



National Transportation Safety Board Aviation Accident Data Summary

Location:	Santa Teresa, NM	Accident Number:	CEN09LA417
Date & Time:	07/01/2009, 0830 MDT	Registration:	N2118S
Aircraft:	CESSNA T210L	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

The pilot reported that he lowered the landing gear handle on downwind to land and heard the gear cycle down. He told investigators that he could not recall if he saw green, gear down indicator lights. While in the landing flare he heard someone call "gear, gear" on the radio, but it was too late for him to go around. The left main gear collapsed on touchdown and the airplane exited the side of the runway, substantially damaging the horizontal stabilizer and elevator. No anomalies were found with the landing gear indicator lights during the post accident inspections. Following four additional gear malfunctions, the landing gear accumulator was found to leak, allowing air into the hydraulic system. The seals from the accumulator were not retained and the reason for the failure of the seals was not determined.

Flight Events

Approach-VFR pattern downwind - Sys/Comp malf/fail (non-power)
Approach-VFR pattern downwind - Miscellaneous/other
Landing-flare/touchdown - 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 accumulator seal for undetermined reasons. Contributing to the accident was the pilot's failure to confirm the status of the landing gear.

Findings

Aircraft-Aircraft systems-Hydraulic power system-Accumulator, main-Malfunction - C
Aircraft-Aircraft systems-Landing gear system-Main landing gear-Malfunction
Aircraft-Aircraft systems-Landing gear system-Main landing gear-Failure
Personnel issues-Action/decision-Action-Forgotten action/omission-Pilot

Pilot Information

Certificate:	Private	Age:	51
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	848 hours (Total, all aircraft), 217 hours (Total, this make and model), 15 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 0 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N2118S
Model/Series:	T210L	Engines:	1 Reciprocating
Operator:	ADVANCED SECURITY CONTRACTORS INC	Engine Manufacturer:	CONT MOTOR
Air Carrier Operating Certificate:	None	Engine Model/Series:	TSIO-520 SER
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ELP, 3921 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:	10 knots, 110°
Temperature:	30°C / 12°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Cielo Dorado Es, TX (TA50)	Destination:	Santa Teresa, NM (5T6)

Airport Information

Airport:	Dona Ana County Airport (5T6)	Runway Surface Type:	Asphalt
Runway Used:	28	Runway Surface Condition:	Dry
Runway Length/Width:	8500 ft / 100 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:	None

Administrative Information

Investigator In Charge (IIC):	Daniel Baker	Adopted Date:	05/11/2010
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=74221		

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