Aviation Investigation Final Report

Location:	TAMPA, Florida	**Incident Number:**	MIA87IA068
Date & Time:	January 6, 1987, 09:32 Local	**Registration:**	N6819
Aircraft:	BOEING 727-223	**Aircraft Damage:**	Minor
Defining Event:		**Injuries:**	148 None
Flight Conducted Under:	Part 121: Air carrier - Scheduled		

Analysis

THE REGULARLY SCHEDULED AIR CARRIER FLIGHT WAS CLIMBING TO ALTITUDE WHEN THE ENGINE OIL PRESSURE AND QUANTITY DROPPED TO ZERO ON THE #3 ENGINE; IT WAS SHUT DOWN. SHORTLY THEREAFTER, THE #1 ENGINE OIL PRESSURE DROPPED TO ZERO. IT WAS REDUCED TO IDLE AND THE FLIGHT DIVERTED AND EXECUTED NORMAL LANDING. THE #3 ENGINE LOST OIL DUE TO A FAILED OIL PRESSURE TUBE TO THE # 6 BEARING. THE #1 ENGINE LOST OIL DUE TO OIL CONTAMINATION WITH HYDRAULIC FLUID. INTERVIEWS WITH AMERICAN AIRLINES AND CONTRACT MAINTENANCE PERSONNEL THAT HAD SERVICED THE ACFT WITHIN THE PREVIOUS 30 DAYS REVEALED NO DISCREPANCIES THAT WOULD HAVE ALLOWED HYDRAULIC FLUID TO ENTER THE OIL SYSTEM. THE #3 ENG OIL PRESSURE TUBE WAS LOST IN TRANSIT BY AAL FREIGHT PRESONNEL SO IT COULD NOT BE EXAMINED.

Probable Cause and Findings

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

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: CLIMB - TO CRUISE

Findings
1. (C) LUBRICATING SYSTEM,OIL LINE - FAILURE,TOTAL

Occurrence #2: LOSS OF ENGINE POWER
Phase of Operation: CRUISE - NORMAL

Findings
2. (C) FLUID,OIL GRADE - CONTAMINATION
3. (C) MAINTENANCE,SERVICE OF AIRCRAFT/EQUIPMENT - INADVERTENT - UNQUALIFIED PERSON
4. EMERGENCY PROCEDURE - PERFORMED

Factual Information

Pilot Information

Certificate:	Airline transport	**Age:**	48,Male
Airplane Rating(s):	Single-engine land; Multi-engine land	**Seat Occupied:**	Left
Other Aircraft Rating(s):	None	**Restraint Used:**	
Instrument Rating(s):	Airplane	**Second Pilot Present:**	Yes
Instructor Rating(s):	None	**Toxicology Performed:**	No
Medical Certification:	Class 1 Valid Medical--no waivers/lim.	**Last FAA Medical Exam:**	October 9, 1986
Occupational Pilot:	Yes	**Last Flight Review or Equivalent:**	
Flight Time:	14500 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BOEING	**Registration:**	N6819
Model/Series:	727-223 727-223	**Aircraft Category:**	Airplane
Year of Manufacture:		**Amateur Built:**	
Airworthiness Certificate:	Transport	**Serial Number:**	19494
Landing Gear Type:	Retractable - Tricycle	**Seats:**	154
Date/Type of Last Inspection:	December 4, 1986 Continuous airworthiness	**Certified Max Gross Wt.:**	142000 lbs
Time Since Last Inspection:	218 Hrs	**Engines:**	3 Turbo fan
Airframe Total Time:		**Engine Manufacturer:**	P&W
ELT:	Installed, not activated	**Engine Model/Series:**	JT8D-9
Registered Owner:	AMERICAN AIRLINES	**Rated Power:**	17400 Lbs thrust
Operator:		**Operating Certificate(s) Held:**	Flag carrier (121)
Operator Does Business As:		**Operator Designator Code:**	AALA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	**Condition of Light:**	Day
Observation Facility, Elevation:	TPA ,10 ft msl	**Distance from Accident Site:**	
Observation Time:	08:51 Local	**Direction from Accident Site:**	
Lowest Cloud Condition:	Clear	**Visibility**	12 miles
Lowest Ceiling:	None	**Visibility (RVR):**	
Wind Speed/Gusts:	9 knots /	**Turbulence Type Forecast/Actual:**	/
Wind Direction:	50°	**Turbulence Severity Forecast/Actual:**	/
Altimeter Setting:	30 inches Hg	**Temperature/Dew Point:**	12°C / 8°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	FT.LAUDERDALE , FL (FLL)	**Type of Flight Plan Filed:**	IFR
Destination:	DALLAS , TX (DFW)	**Type of Clearance:**	IFR
Departure Time:	08:50 Local	**Type of Airspace:**	Class E

Airport Information

Airport:		**Runway Surface Type:**	
Airport Elevation:	0 ft msl	**Runway Surface Condition:**	
Runway Used:	0	**IFR Approach:**	None
Runway Length/Width:	0 ft / 0 ft	**VFR Approach/Landing:**	None

Wreckage and Impact Information

Crew Injuries:	7 None	**Aircraft Damage:**	Minor
Passenger Injuries:	141 None	**Aircraft Fire:**	None
Ground Injuries:	N/A	**Aircraft Explosion:**	None
Total Injuries:	148 None	**Latitude, Longitude:**	27.960159,-82.490531(est)

Administrative Information

Investigator In Charge (IIC):	Alston, Andrew
Additional Participating Persons:	JOHN FEIL; DALLAS , TX TOM MCFALL; DALLAS , TX J PROSZEK; DALLAS , TX ROBERT SINGLETON; CLEARWATER , FL
Original Publish Date:	July 10, 1989
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=31789