



National Transportation Safety Board

Aviation Incident Data Summary

Location:	ATLANTA, GA	Incident Number:	ATL87IA034
Date & Time:	12/02/1986, 2305 EST	Registration:	N802MX
Aircraft:	de Havilland DHC-8-101	Injuries:	7 None
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Analysis

AT ABOUT 4,000 FT MSL, CPT ON SCH DOM FLT REPORTED LOUD POP AND SUB SHUTDOWN OF RT ENG. SMELL OF SMOKE AND VISUAL CONFIRMATION OF FIRE IN RT NACELLE. SHIPS FIRE EXT ACTIVATED DURING RETURN TO DEPT. ARPT. LANDED WITHOUT FURTHER INCIDENT. INVESTIGATION REVL'D FAILURE OF TURBINE STATOR RETAINING RING P&W PART NO 3034363. P&W HAD OUTSTANDING S.B. ISSUED AT THE TIME. THIS WAS ONLY ENG IN OPER FLT THAT S.B. HAD NOT BEEN COMP ON. THIS ENG WAS ALSO LEAD ENG FOR OPER FLT.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this incident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - MECH FAILURE/MALF
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) TURBINE ASSEMBLY,RING - FAILURE,TOTAL
 2. (C) MAINTENANCE,SERVICE BULLETIN/LETTER - NOT FOLLOWED - COMPANY MAINTENANCE PERSONNEL
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Occurrence #2: FIRE

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

3. FIRE EXTINGUISHING EQUIPMENT - INITIATED - PILOT IN COMMAND

Pilot Information

Certificate:	Airline Transport	Age:	30
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	7450 hours (Total, all aircraft), 1000 hours (Total, this make and model), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	de Havilland	Registration:	N802MX
Model/Series:	DHC-8-101 DHC-8-101	Engines:	2 Turbo Prop
Operator:	METRO EXPRESS, INC.	Engine Manufacturer:	P&W
Operating Certificate(s) Held:	Commuter Air Carrier (135)	Engine Model/Series:	PW120ABS-632
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	ATL, 1026 ft msl	Weather Information Source:	Witness
Lowest Ceiling:	Overcast / 2800 ft agl	Wind Speed/Gusts, Direction:	12 knots / , 270°
Temperature:	8° C	Visibility	8 Miles
Precipitation and Obscuration:			
Departure Point:		Destination:	HUNTSVILLE, AL (HSV)

Airport Information

Airport:	ATLANTA HARTSFIELD (ATL)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	3 None	Aircraft Damage:	Minor
Passenger Injuries:	4 None	Aircraft Fire:	In-Flight
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	WALTER G STINER	Adopted Date:	
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.