409 R2 5716 R2 5734 R0 6429 R0	Remove from service and/or modify/replace 3-4, 4-5 LPC spacers, PNs listed in AD, per SBs 5409 R2, 5716 R2, or 5734 as applicable whenever LPC short stack is disassembled. Install new tierods, retaining rings, 2 nd stage compressor air seal or spacer assembly, washers, and tierod nuts per SB 6429. Applies to all JT8D-STD engine models.	X	TO BE ACCOMPLISHED AT THE NEXT PIECE PART LEVEL DISASSEMBLY
2003-12-07 39-13192 07-18-03	A6431	HPC disc corrosion inspection stages C-7 through C-12. Ref. form JTI-36-00 HPC Plating/Coating Status, if applicable. Note: Customers should notify Jet Thrust, Inc. of plating/coating needs when HPC disassembly is part of the workscope. All intervals are 8 years max. Shallow rim C9 discs are 4 years. Applies to all model JT8D-STD engine models.	X	COMPLIED WITH AT THIS SHOP VISIT

STG	PN	S/N	COATING / DATE
C-7	774407-001	B207AA0208	2/13/2007
C-8	782208-001	S39702	8/8/2006
C-9	701509-001	NENCAH360	11/8/2006
C-10	772510-001	S51100	5/14/2007
C-11	772511-001	M88428	3/28/2007
C-12	772512-001	M86216	3/27/2007

AS PER PRATT & WHITNEY, NEXT COMPLIANCE WILL BE FROM THE DATE THE ENGINE IS INSTALLED ON AIRCRAFT & DEPRESERVED.

REVIEWED BY: *[Signature]*

DATE: 3/12/2008

WO: 99616
 ESN: 708336



Jet Thrust, LLC.
 FAA Register Station No. X5JF1051

JT8D AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPEITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
2005-17-16 39-14237 09-30-2005	A6442	Critical Life-Limited Rotating parts that have been returned to service with cracks, corrosion pitting or dimensions outside manual limits. Applies to all JT8D engine models. Comply with at the next shop visit after the effective date of this A.D. or no later than March 31, 2008 for items in Table 1 of ASB 6442 and at the next shop visit for items in Table 2 of ASB 6442.		X	NA3,
2005-25-05 39-14398 6/12/2006		Mandatory inspections of C-1 Hubs, C-2, C13, T-1, T2, T3, and T4 disks when >100 C.I.S.S.L.I and completely debled as listed in AD by P/N and IAW the inspections shown in the Time Limits Section in the Engine Manual. Applies to all JT8D-S1D engine models.	X		C/W C-13 AT THIS SHOP VISIT.
2006-17-07 10/04/2006	6468	Replacement or Visual Inspection of C-8 Hubs and HPC disks that have operated at any time with PWA 110-21 Coating on JT8D-15 thru -17AR, and -209, -217, -217A, -217C & -219 engine models.	X		A.D. 2003-12-07 C/W AT THIS SHOP VISIT.

WO: 99616
 ESN: 708336

Form: FTI-FNCG-07 R6

REVIEWED BY: *[Signature]*

DATE: 3/12/2008

HPC PLATING / COATING STATUS

HIGH PRESSURE COMPRESSOR DISKS STATUS
PER ASB 6431 R1 / A.D. 2003-12-07

DATE March 12, 2008

Customer ORION
 Engine Model JT8D-15
 E.S.N. 708336
 Work Order 99616
 TET: 41,078.23
 TEC: 36,153

THIS FORM IS TO BE COMPLETED BY INSPECTION.
 PLEASE RECORD BELOW THE CURRENT STATUS ON THE C7 THRU C12 DISKS FITTED.
 (STAMP THE APPROPRIATE BLOCK)

DISK INFO	INSPECTED WEB, RING & BLADE SLOTS PER E/M FOR CORROSION		DISK DEBLADED?		NEW DISK INST.	DISK REPLACED WITH O/H	C/T DISK PLATE/COAT TYPE	NI-CAD DURING O/H OR NEW	PWA110 DURING O/H OR NEW	NOT RE-PLATED COATED	DATE PLATED COATED
	YES	NO	YES	NO							
STAGE	P/N	S/N									
C-7	774407-001	B207AA0208		X JT 02 / N.S.		X JT 02 / N.S.					2/13/2007
C-8	782208-001	S39702		X JT 02 / N.S.		X JT 02 / N.S.					8/82006
C-9	701509-001	NENCAH3360		X JT 02 / N.S.		X JT 02 / N.S.					11/8/2006
C-10	770510-001	S51100		X JT 02 / N.S.		X JT 02 / N.S.					5/14/2007
C-11	772511-001	M88428		X JT 02 / N.S.		X JT 02 / N.S.					3/28/2007
C-12	772512-001	M86216		X JT 02 / N.S.		X JT 02 / N.S.					3/27/2008

Note: See Compressor / Turbine Disk Time / Cycles Sheet for current disk times/cycles.

IAW ASB 6431 R1 AN ENGINE CAN REMAIN UNDER PRESERVATION INDEFINITELY AS LONG AS IT REMAINS PROPERLY PRESERVED, THEREFORE, NEXT COMPLIANCE DATE FOR ASB 6431 R1 IS BASED ON THE DATE THE ENGINE IS INSTALLED ON AIRCRAFT AND DEPRESERVED

QEC ACCESSORY INVENTORY

Jet Thrust, LLC.

JT8D-7 thru -17AR
 Model: JT8D-9A
 Customer: ORION

W.O. 99616
 DATE: 03/13/08
 ESN: 708336

QEC Accessory Outgoing Inventory

Abbreviation:	SVC	Serviceable
N/A: Not Applicable	C/T	Continue Time
N/R: Not Received	B/C:	Bench Check
N/I: Not Installed	O/H:	Overhauled
UNK: Unknown	SNA:	Serial Number Assigned
TSO: Time Since Overhauled	CSN:	Cycles Since New
CSN: Cycles Since New	*	Basic Engine Components
TSN: Time Since New		

Item	Nomenclature	Part #	Serial #	TSO	TSN	Comments
Engine Accessories						
*1.	Fuel Control	743602-4	64461	UNK	UNK	
*2.	Fuel Pump Assy	378201-15	982	UNK	UNK	
*3.	Fuel Diff. Press. Switch	UNK	UNK	UNK	UNK	
*4.	Fuel Heater	522649	600542	UNK	UNK	
*5.	Fuel Oil Cooler	548003	600516	UNK	UNK	
*6.	Press Ratio Bleed Control (PRBC)	658385	6158396	UNK	UNK	
*7.	P & D Valve	714810	616R892	UNK	UNK	
*8.	Ignition Exciter 1	10-353875-2	30519	UNK	UNK	
*9.	Ignition Exciter 2	NA	NA	N/A	N/A	
*10.	Oil Tank	UNK	UNK	UNK	UNK	
*11.	Anti-Ice Valve RH	320115	12991	UNK	UNK	
*12.	Anti-Ice Valve LH	320115	82901	UNK	UNK	
*13.	Fuel De-Icing Valve	320115	2742	UNK	UNK	
*14.	Start Bleed Control Valve	NI	NI	N/A	N/A	
*15.	Gearbox	667488	PE1396	UNK	UNK	
#1.	Tach N1	NI	NI	N/A	N/A	
#2.	Tach N2	NI	NI	N/A	N/A	
#3.	Engine Starter	NI	NI	N/A	N/A	
#4.	Engine Starter Control Valve	806146	3148	N/A	N/A	
#5.	CSD Unit	NI	NI	N/A	N/A	

Jet Thrust, LLC.

JT8D-7 thru -17AR
 Model: JT8D-9A
 Customer: ORION

W.O. 99616
 DATE: 03/13/08
 ESN: 708336

QEC Accessory Outgoing Inventory

Serialized Items						
Item	Nomenclature	Part #	Serial #	TSO	TSN	Comments
QEC Accessories (Con't)						
#6.	CSD Oil Cooler	NI	NI	N/A	N/A	
	CSD Heat Exchanger	NI	NI			
#7.	Hydraulic Pump	NI	NI	N/A	N/A	
#8.	Generator Assy	NI	NI	N/A	N/A	
#9.	Fuel Flow Transmitter	NI	NI	N/A	N/A	
#10.	Nose Cowl Anti-Ice Valve	NI	NI	N/A	N/A	
#11.	CSD Anti-Ice Valve	NI	NI	N/A	N/A	
#12.	Fuel Pump Bulb	NI	NI	N/A	N/A	
	Educator Valve (DC9 Only)	NI	NI			
#14.	Oil Quantity Transmitter	NI	NI	N/A	N/A	
#15.	Oil Temperature Sensor	NI	NI	N/A	N/A	
#16.	FRT Vibration Pick-up	NI	NI	N/A	N/A	
#17.	Rear Vibration Pick-up	NI	NI	N/A	N/A	
#18.	Pneumatic Check Valve	NI	NI	N/A	N/A	
	(One or Two)	NI	NI			
#19.	Thermostatic Regulator Valve	NI	NI	N/A	N/A	
#20.	Pre-Cooler tank Assy	NI	NI	N/A	N/A	
	(B737 Only)	NI	NI			
#21.	Pneumatic Pressure Valve (B737 Only)	NI	NI	NA	N/A	
#22.	Oil Pressure Transmitter	NI	NI	N/A	N/A	
#23.	Oil Differential Pressure Switch	NI	NI	N/A	N/A	
#24.	Low Oil Pressure Warning Switch	NI	NI	N/A	N/A	
#25.	Cabin Pressurization Diff. Press Switch	NI	NI	N/A	N/A	
	(B737 Only)	NI	NI			
#26.	Low Fuel Pressure Warning (DC9 Only)	NI	NI	N/A	N/A	
Serialized Items						
Item	Nomenclature	Part #	Serial #	TSO	TSN	Comments
#1.	Nose Cowl Assy	NI	NI	N/A	N/A	
#2.	Nose Cone Assy	NI	NI	N/A	N/A	
#3.	Thrust Reverser Assy	NI	NI	N/A	N/A	
#4.	Forward Cone Bolts	NI	NI	N/A	N/A	
#5.	Rear Cone Bolts	NI	NI	N/A	N/A	
#6.	Exhaust Cone Assy	NI	NI	N/A	N/A	

COMBUSTION CHAMBER CATEGORIES

Jet Thrust, LLC

Combustion Chambers Status

Work Order : **99616**
 Eng. S/N: 708336
 Customer: ORION
 JT8D-15

TET: 41,078.4
 TEC: 36,153

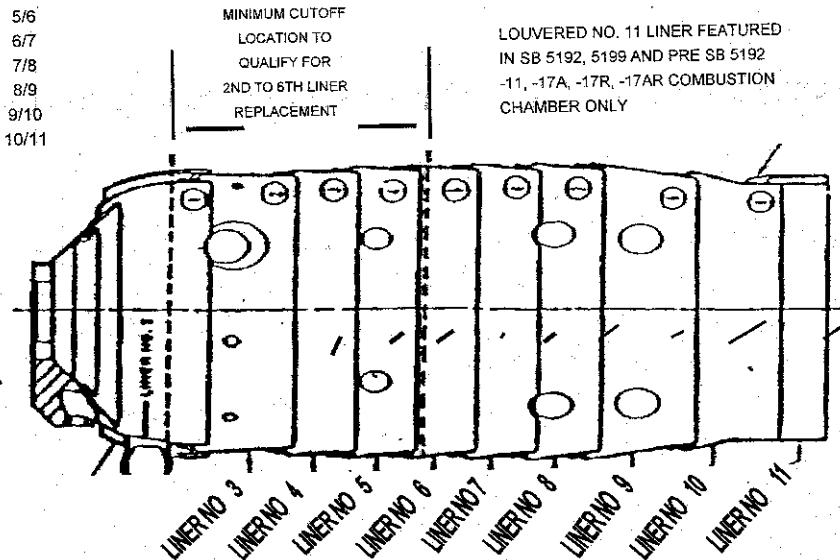
JT8D-7 thru -17AR Inspection

LEGEND:

OH = Overhauled per EM
 Rep = Repaired
 VI = Visual Inspected
 HR = Hours
 CIs = Cycles

INDEX NO.	Liner seam WELD LOCATION
1	2/3
2	3/4
3	4/5
4	5/6
5	6/7
6	7/8
7	8/9
8	9/10
9	10/11

**Combustion Chambers
Liner Position**



NOTE:

Inspector must verify type of Spec Limit from Customer Service, Engineering or work specifications.

Ref: P&W ASB 5639 Rev. 2

ECM: Engine Condition Monitoring
 Non-ECM: Non-Engine Condition Monitoring

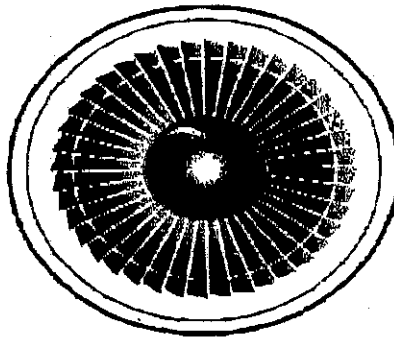
POS	P/N	S/N	Cat	Status OH/Rep/VI	Spec Limits		Remaining		Insp.	
					HR	CIs	HR	CIs		
1	780853	83183	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
2	780853	83837	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
3	780853	83840	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
4	780854	84357	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
5	780853	83215	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
6	780853	83186	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
7	780854	84355	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
8	780853	83175	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	
9	780853	83184	2A	OH	ECM	8,500	6,000	8,500	6,000	JT 02 4/53
					NON-ECM	6,500	5,000	6,500	5,000	

Chamber Categories:

- New chambers or chambers with 2 thru 6 or greater liner replacement.
 - (A) With magnesium zirconate
 - (B) Without magnesium zirconate
- Non 1st run chamber post S/B's 5192 & 5199 or Pre S/B's 5199 with new 2-3 liner or without 2-3 liner fusion overlay- or- Pre S/B's 5192 & 5199 with 2-3 liner fusion overlay.
 - A- With magnesium zirconate
 - B- Without magnesium zirconate
- All Others

Note: No welding is allowed on cracks greater than 3" in any one liner to qualify for category 1 or 2.

ENGINE TEST AND PERFORMANCE DATA



Jet Thrust, LLC.

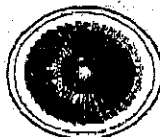
FAA Repair Station No. X5JR105Y

ENG. TEST CELL RESULTS.

MODEL : JT8D-15

ESN. : 708336

W/O : 99616



Jet Thrust, LLC.
FAA Repair Station No. X5JRT05Y

DATE TESTED: 12-Mar-08
Engine Work Card:

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				
WORK ORDER		ENGINE MODEL	ENGINE SERIAL NUMBER	
99616		JT8D-15	708336	
TEST SPECIFICATIONS:		MANUAL USED <u>JT8D P/N 481872</u>	TYPE OF TEST: <u>TEST #3</u>	
TEST LIMITS (CHECK ONE):		<input checked="" type="checkbox"/> HEAVY MAINTENANCE	<input type="checkbox"/> OVERHAUL	<input type="checkbox"/> OTHER: _____
ITEM	OPERATION AND REFERENCED PROCEDURE	ACCEPTED	REJECTED	DOES NOT APPLY
1	MAIN OIL PRESSURE			
2	MAIN OIL TEMPERATURE.			
3	OIL CONSUMPTION			
4	BREATHER PRESSURE			
5	MAXIMUM EXHAUST GAS TEMPERATURE (EGT)			
6	EXHAUST GAS TEMPERATURE (EGT) SPREAD.			
7	FRONT VIBRATION LIMITS.			
8	REAR VIBRATION LIMITS.			
9	TURBINE COOLING PRESSURE.			
10	MAXIMUM LOW COMPRESSOR SPEED.			
11	MAXIMUM HIGH COMPRESSOR SPEED.			
12	E.P.R. vs. THRUST RELIATIONSHIP.			
13	ACCELERATION TIME.			
14	ANTI-SURGE BLEED CHECK.			
15	AUTOMATIC RESERVE THRUST INCREMENT (-17R, -17AR & -200 SERIES ONLY).			
16	SPEED DATA PLATE. OBSERVED: R.P.M.: <u>10,689</u> PERCENT: <u>87.28</u> %			
17	RE-STAMP OF DATA PLATE REQUIRED (IF ENGINE QUALIFIES BASED ON WORK PERFORM)	NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	
18	COMMENTS:	TAKE-OFF LIMIT	TAKE-OFF OBSERVED	TAKE-OFF MARGIN
	RED LINE	<u>1,148</u> °F (620 °C)	<u>1,099</u> °F (593 °C)	49 °F (27 °C)
	EHM (FOR TT2)	<u>1,108</u> °F (598 °C)		10 °F (6 °C)

JET THRUST, LLC. FAA # X5JRI05Y JT8D ENGINE TEST PAGE 22
 MODEL JT8D-15 S/N 708336 W.O. 99616 CUST JET THRUST COND PARTPC
 25 C 497 C
 CIT 77 F EGT 926 F T7 TIME at TEMP 0 THRUST 9699 LBS EPR 1.643
 CORRECTED DATA
 N1 % 84.25 N1 RPM 7239 *****5 N1 7116 Pt2 29.89 HGA
 N2 % 88.48 N2 RPM 10839 *****2 N2 10208 Pt2 AVG -.9 "H
 EGT 879
 Wf 5836 Pt7 49.10 HGA
 TSFC 0.572
 TIMER 0 sec. MAIN FUEL 20PSIG
 MAIN OIL 50PSIG FUEL FLOW 5958PPH VIBRATION
 BREATHER 3.7 "HG FUEL IN 76 F COMP 2.5
 TURB 0.9 Ps3/Pt2 2.76
 OIL IN 181 F PS4 160.9 PSIA PS3 82.7 HGA Ps4/Pt2 10.96
 83 C
 OIL OUT 0 DEG F BAROMETER 29.95 "HG PCP 85.3 PSI
 CELL TEMP 77 F PS3 40.6 PSI
 CAL LOAD CELL STOWED TIME 19:46:02 DATE 03/12/08 PCP RATIO 0.53

JET THRUST, LLC.

FAA REPAIR STATION X5JR105Y

JT8D

Page 24

MODEL JT8D-15

S/N 708336

W.O. 99616

CUSTOMER

JET THRUST

T7

COND

PARTPOWER

1. 861 F

2. 887 F

3. 965 F

CALCULATED AVG.
925 F

4. 951 F

5. 1008 F

6. 943 F

EGT SPREAD
EGT LO ~~842~~ -
CHN216

EGT HI ~~1008~~ -
CHN217

7. 842 F

8. 946 F

DATE 03/12/08

JET THRUST, LLC.

FAA # X5JR105Y JT8D ENGINE TEST

PAGE 2

MODEL JT8D-15 S/N 708336 W.O. 99616 CUST JET THRUST COND IDI

26 C 360 C

CIT 79 F EGT 680 F T7 TIME at TEMP 0 THRUST 0 LBS EPR 1.044

CORRECTED DATA

N1 % 31.41 N1 RPM 2699 *****6 N1 2648 Pt2 29.97 HGA
N2 % 54.93 N2 RPM 6728 *****3 N2 6601 Pt2 AVG -.1 "H
EGT 638
Wf 942 Pt7 31.30 HGA

TIMER 0 sec.

MAIN FUEL 30PSIG

TSFC 1.150

MAIN OIL 44PSIG

FUEL FLOW 967PPH

VIBRATION

BREATHER 0.3 "HG

FUEL IN 76 F

COMP 0.4

OIL IN 218 F
103 C

TURB 1.0

Ps3/Pt2 1.11

OIL OUT 0 DEG F

PS4 14.8 PSIA

PS3 33.4 HGA

Ps4/Pt2 1.00

CELL TEMP 79 F

BAROMETER 29.97 "HG

PCP 21.7 PSI

CAL LOAD CELL STOWED TIME 19:51:37 DATE 03/12/08

PS3 16.4 PSI

PCP RATIO 1.46

JET THRUST, LLC.

FAA # X5JR105Y JT8D ENGINE TEST

PAGE 22

MODEL JT8D-15 S/N 708336

W.O. 99616

CUST JET THRUST

COND TAKEC

25 C 593 C

CIT 77 F EGT 1099 F T7 TIME at TEMP 0

THRUST 14978 LBS EPR 2.114

CORRECTED DATA

N1 % 96.15 N1 RPM 8261 *****3

N1 8121

Pt2 29.89 HGA

Fr 15531

N2 % 94.39 N2 RPM 11562 *****1

N2 11366

Pt2 AVG-1.2 "H

EGT 1047

TIMER 0 sec.

WF 9384

Pt7 63.20 HGA

MAIN FUEL 8PSIG

TSFC 0.604

MAIN OIL 51PSIG

FUEL FLOW 9579PPH

VIBRATION

BREATHER 6.1 "HG

COMP 1.2

FUEL IN 76 F

TURB 1.6

Ps3/Pt2 3.61

OIL IN 172 F

PS4 226.8 PSIA

PS3 108.1 HGA

77 C

Ps4/Pt2 15.44

OIL OUT 0 DEG F

CELL TEMP 77 F

BAROMETER 29.97 "HG

PCP 118.6 PSI

CAL LOAD CELL STOWED TIME 19:55:07 DATE 03/12/08

PS3 53.3 PSI

PCP RATIO 0.52

JET THRUST, LLC.

FAA REPAIR STATION X5JR105Y

JT8D

Page 24

MODEL JT8D-15

S/N 708336

W.O.

99616

CUSTOMER

JET THRUST

T7

COND

TAKEOFF

1. 1091 F

2. 1113 F

3. 1146 F

CALCULATED AVG.
1099 F

4. 1127 F

5. 1141 F

6. 1120 F

EGT SPREAD

EGT LO 985 ~~0~~ EGT HI 1146 ~~00~~ EGT SPREAD 161 ~~0~~
CHN216 CHN217

7. 985 F

8. 1077 F

DATE 03/12/08

JET THRUST, LLC. FAA # X5JR105Y JT8D ENGINE TEST PAGE 21
MODEL JT8D-15 S/N 708336 W.O. 99616 CUST JET THRUST COND MAX.CK
24 C 558 C
CIT 76 F EGT 1036 F T7 TIME at TEMP 0 THRUST 13319 LBS EPR 1.950
CORRECTED DATA
N1 * 91.82 N1 RPM 7889 *****7 N1 7763 Pt2 29.89 HGA
N2 * 92.48 N2 RPM 11329 *****7 N2 13872 Pt2 AVG-1.1 "F
EGT 989 Pt7 58.30 HGA
Wf 8083
TIMER 0 sec. TSFC 0.583
MAIN FUEL 14PSIG
MAIN OIL 51PSIG FUEL FLOW 8243PPH VIBRATION
BREATHER 5.1 "HG FUEL IN 76 F COMP 0.9
TURB 1.3 Ps3/Pt2 3.29
OIL IN 191 F PS4 203.4 PSIA PS3 98.3 HGA Ps4/Pt2 13.84
88 C OIL OUT 0 DEG F PCP 107.1 PSI
CELL TEMP 76 F BAROMETER 29.97 "HG PS3 48.4 PSI
CAL LOAD CELL STOWED TIME 19:58:20 DATE 03/12/08 PCP RATIO 0.52

JET THRUST, LLC.

FAA REPAIR STATION X5JR105Y

JT8D

Page 24

MODEL JT8D-15

S/N 708336

W.O. 99616

CUSTOMER

JET THRUST

COND

MAX. CONT

- 1. T7 985 F
- 2. 1019 F
- 3. 1081 F
- 4. 1064 F
- 5. 1088 F
- 6. 1024 F
- 7. 983 F
- 8. 1049 F

CALCULATED AVG.
1037 F

EGT SPREAD
EGT LO 983 -0- EGT HI 1088 -0- EGT SPREAD 105 -0-
CHN216 CHN217

DATE 03/12/08

JET THRUST, LLC. FAA # X5JR105Y JT8D ENGINE TEST PAGE 22
 MODEL JT8D-15 S/N 708336 W.O. 99616 CUST JET THRUST COND MAX.C
 24 C 534 C
 CIT 76 F EGT 993 F T7 TIME at TEMP 0 THRUST 11918 LBS EPR 1.827
 CORRECTED DATA
 N1 % 88.63 N1 RPM 7615 *****3 N1 7493 Pt2 29.89 HGA
 N2 % 90.91 N2 RPM 11137 *****5 N2 10959 Pt2 AVG-1.1 "H
 EGT 947 Pt7 54.60 HGA
 Wf 7187
 TSFC 0.576
 TIMER 0 sec.
 MAIN FUEL 16PSIG
 MAIN OIL 50PSIG
 FUEL FLOW 7329PPH
 BREATHER 4.4 "HG
 FUEL IN 76 F
 VIBRATION
 COMP 1.2
 TURB 1.3
 OIL IN 190 F PS4 186.2 PSIA PS3 91.6 HGA
 88 C
 OIL OUT 0 DEG F
 CELL TEMP 76 F BAROMETER 29.97 "HG
 CAL LOAD CELL STOWED TIME 20:04:04 DATE 03/12/08
 PCP 98.5 PSI
 PS3 45.0 PSI
 PCP RATIO 0.52

JET THRUST, LLC.

FAA REPAIR STATION X5JR105Y

JT8D

Page 24

MODEL JT8D-15

S/N 708336

W.O. 99616

CUSTOMER

JET THRUST

T7

COND

MAX. CRU

1. 930 F

2. 958 F

3. 1037 F

CALCULATED AVG.

991 F

4. 1023 F

5. 1047 F

6. 988 F

EGT SPREAD

EGT LO ~~930~~ EGT HI ~~1047~~ EGT SPREAD 117

7. 940 F

CHN216

CHN217

8. 1008 F

DATE 03/12/08

JET THRUST, LLC. FAA # X5JR105Y JT8D ENGINE TEST PAGE 22
MODEL JT8D-15 S/N 708336 W.O. 99616 CUST JET THRUST COND C.BA
24 C 499 C
CIT 76 F EGT 930 F T7 TIME at TEMP 0 THRUST 9834 LBS EPR 1.652
CORRECTED DATA
N1 % 84.72 N1 RPM 7280 *****6 N1 7163 Pt2 29.91 HGA
N2 % 88.67 N2 RPM 10863 *****3 N2 10689 Pt2 AVG -.9 "H
EGT 886
Wf 5976 Pt7 49.40 HGA
TMSFC 0.576
TIMER 0 sec.
MAIN FUEL 21PSIG
MAIN OIL 49PSIG
BREATHER 3.7 "HG FUEL FLOW 6098PPH VIBRATION
COMP 1.3
TURB 0.9 Ps3/Pt2 2.79
FUEL IN 76 F
OIL IN 192 F PS4 164.0 PSIA PS3 83.5 HGA
89 C
OIL OUT 0 DEG F
CELL TEMP 76 F BAROMETER 29.97 "HG
PCP 86.7 PSI
PS3 41.0 PSI
CAL LOAD CELL STOWED TIME 20:11:02 DATE 03/12/08
PCP RATIO 0.52

JET THRUST, LLC. FAA # X5JR105Y JT8D ENGINE TEST PAGE 22
MODEL JT8D-15 S/N 708336 W.O. 99616 CUST JET THRUST COND IDL
CIT 25 C 359 C THRUST 0 LBS EPR 1.048
77 F EGT 678 F T7 TIME at TEMP 0 CORRECTED DATA
N1 * 31.32 N1 RPM 2691 *****6 N1 2645 Pt2 29.95 HGA
N2 * 54.78 N2 RPM 6711 *****3 N2 6597 Pt2 AVG -.2 "H
EGT 640 Pt7 31.40 HGA
Wf 945
TIMER 0 sec. TSFC 1.170
MAIN FUEL 30PSIG
MAIN OIL 44PSIG FUEL FLOW 967PPH VIBRATION
BREATHER 0.3 "HG FUEL IN 76 F COMP 0.2
TURB 1.1 Ps3/Pt2 1.10
OIL IN 219 F PS4 14.8 PSIA PS3 33.2 HGA Ps4/Pt2 1.00
104 C
OIL OUT 0 DEG F BAROMETER 29.97 "HG PCP 21.4 PSI
CELL TEMP 77 F
CAL LOAD CELL STOWED TIME 20:17:02 DATE 03/12/08 PS3 16.3 PSI
PCP RATIO 1.44

JET THRUST, LLC.		FAA # X5JR105Y	JT8D ENGINE TEST	PAGE 22
MODEL JT8D-15	S/N 708336	W.O. 99616	CUST JET THRUST	COND REVER
24 C	591 C			
CIT 76 F	EGT 1095 F	T7 TIME at TEMP 0	THRUST 14957 LBS	EPR 2.109
			CORRECTED DATA	
N1 % 96.00	N1 RPM 8249	*****3	N1 8117	Pt2 29.87 HGA
N2 % 94.10	N2 RPM 11527	*****1	Fn 15521	Pt2 AVG-1.4 "H
			N2 11343	Pt7 63.00 HGA
			EGT 1046	
TIMER 0 sec.			Wf 9502	
	MAIN FUEL 8PSIG		TSFC 0.613	
MAIN OIL 51PSIG				
BREATHER 5.9 "HG	FUEL FLOW 9684PPH		VIBRATION	
	FUEL IN 77 F		COMP 2.1	Pt3/Pt2 3.65
OIL IN 155 F			TURB 1.5	Pt4/Pt2 15.41
68 C				PCP 112.3 PSI
	PS4 226.1 PSIA		PS3 109.1 HGA	PS3 53.6 PSI
OIL OUT 0 DEG F				PCP RATIO 0.49
CELL TEMP 76 F		BAROMETER 29.97 "HG		
CAL LOAD CELL STOWED	TIME 20:25:07	DATE 03/12/08		

JET THRUST, LLC. FAA #X5JR105Y ENGINE TEST PAGE 27
MODEL JT8D-15 S/N 708336 W.O. 99616 CUSTOMER JET THRUST

BLEED VALVE SCHEDULE

MIN LIMIT	38.4	CHN223	PS4	0	PSIG
MAX LIMIT	42.2	CHN224	PS3	2.1	PSIG
OPEN @	40.1	CHN225	PS3	34.2	HGA
CLOSED @	40.7	CHN226			

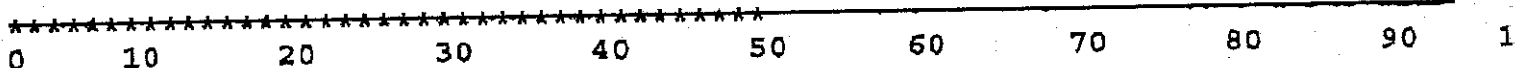
DATE 03/12/08

MODEL JT8D-15 S/N 708336 W.O. 99616 CUSTOMER JET THRUST

ACCELERATION TIME CHECK

N2 RPM PERCENT 93.96

PERCENT RPM

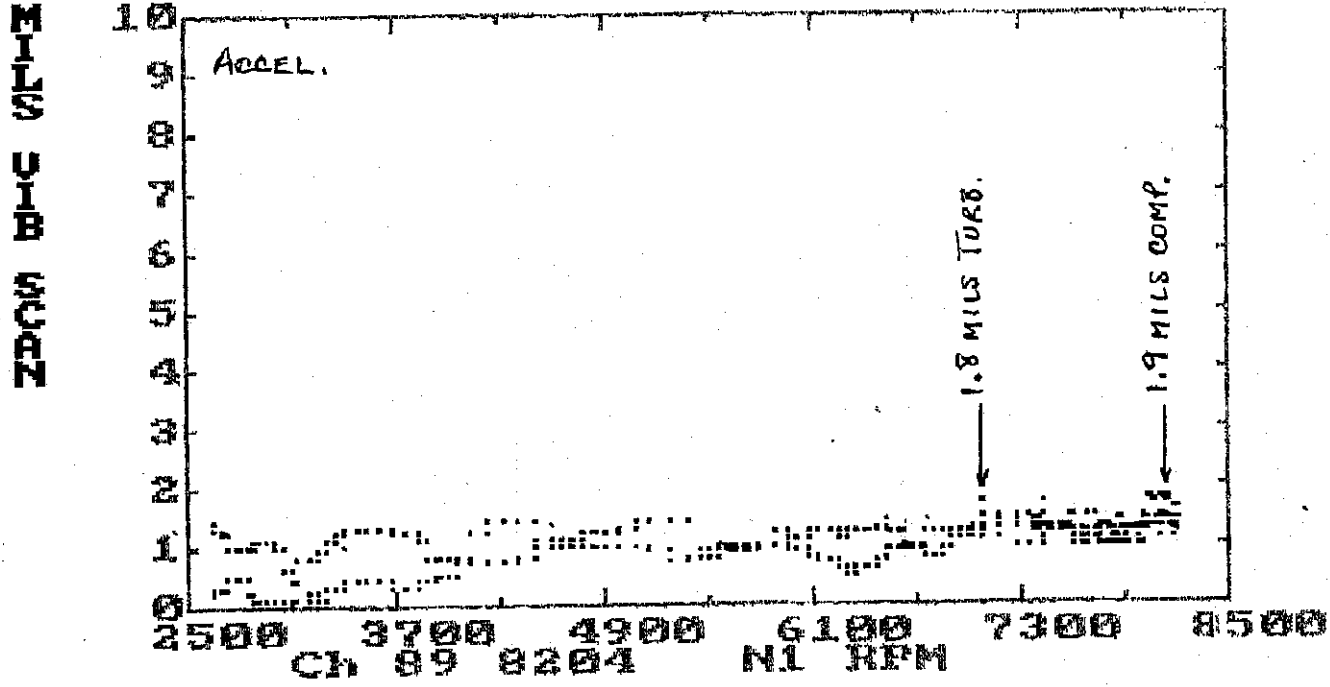


TIME 6.0

DATE 03/12/08

TIME OF DAY 20:20:19

Program 'XYSCAT', run date: 03-12-2008
 (CH 50) (CH 51)



Program 'XYSCAT', run date: 03-12-2008
 (CH 50) (CH 51)

