

DOCKET NO.: SA-515

**NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C.**

MAINTENANCE GROUP CHAIRMAN'S FACTURAL REPORT

ATTACHMENT 9

**DELTA AIR LINES JT8D-219 ENGINE
MAINTENANCE MANAGEMENT PLAN (EMMP)
LIGHT MAINTENANCE GUIDANCE AND RECORDS
FOR WORK DONE ON ENGINE AND HUB**

(5 PAGES)

LIGHT MAINTENANCE
ENGINE DISASSEMBLED (PARTIAL OR COMPLETE) (CONT'D)

CONDITION	JT8D-219 E.M. REFERENCE	INSPECTION REQUIREMENTS:
	72-00-33	<i>Front Compressor Group (NI):</i>
Installed:	72-33-00, CHECK-01 72-33-21 & 72-33-31 MD88 M/M, CHECK-01	<ol style="list-style-type: none"> 1. Visually inspect exposed areas. Inspect fan for evidence of FOD. Check blades to ensure shrouds are not locked up. 2. If fan blade set exceeds 4,000 cycles since restoration, route for inspection and L.E. restoration. Fan hub is to be shotpeened in conjunction with fan blade L.E. restoration. 3. Repair any exposed fan blades which exhibit FOD: <ol style="list-style-type: none"> A. If inlet case is installed, repair 1st stage fan blades per the E.M. <u>EXCEPTION</u>: Do not attempt to blend blades having any damage in Area "E" of L.E. In this case, remove <u>all</u> damaged blades and route for prime shop inspection and repair. B. If blades exceed FOD repair limits or the inlet case has been removed, remove fan assembly and route assembly for replacement of damaged blades and rebalance. C. If the fan assembly has already been removed, route fan for the removal and repair of blades. 4. For stage 1 fan assemblies removed from the rotor for convenience, wipe blades to remove dirt.
Removed; Assembled	72-33-00, CHECK-01	1. Visually inspect additionally exposed areas.
Removed; Disassembled	72-33-00, CHECK-01 72-33-21, INSP-01 72-33-22 thru 72-33-27, INSP-01	<ol style="list-style-type: none"> 1. Visually inspect all exposed hardware. 2. All fan blades exhibiting FOD or other damage must be removed for NDT and routed for NDT and repair per Section 72-33-21. 3. Check chord width of 1.5 thru 6th stage blades, when disk/blade assemblies are removed from the rotor.
	72-33-61 thru -64, INSP-01	4. Inspect compressor case rubstrips for excessive erosion. Replace if parent metal is visible.

**DELTA AIR LINES
LIFE LIMITED PART HISTORY**

ALN: 0204
MFG P/N: 5000501-01

MFG S/N: R32971
PARTS: FRONT HUB

AIR LINE CODE	A/C POS	ENG TYPE	ENG S/N	INST DATE	INST A/C TT	INST A/C TC	INST PART TT	INST PART TC	TRANSFR/RMVL DATE	RMVL A/C TT	RMVL A/C TC	RMVL PART TT	RMVL PART TC
DAL	927/1	J29	726984	01-Jan-96	20501.9	17685	15013.2	12693	06-Jul-96	22030.7	18826	16542.0	13835
DAL	905/1	J29	725627	06-Mar-92	13839.9	12813	5020.0	4456	24-Sep-95	23833.1	21045	15013.2	12693
DAL	956/1	J29	725528	27-Apr-90	0.0	0	5020.0	4456	14-Jan-92	5020.0	4453	5020.0	4456

CURRENT STATUS

DATE AS OF	PART TT	PART TC	HR LIMIT	CYC LIMIT	HRS REM	CYCS REM
07/06/96	16542.0	13835		20000		6165

**DELTA AIR LINES
ENGINE RECORD
OFFICIAL DOCUMENT**

REMARK:

To the best of my knowledge, the data depicted in this report is valid and complete.

②
NOTE: FAN
FROM 725627
Fan assy scheduled &
assigned to s/n 726984

By [Signature] Dated 7/7/96

Dept. 272A

JIC
SIGN-OFF RECORD

OPN. No. M138

Eng. S/N 33X25528

J29

ACBTY No. 1

WORK CARD SUMMARY SHEET (JT8D-219)

MECH L MECH INSP

NOTE: INDICATE TYPE OF WORK ACCOMPLISHED

PMMP LM
CHECK BALANCE _____
REPAIR _____

NOTE: RECORD THE FOLLOWING:

TRACKING NO. VTB217
ROTOR/MOD SN 725627
DATE STARTED 24 OCT 95
DATE COMPLETED 02 APR 96

NOTE: THIS DECK OF JIC CARDS ARE NUMBERED-

FROM 1
TO 6

NOTE: SCHEDULER IS TO SIGN THE "MECHANIC" BLOCK. ALL NON-APPLICABLE FIELDS MUST BEAR "N/A" AND INITIALS (FIRST MIDDLE AND LAST). ALL APPLICABLE ITEMS REQUIRE FIRST INITIAL AND FULL LAST NAME.

1. JIC, JPC AND N/R CARDS ARE CHECKED AND ALL ITEMS PROPERLY SIGNED.
2. PARTS DATA CARDS ARE CHECKED AND ALL ITEMS PROPERLY SIGNED.
3. E.O. CARDS ARE CHECKED AND ALL ITEMS PROPERLY SIGNED.

REMARKS _____

MECH	L MECH	INSP
<u>[Signature]</u>		
<u>[Signature]</u>		
<u>[Signature]</u>		

3

L.M.V.I.

J29

Eng. S/N 33X25528

ACBTY No. 2

DISASSEMBLE FRONT COMPRESSOR ROTOR (N1) (JT8D-219)

MECH L MECH INSP

NOTE: Steps 1 thru 8, Ref JT8D-219 ESM as indicated

- ① DISASSEMBLE ROTOR AND PLACE IN STAND. (72-33-00 Disassy-01)
- ② REMOVE BLADES FROM STAGE 1. (72-33-02 Disassy-01)
- 3. REMOVE BLADES FROM STAGE 1.5. (72-33-03 Disassy-01)
- 4. REMOVE BLADES FROM STAGE 2. (72-33-04 Disassy-01)
- 5. REMOVE BLADES FROM STAGE 3. (72-33-05 Disassy-01)
- 6. REMOVE BLADES FROM STAGE 4. (72-33-06 Disassy-01)
- 7. REMOVE BLADES FROM STAGE 5. (72-33-07 Disassy-01)
- 8. REMOVE BLADES FROM STAGE 6. (72-33-08 Disassy-01)
- 9. INSPECT BLADE CHORDS PER PMMP MANUAL.
- 10. INSPECT DISKS AND BLADES, STAGES 1 THRU 6 PER PMMP MANUAL.
- 11. INSPECT STATORS AND CASES PER PMMP MANUAL

	MECH	L MECH	INSP
1	MECH		
2	MECH		
3.	N/A		
4.	N/A		
5.	N/A		
6.	N/A		
7.	N/A		
8.	N/A		
9.		N/A	
10.		N/A	
11.		N/A	

⊗ FAN Hub to Shotpeen

FAN Blds to Rework, Time

⊗ CK for FOD 1.5 & 6th

H

UR2123-1
 RUN DATE 09/26/95

DELTA AIRLINES, INC
 AIRCRAFT COMPONENT TRACKING SYSTEM
 END ASSEMBLY COMPONENT REPORT AS OF 09/24/95
 REMOVED
 SERIAL NBR 725627

STRUCT E J29 ALN 0000 MFG PN JT80219
 TT 13976.8 TC 11605.0

SHIP #995 POS 1	INSTALLED #3/06/92	TST 13839.9	TSC 12813.0	FLT NBR 1239	STA ATL	LOWEST RESTR	REMAIN	#.00
	REMOVED #9/24/95	23833.1	21045.0		ATL	HR:ALN #432	REMAIN	52.00

ALN	DESC	KEYWORD	MFG PART NUMBER	SERIAL NUMBER	S C		TC	RESTR	T L	LIMIT	ACTUAL	REMAIN	
					T	N							
7233H	N1	ROTOR	798724	33X25528	A	S	15013.2	12685.0	CSHM	C S	8232		
									TSHM	H S	9993		
									CSLM	C S	8232		
									TSLM	H S	9993		
0204S	FAN	ASSEMBLY	798921	33X25528	A	S	9993.2	8232.0	CSHM	C S	0000	8232	-4232 *
									TSHM	H S	9993		
0206	FAN FRT	CASE	799704	504070	A	S	13188.2	11849.0	CSHM	C S		11849	
									TSHM	H S		13188	
0202	FAN R	CASE	799703	VB7842	A	S	15013.2	12685.0	CSHM	C S		12685	
									TSHM	H S		15013	
0204	FRONT	HUB	5000501-01	R32971	A	S	15013.2	12693.0	LIFE LMT	C H	20000	12693	7307
									TSHM	H S		15013	
									CSHM	C S		12693	
0209	N2	DISC	772402	S23932	A	S	15013.2	12685.0	LIFE LMT	C H	20000	12685	7315
									TSHM	H S		15013	
									CSHM	C S		12685	
0210	2C	BLD SET	772302	33X25528	A	S	15013.2	12685.0	CSHM	C S		12685	
									TSHM	H S		15013	
0212	N3	DISC	772803	R75327	A	S	15013.2	12685.0	LIFE LMT	C H	20000	12685	7315
									TSHM	H S		15013	
									CSHM	C S		12685	
0213	3C	BLD SET	778503	33X25528	A	S	15013.2	12685.0	CSHM	C S		12685	
									TSHM	H S		15013	
0215	FCR	HUB	777704	R74610	A	S	15013.2	12685.0	LIFE LMT	C H	20000	12685	7315
									TSHM	H S		15013	
									CSHM	C S		12685	

(5)