



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Albuquerque, NM	<b>Accident Number:</b>	CEN11LA173
<b>Date &amp; Time:</b>	02/03/2011, 0840 MST	<b>Registration:</b>	N5802C
<b>Aircraft:</b>	CESSNA 402	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

## Analysis

Shortly after takeoff, the hydraulic pressure caution light illuminated and the nose gear failed to retract when the pilot attempted to raise the gear. The pilot accomplished the appropriate emergency procedure checklists and unsafe gear indications remained. Following an approved flyover of the tower to verify gear position, the pilot performed a precautionary landing. During the landing the right main landing gear collapsed, resulting in substantial damage. Subsequent examination of the airplane and related hydraulic system components revealed no anomalies and the landing gear system operated normally during functional testing. The reason for the landing gear's failure could not be determined.

## Flight Events

Initial climb - Sys/Comp malf/fail (non-power)  
Landing-landing roll - Landing gear collapse

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:  
The failure of the landing gear system for undetermined reasons.

## Findings

Aircraft-Aircraft systems-Landing gear system-Gear extension and retract sys-Failure - C  
Aircraft-Aircraft systems-Landing gear system-Main landing gear-Damaged/degraded

## Pilot Information

<b>Certificate:</b>	Airline Transport	<b>Age:</b>	55
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Instrument Rating(s):</b>	Airplane
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	15000 hours (Total, all aircraft), 8000 hours (Total, this make and model), 14000 hours (Pilot In Command, all aircraft), 84 hours (Last 90 days, all aircraft), 29 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N5802C
Model/Series:	402 C	Engines:	2 Reciprocating
Operator:	South Aero Inc	Engine Manufacturer:	CONTINENTAL
Air Carrier Operating Certificate:	On-demand Air Taxi (135)	Engine Model/Series:	TSIO520
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	ABQ, 5352 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:	6 knots, 10°
Temperature:	-18° C / -24° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Albuquerque, NM (ABQ)	Destination:	Las Vegas, NM (LVS)

## Airport Information

Airport:	Albuquerque Intl Sunport Arpt (ABQ)	Runway Surface Type:	Concrete
Runway Used:	03	Runway Surface Condition:	Dry
Runway Length/Width:	10000 ft / 150 ft		

## Wreckage and Impact Information

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

## Administrative Information

Investigator In Charge (IIC):	Daniel Baker	Adopted Date:	08/22/2011
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78281">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=78281</a>		

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