



Aviation Investigation Final Report

Location:	Cahokia, Illinois	Accident Number:	CEN10CA358
Date & Time:	June 26, 2010, 17:15 Local	Registration:	N2785K
Aircraft:	Cessna 180K	Aircraft Damage:	Substantial
Defining Event:	Sys/Comp malf/fail (non-power)	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that he had a normal stabilized descent on his approach to land and flared about 50 feet above the runway before making a three-point touchdown. He said that during the roll the airplane tracked to the right and that he applied left rudder in response. He then heard a "bang" and the airplane moved abruptly and uncontrollably. The left wing and horizontal stabilizer sustained substantial damage when they contacted the runway. Examination of the airplane revealed that the left wheel and axle separated from its main landing gear. Two of the four bolts that attach the axle to the gear exhibited a separation consistent with fatigue.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The fatigue failure of the axle's attaching bolts during landing.

Findings

Aircraft	Main landing gear attach sec - Fatigue/wear/corrosion
Aircraft	Main landing gear attach sec - Failure

Factual Information

History of Flight

Landing	Sys/Comp malf/fail (non-power) (Defining event)
Landing	Part(s) separation from AC

Pilot Information

Certificate:	Commercial	Age:	57, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With waivers/limitations	Last FAA Medical Exam:	September 1, 2009
Occupational Pilot:	No	Last Flight Review or Equivalent:	May 14, 2009
Flight Time:	423 hours (Total, all aircraft), 363 hours (Total, this make and model), 349 hours (Pilot In Command, all aircraft), 41 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2785K
Model/Series:	180K	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	18053067
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	October 24, 2009 Annual	Certified Max Gross Wt.:	3190 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2005 Hrs at time of accident	Engine Manufacturer:	CONT MOTOR
ELT:	C91 installed, not activated	Engine Model/Series:	O-470 SERIES
Registered Owner:	TWO RIVERS RANCH SERVICE LLC	Rated Power:	230 Horsepower
Operator:	MICHAEL B MINTON	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	CPS,413 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	16:53 Local	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	200°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.81 inches Hg	Temperature/Dew Point:	34°C / 22°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fredericktown, MO (H88)	Type of Flight Plan Filed:	None
Destination:	Cahokia, IL (CPS)	Type of Clearance:	VFR
Departure Time:	16:45 Local	Type of Airspace:	

Airport Information

Airport:	St Louis Downtown Airport CPS	Runway Surface Type:	Asphalt
Airport Elevation:	413 ft msl	Runway Surface Condition:	Dry
Runway Used:	12R	IFR Approach:	None
Runway Length/Width:	6997 ft / 100 ft	VFR Approach/Landing:	Full stop

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
Total Injuries:	2 None	Latitude, Longitude:	38.570556,-90.156112(est)

Administrative Information

Investigator In Charge (IIC):	Malinowski, Edward
Additional Participating Persons:	Sydney Buff; Federal Aviation Administration; St Ann, MO
Original Publish Date:	October 21, 2010
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=76477

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