



National Transportation Safety Board Aviation Incident Data Summary

Location:	MIAMI, FL	Incident Number:	MIA83IA218
Date & Time:	09/01/1983, 1100 EDT	Registration:	YV134
Aircraft:	MCDONNELL DOUGLAS DC-10-30	Injuries:	201 None
Flight Conducted Under:	Part 129: Foreign		

Analysis

THE ACFT EXPERIENCED THE SEPARATION OF A FLAP VANE WHILE ON FINAL APPROACH TO LAND. 50 INCHES OF THE RIGHT FLAP VANE SEPARATED AND CAUSED SLIGHT DAMAGE TO A PARKED AUTO ON THE STREET BELOW. THE ACFT CONTINUED ON TO AN UNEVENTLY LANDING. THE INCIDENT WAS NOT NOTICED UNTIL A LOCAL RESIDENT CALLED TO REPORT THE FALLEN ARTICLE. ALL DC-10 OPERATORS WERE NOTIFIED BY TELEX OF THE FAILURE DUE TO DELAMINATION OF THE VANE FROM MOISTURE INGESTION. A SKIN REPAIR HAD BEEN MADE IN THIS CASE AND A COLD BOND METHOD WITH INADEQUATE SURFACE PREPARATION AND INSUFFICIENT PRESSURE DURING BONDING WERE MAJOR FACTORS IN THE FAILURE OF THE BOND. THE IDENTITY OF THE FACILITY THAT MADE THE BOND REPAIR TO THE VANE WAS NOT DETERMINED.

Probable Cause

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: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (C) FLIGHT CONTROL, FLAP ATTACHMENT - SEPARATION
2. (C) MAINTENANCE, MAJOR REPAIR - IMPROPER - OTHER MAINTENANCE PERSONNEL

Pilot Information

Certificate:	Airline Transport	Age:	38
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	
Flight Time:	12000 hours (Total, all aircraft), 2000 hours (Total, this make and model), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	MCDONNELL DOUGLAS	Registration:	YV134
Model/Series:	DC-10-30 DC-10-30	Engines:	3 Turbo Fan
Operator:	VENEZUELAN INTERNATIONAL ARWYS	Engine Manufacturer:	GE
Operating Certificate(s) Held:	Flag carrier (121)	Engine Model/Series:	CF6-50C
Flight Conducted Under:	Part 129: Foreign		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MIA, 10 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 25000 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 180°
Temperature:	30° C	Visibility	7 Miles
Precipitation and Obscuration:			
Departure Point:	CARACAS (MVZN)	Destination:	

Wreckage and Impact Information

Crew Injuries:	13 None	Aircraft Damage:	Minor
Passenger Injuries:	188 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	THOMAS W WATSON	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/ .		

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