



National Transportation Safety Board Aviation Accident Final Report

Location:	WHEELING, WV	Accident Number:	BFO88LA016
Date & Time:	02/01/1988, 1703 EST	Registration:	N287W
Aircraft:	DASSAULT DA-20	Aircraft Damage:	Substantial
Defining Event:		Injuries:	9 None

Flight Conducted Under: Part 91: General Aviation - Business

Analysis

THE ACFT LANDED AFTER AN ILS APCH TO RWY 03. ACCORDING TO THE PLT SHORTLY AFTER TOUCHDOWN HE SAW DEER AHEAD ON THE RWY. BEFORE HE COULD TAKE EVASIVE ACTION THE ACFT STRUCK TWO DEER. AFTERWARDS BRAKE PRESSURE WAS LOST. THE PLT STEERED THE ACFT ONTO GRASS OFF THE RIGHT SIDE OF THE RWY TO AVOID GOING PAST THE RWY END AND DOWN A HILL. EXAMINATION OF THE ACFT REVEALED THAT THE DEER WERE STRUCK WITH THE LEFT MAIN GEAR, FRACTURING A HYDRAULIC BRAKE LINE.

Probable Cause and Findings

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

Findings

Occurrence #1: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Findings

1. (F) WEATHER CONDITION - FOG
2. (C) OBJECT - ANIMAL(S)
3. (C) CLEARANCE - NOT POSSIBLE

Occurrence #2: NOSE GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

4. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - DISABLED
5. BRAKES(NORMAL) - UNAVAILABLE
6. LANDING GEAR,NOSE GEAR ASSEMBLY - OVERLOAD

Factual Information

Pilot Information

Certificate:	Airline Transport; Commercial	Age:	43, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	07/06/1987
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	8175 hours (Total, all aircraft), 2816 hours (Total, this make and model), 7382 hours (Pilot In Command, all aircraft), 120 hours (Last 90 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	DASSAULT	Registration:	N287W
Model/Series:	DA-20 DA-20	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	194
Landing Gear Type:	Retractable - Tricycle	Seats:	12
Date/Type of Last Inspection:	01/01/1988, Unknown	Certified Max Gross Wt.:	27337 lbs
Time Since Last Inspection:		Engines:	2 Turbo Jet
Airframe Total Time:	7163 Hours	Engine Manufacturer:	GE
ELT:	Not installed	Engine Model/Series:	CF-700-2D2
Registered Owner:	NEVADA FLYCO INC	Rated Power:	4500 lbs
Operator:	NEVADA FLYCO INC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Dusk
Observation Facility, Elevation:	HLG, 1196 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1709 EST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	1 Miles
Lowest Ceiling:	Overcast / 1600 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	CANTON, OH (CAK)	Type of Flight Plan Filed:	IFR
Destination:	WHEELING, WV (HLG)	Type of Clearance:	IFR
Departure Time:	1635 EST	Type of Airspace:	Class E

Airport Information

Airport:	WHEELING-OHIO COUNTY (HLG)	Runway Surface Type:	Asphalt
Airport Elevation:	1196 ft	Runway Surface Condition:	Wet
Runway Used:	3	IFR Approach:	ILS
Runway Length/Width:	5000 ft / 150 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	7 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	9 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	DENNIS L JONES	Report Date:	03/13/1989
Additional Participating Persons:	DAVID KOUNTZ; WEST MIFLIN, PA		
Publish 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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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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).