



National Transportation Safety Board Aviation Accident Data Summary

Location:	Columbia, MO	Accident Number:	CEN10CA116
Date & Time:	02/04/2010, 1043 CST	Registration:	N723JP
Aircraft:	PIPER PA-31T	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that the accident occurred during landing at the destination airport under visual weather conditions and light winds. He stated that upon landing, the left main landing gear collapsed and the left wing contacted the runway. The airplane subsequently departed the runway pavement and came to rest about mid-field in the grass adjacent to the runway. It had rotated about 180 degrees and was oriented on an approximately reciprocal heading. The right main landing gear also collapsed during the accident sequence. The pilot stated that verifying the landing gear indications was normally part of his before-landing procedure; however, he could not specifically recall observing three green indications prior to the accident. A postaccident examination revealed substantial damage to the lower fuselage in the vicinity of the cabin entry door. In addition, the inboard landing gear doors exhibited crushing damage consistent with the landing gear being in transit at the time of contact with the runway. The inboard landing gear doors open when the gear is in transit and close after the gear extension sequence is complete. Recorded winds at the time of the accident were 8 knots.

Flight Events

Landing-flare/touchdown - Landing gear collapse
Landing-landing roll - Runway excursion

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's failure to verify that the landing gear was fully extended prior to landing.

Findings

Personnel issues-Action/decision-Action-Delayed action-Pilot - C
Personnel issues-Task performance-Use of equip/info-Use of policy/procedure-Pilot - C

Pilot Information

Certificate:	Commercial	Age:	67
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	5821 hours (Total, all aircraft), 1850 hours (Total, this make and model), 5750 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	PIPER	Registration:	N723JP
Model/Series:	PA-31T	Engines:	2 Turbo Prop
Operator:	MISSOURI FORGE INC	Engine Manufacturer:	U/A CANADA
Air Carrier Operating Certificate:	None	Engine Model/Series:	PT6A SERIES
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	COU, 889 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	8 knots, 100°
Temperature:	1°C / -5°C	Visibility	6 Miles
Precipitation and Obscuration:	Haze; No Precipitation		
Departure Point:	Doniphan, MO (X33)	Destination:	Columbia, MO (COU)

Airport Information

Airport:	Columbia Regional (COU)	Runway Surface Type:	Concrete
Runway Used:	02	Runway Surface Condition:	Dry
Runway Length/Width:	6501 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Timothy Sorensen	Adopted Date:	05/28/2010
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75354		

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