



# Aviation Investigation Final Report

<b>Location:</b>	SHERIDAN, Arkansas	<b>Accident Number:</b>	FTW83LA401
<b>Date &amp; Time:</b>	August 28, 1983, 11:30 Local	<b>Registration:</b>	N6894D
<b>Aircraft:</b>	CESSNA 195	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE ACFT WAS DAMAGED IN A GROUND LOOP AFTER A HARD LANDING. AFTER A HIGH BOUNCE THE ACFT SETTLED TO THE RWY AND VEERED SHARPLY TO THE LEFT RUNNING OFF THE RWY. EXAMINATION BY AN A & P MECHANIC REVEALED A FATIGUE CRACK IN THE LEFT LANDING GEAR LEG.

## 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 - MISJUDGED - PILOT IN COMMAND
2. (C) RECOVERY FROM BOUNCED LANDING - PERFORMED - PILOT IN COMMAND
3. (C) DIRECTIONAL CONTROL - NOT POSSIBLE - PILOT IN COMMAND
4. (C) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND

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Occurrence #2: MAIN GEAR COLLAPSED  
Phase of Operation: LANDING - ROLL

Findings

5. (F) LANDING GEAR,MAIN GEAR STRUT - OVERLOAD
6. (C) LANDING GEAR,MAIN GEAR STRUT - FATIGUE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	59, 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 2 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	February 24, 1983
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	2024 hours (Total, all aircraft), 260 hours (Total, this make and model), 1450 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N6894D
<b>Model/Series:</b>	195 195	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	7837
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	5
<b>Date/Type of Last Inspection:</b>	May 2, 1983 Annual	<b>Certified Max Gross Wt.:</b>	3350 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3000 Hrs	<b>Engine Manufacturer:</b>	JACOBS
<b>ELT:</b>	Installed, activated	<b>Engine Model/Series:</b>	R755B2
<b>Registered Owner:</b>	JOHN F. WILKERSON JR	<b>Rated Power:</b>	275 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	
<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>	LIT ,257 ft msl	<b>Distance from Accident Site:</b>	28 Nautical Miles
<b>Observation Time:</b>	10:52 Local	<b>Direction from Accident Site:</b>	10°
<b>Lowest Cloud Condition:</b>	Scattered / 3500 ft AGL	<b>Visibility</b>	6 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	10 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	230°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	38°C / 19°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	SHREVEPORT , LA (DTN )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	PINE BLUFF , AR (PBF )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	00:00 Local	<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	SHERIDAN 9M8	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	232 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	1	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	3000 ft / 50 ft	<b>VFR Approach/Landing:</b>	Precautionary landing

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 Minor	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 Minor	<b>Latitude, Longitude:</b>	34.299762,-92.400756(est)

## Administrative Information

**Investigator In Charge (IIC):** Daugherty, Jean

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=21032>

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