

DOCKET NO.: SA-515

EXHIBIT NO. 11B

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

MAINTENANCE GROUP CHAIRMAN'S FACTUAL REPORT

ATTACHMENT 1

**PRATT & WHITNEY STATEMENT
JULY 10, 1996**

(2 PAGES)

**1st Stage Fan Hub
P/N 5000501-01
S/N R32971**

A review of the manufacturing records reveals that this hub serial number was manufactured from a heat of PWA 1215 titanium alloy (Heat No. T882523) melted by Timet on 11/29/87.

This heat of material was cut into four billets. Mults from the four billets were forged into thirty two fan hub forgings (P/N 1S808201) by Ladish. The Ladish assigned heat code and suffix number for the fractured disk was LCCU-4019. The fractured hub was forged from billet "M2", which was the third billet from the top of the heat (i.e., the second billet from the bottom).

The hub was finish machined by Volvo.

The hub non-destructive inspections were as follows:

Forging Ultrasonic Inspection	Accepted 10/ 6/88
Blue Etch Anodize	Accepted 6/14/89
Fluorescent Penetrant Inspection	Accepted 6/14/89

No manufacturing deviations were reported.

The hub was shipped in JT8D-219 engine No. P-725528.

Mike Young
P&W Airworthiness



July 10, 1996

JT8D-200 Series
 1st Stage Fan Hub
 P/N 5000501-01

Hub Serial Numbers from Heat Code LCCU

HEAT SERIAL	SFX NO	FORGING NUMBER PART NUMBER	HEAT SERIAL	SFX NO	FORGING NUMBER PART NUMBER
LCCU	4001	18808201	LCCU	4020	18808201
R32956		5000501-01	R33019		5000501-01
	4002	18808201		4021	18808201
R32985		5000501-01	R33070		5000501-01
	4003	18808201		4022	18808201
R32986		5000501-01	R33000		5000501-01
	4004	18808201		4023	18808201
R32969		5000501-01	R33089		5000501-01
	4005	18808201		4024	18808201
R33015		5000501-01	R32959		5000501-01
	4006	18808201		4025	18808201
R33077		5000501-01	R33108		5000501-01
	4007	18808201		4026	18808201
R33016		5000501-01	R33127		5000501-01
	4008	18808201		4027	18808201
R32957		5000501-01	S25232		5000501-01
	4009	18808201		4028	18808201
R33069		5000501-01	R33047		5000501-01
	4010	18808201		4029	18808201
R32999		5000501-01	R33030		5000501-01
	4011	18808201		4030	18808201
R33107		5000501-01	R33109		5000501-01
	4012	18808201		4031	18808201
R32958		5000501-01	R33071		5000501-01
	4013	18808201		4032	18808201
R32970		5000501-01	R33031		5000501-01
	4014	18808201			
R33103		5000501-01			
	4015	18808201			
R33017		5000501-01			
	4016	18808201			
R33078		5000501-01			
	4017	18808201			
R33018		5000501-01			
	4018	18808201			
R33029		5000501-01			
	4019	18808201			
R32971		5000501-01			

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