



# Aviation Investigation Final Report

<b>Location:</b>	LAS VEGAS, Nevada	<b>Accident Number:</b>	LAX83LA361
<b>Date &amp; Time:</b>	July 28, 1983, 09:37 Local	<b>Registration:</b>	N2572K
<b>Aircraft:</b>	CESSNA 180K	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	4 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT REPORTED THAT DURING TOUCHDOWN, HE HEARD A LOUD SQUEAL FROM A TIRE & FELT THE AIRCRAFT PULL TO THE LEFT. HE STATED THAT HE APPLIED RIGHT AILERON & RUDDER TO KEEP THE ACFT GOING STRAIGHT. HOWEVER, AS THE ACFT SLOWED, IT BEGAN TO VEER LEFT AGAIN. HE SAID THE LEFT TIRE THEN LITERALLY EXPLODED. THE LEFT GEAR STRUT COLLAPSED & THE PROP & LEFT WING TIP CONTACTED THE RUNWAY. THE ACFT THEN VEERED TO THE RIGHT & WENT OFF THE RWY. HOWEVER, THE AIR TRAFFIC CONTROL SPECIALISTS WORKING LOCAL & GROUND CONTROL SAID THEY OBSERVED THE ACFT LAND HARD WITH THE LEFT WING DOWN, BOUNCE ONTO ITS LEFT GEAR, COME BACK DOWN ON THE RWY & DEPART THE RWY AS THE WHEEL SEPARATED. AN EXAM REVEALED THE LEFT MAIN TIRE WAS TORN OR RIPPED ACROSS THE TREAD, SIDEWALL & BOTH BEADS. THE INNER TUBE SHOWED SIMILAR DAMAGE. NO FLAT SPOTS WERE NOTED. THE WHEEL ASSEMBLY WAS FRACTURED & BROKEN, BUT NO PRE-FRACTURE EVIDENCE OF DEFECTS WAS NOTED.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

### Findings

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

Findings

1. (C) FLARE - IMPROPER - PILOT IN COMMAND

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Occurrence #2: MAIN GEAR COLLAPSED

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

2. (F) LANDING GEAR,MAIN GEAR - OVERLOAD

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Occurrence #3: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: LANDING - ROLL

Findings

3. (F) DIRECTIONAL CONTROL - NOT POSSIBLE - PILOT IN COMMAND

4. (F) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	41, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	October 22, 1982
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	562 hours (Total, all aircraft), 92 hours (Total, this make and model), 20 hours (Last 90 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N2572K
<b>Model/Series:</b>	180K 180K	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	18052994
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	August 13, 1982 Annual	<b>Certified Max Gross Wt.:</b>	2800 lbs
<b>Time Since Last Inspection:</b>	69 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	488 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	O-470-U
<b>Registered Owner:</b>	MARK A. LOSEE	<b>Rated Power:</b>	230 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	LAS ,2174 ft msl	<b>Distance from Accident Site:</b>	16 Nautical Miles
<b>Observation Time:</b>	09:46 Local	<b>Direction from Accident Site:</b>	150°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	50 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	60°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 3°C
<b>Precipitation and Obscuration:</b>	N/A - None - Haze		
<b>Departure Point:</b>	SALT LAKE CITY , UT (U42 )	<b>Type of Flight Plan Filed:</b>	VFR
<b>Destination:</b>	(OCN )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	06:45 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	NORTH LAS VEGAS VGT	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	2207 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	7	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	5006 ft / 90 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	3 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	4 None	<b>Latitude, Longitude:</b>	

## Administrative Information

**Investigator In Charge (IIC):** Crawford, A.

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=23803>

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