



National Transportation Safety Board

Aviation Accident Final Report

Location:	SHEBOYGAN FALLS, WI	Accident Number:	CHI92FA170
Date & Time:	06/12/1992, 1210 CDT	Registration:	N38DJ
Aircraft:	GATES LEARJET 25B	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE CREW DISCUSSED TOUCH-AND-GO LANDINGS AS THEY WALKED OUT TO BOARD. THE CAPTAIN OCCUPIED THE RIGHT SEAT TO ALLOW THE COPILOT TO FLY THE SHORT REPOSITIONING FLIGHT FROM THE LEFT. THE AIRPLANE LIFTED OFF PREMATURELY AND REMAINED IN GROUND EFFECT. ROLL ATTITUDE VACILLATED SLIGHTLY BEFORE ONSET OF A RAPID RIGHT ROLL TO INVERTED AT GROUND IMPACT. THE ENGINES CONTINUED TO RUN AFTER IMPACT; BOTH WERE SELECTED TO HIGH POWER. NO MATERIAL OR MECHANICAL DISCREPANCY WAS FOUND WHICH DIMINISHED POWER OR AIRCRAFT CONTROL.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE COPILOT'S PREMATURE LIFTOFF AND THE CAPTAIN'S INADEQUATE REMEDIAL ACTION RESULTING IN LOSS OF AIRCRAFT CONTROL AT LOW ALTITUDE.

Findings

Occurrence #1: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF

Findings

1. (C) LIFT-OFF - PREMATURE - COPILOT/SECOND PILOT
2. (C) REMEDIAL ACTION - INADEQUATE - PILOT IN COMMAND
3. CLIMB - NOT ATTAINED - UNKNOWN
4. STALL - INADVERTENT - UNKNOWN

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

5. TERRAIN CONDITION - RUNWAY

Factual Information

Pilot Information

Certificate:	Airline Transport; Commercial; Military	Age:	53, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	01/07/1992
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	17012 hours (Total, all aircraft), 5738 hours (Total, this make and model), 15183 hours (Pilot In Command, all aircraft), 79 hours (Last 90 days, all aircraft), 28 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	GATES LEARJET	Registration:	N38DJ
Model/Series:	25B 25B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Transport	Serial Number:	191
Landing Gear Type:	Retractable - Tricycle	Seats:	9
Date/Type of Last Inspection:	06/05/1992, AAIP	Certified Max Gross Wt.:	15500 lbs
Time Since Last Inspection:	7 Hours	Engines:	2 Turbo Jet
Airframe Total Time:	9798 Hours	Engine Manufacturer:	GE
ELT:	Not installed	Engine Model/Series:	CJ 610-6
Registered Owner:	JET CHARTER GROUP, INC.	Rated Power:	2950 lbs
Operator:	JET CHARTER GROUP, INC.	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:	PROFESSIONAL AMBULANCE SERVICE	Operator Designator Code:	DRVA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MTW, 651 ft msl	Distance from Accident Site:	26 Nautical Miles
Observation Time:	1153 CDT	Direction from Accident Site:	22°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	10 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	29°C / 13°C
Precipitation and Obscuration:			
Departure Point:	(SBM)	Type of Flight Plan Filed:	None
Destination:	MANITOWOC, WI (MTW)	Type of Clearance:	None
Departure Time:	1210 CDT	Type of Airspace:	Class G

Airport Information

Airport:	SHEBOYGAN COUNTY MUNI (SBM)	Runway Surface Type:	Asphalt
Airport Elevation:	749 ft	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	5400 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	J R VALLASTER	Report Date:	08/26/1993
Additional Participating Persons:	CLIFFORD D SNYDER; MILWAUKEE, WI CHARLES A EBERT; MILWAUKEE, WI THOMAS L LIND; MILWAUKEE, WI JAMES D LABELLE; WEST CHICAGO, IL		
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.ntsb.gov/pubdms/ .		

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