



National Transportation Safety Board Aviation Accident Data Summary

Location:	Pueblo, CO	Accident Number:	CEN12FA151
Date & Time:	02/02/2012, 1912 MST	Registration:	N31WS
Aircraft:	GATES LEAR JET 35	Injuries:	10 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilots were departing on a contaminated runway with a left crosswind at night in a snowstorm. According to global positioning system data, when the airplane reached a ground speed of 120 knots on the takeoff roll, it veered to the right. The captain was unable to maintain directional control, and the airplane veered off the right side of the runway. The airplane continued across several taxiways, and the main landing gear assemblies and the right wing tip fuel tank separated from the airframe, then the nose gear collapsed, and the airplane came to rest on a grassy area. All eight passengers and both pilots exited the airplane through the main cabin door. Postaccident examination revealed that damage to the right main landing gear torque link and both tires was consistent with the runway excursion. The cockpit voice recorder was not working properly, and audio from the accident flight was not recorded. Data downloaded from the digital electronic engine controls indicated that both engines were operating with no significant difference in thrust. An examination of the airplane's flight controls revealed no preimpact mechanical deficiencies that would have precluded normal operation.

Flight Events

Takeoff - Loss of control on ground

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The captain's failure to maintain airplane control during an attempted crosswind takeoff on a contaminated runway.

Findings

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C
Environmental issues-Conditions/weather/phenomena-Wind-Crosswind-Response/compensation - C
Environmental issues-Physical environment-Runway/land/takeoff/taxi surfa-Snow/slush/ice covered-Not specified

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	52
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	15584 hours (Total, all aircraft), 1929 hours (Total, this make and model), 14377 hours (Pilot In Command, all aircraft), 79 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Co-Pilot Information

Certificate:	Airline Transport	Age:	53
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	2198 hours (Total, all aircraft), 1063 hours (Total, this make and model), 794 hours (Pilot In Command, all aircraft), 27 hours (Last 90 days, all aircraft), 7 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	GATES LEAR JET	Registration:	N31WS
Model/Series:	35	Engines:	2 Turbo Fan
Operator:	EXTRAPOINT LLC	Engine Manufacturer:	GARRETT
Air Carrier Operating Certificate:	None	Engine Model/Series:	TFE 731 SER
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	PUB, 4729 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Instrument Conditions	Lowest Ceiling:	Overcast / 300 ft agl
Condition of Light:	Night	Wind Speed/Gusts, Direction:	15 knots, 360°
Temperature:	1° C / -1° C	Visibility:	
Precipitation and Obscuration:			
Departure Point:	Pueblo, CO (PUB)	Destination:	Las Vegas, NV (LAS)

Airport Information

Airport:	Pueblo (PUB)	Runway Surface Type:	Asphalt
Runway Used:	08L	Runway Surface Condition:	Snow; Wet
Runway Length/Width:	10498 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	8 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground

Administrative Information

Investigator In Charge (IIC):	Leah D Yeager	Adopted Date:	04/10/2013
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=82842		

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.