



National Transportation Safety Board Aviation Accident Data Summary

Location:	Cahokia, IL	Accident Number:	CHI01LA079
Date & Time:	02/02/2001, 1608 CST	Registration:	N4249C
Aircraft:	Cessna 310R	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The left landing gear collapsed during landing. The airplane and its landing gear system were inspected and no anomalies were found that could be associated with a pre-impact condition. All fractured portions of the landing gear system had signatures consistent with overload failure. The airplane's left main landing gear collapsed on two prior occasions. The first was on June 27, 1998, and the cause of the gear collapse was undetermined. The second occurrence was on May 15, 2000, and was attributed to the failure of a through-bolt in the gear retraction linkage. The accident flight was the second flight since the maintenance release for the damages that were incurred during the May 15, 2000, accident. The first flight was a maintenance test flight and no anomalies were noted during the flight.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The collapse of the left main landing gear during landing roll for undetermined reasons.

Findings

Occurrence #1: GEAR COLLAPSED
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	24
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine
Flight Time:	1356 hours (Total, all aircraft), 15 hours (Total, this make and model), 1271 hours (Pilot In Command, all aircraft), 55 hours (Last 90 days, all aircraft), 21 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Student Pilot Information

Certificate:	Commercial	Age:	24
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	230 hours (Total, all aircraft), 0 hours (Total, this make and model), 155 hours (Pilot In Command, all aircraft), 5 hours (Last 90 days, all aircraft), 0 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N4249C
Model/Series:	310R	Engines:	2 Reciprocating
Operator:	Parks College of Saint Louis University	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-520-M
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CPS, 413 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	4 knots / , 200°
Temperature:	-6° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Cahokia, IL (CPS)	Destination:	Cahokia, IL (CPS)

Airport Information

Airport:	St. Louis Downtown Airport (CPS)	Runway Surface Type:	Asphalt
Runway Used:	12R	Runway Surface Condition:	Dry
Runway Length/Width:	6997 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): Andrew T Fox

Adopted Date: 05/21/2002

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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