



# Aviation Investigation Final Report

<b>Location:</b>	BOULDER, Colorado	<b>Accident Number:</b>	DEN85LA244
<b>Date &amp; Time:</b>	September 19, 1985, 17:00 Local	<b>Registration:</b>	N1222B
<b>Aircraft:</b>	CESSNA 425	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General aviation		

## Analysis

THE PLT SAID HE MADE A NORMAL LDG. DURING LDG ROLL THE LEFT BRAKE WOULD NOT RESPOND TO PEDAL APPLICATION. THE PLT ERRORED BY INCORRECTLY FEATHERING BOTH PROPS. THE A/C WENT OFF THE END OF R/W AND STRUCK A FENCE. EXAMINATION OF THE BRAKE SYSTEM REVEALED A BRAKE PUCK WAS MISSING. A MISSING PUCK WOULD CAUSE POOR BRAKING ACTION.

## Probable Cause and Findings

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

### Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION  
Phase of Operation: LANDING - ROLL

#### Findings

1. (C) LANDING GEAR,NORMAL BRAKE SYSTEM - FAILURE,PARTIAL  
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Occurrence #2: OVERRUN  
Phase of Operation: LANDING - ROLL

#### Findings

2. (F) PROPELLER FEATHERING - ATTEMPTED - PILOT IN COMMAND

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Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT

Phase of Operation: LANDING - ROLL

Findings

3. (F) OBJECT - FENCE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	59, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land; Multi-engine sea	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	May 18, 1984
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	4345 hours (Total, all aircraft), 716 hours (Total, this make and model), 4255 hours (Pilot In Command, all aircraft), 91 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N1222B
<b>Model/Series:</b>	425 425	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	425-0060
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	12
<b>Date/Type of Last Inspection:</b>	September 17, 1985 Annual	<b>Certified Max Gross Wt.:</b>	6800 lbs
<b>Time Since Last Inspection:</b>	8 Hrs	<b>Engines:</b>	2 Turbo prop
<b>Airframe Total Time:</b>	916 Hrs	<b>Engine Manufacturer:</b>	P&W
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	TT6A-112A
<b>Registered Owner:</b>	REID W. DENNIS	<b>Rated Power:</b>	450 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>	BJC	<b>Distance from Accident Site:</b>	
<b>Observation Time:</b>	16:45 Local	<b>Direction from Accident Site:</b>	
<b>Lowest Cloud Condition:</b>	Scattered / 8000 ft AGL	<b>Visibility</b>	60 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>	270°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	23°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	DENVER , CO (BJC)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	BOULDER , CO (1V5)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	16:55 Local	<b>Type of Airspace:</b>	Airport advisory area

## Airport Information

<b>Airport:</b>	BOULDER MUNICIPAL IV5	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	5288 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4100 ft / 75 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	2 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	3 None	<b>Latitude, Longitude:</b>	40.019077,-105.250663(est)

## Administrative Information

**Investigator In Charge (IIC):** Tranter, Verlin

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=16764>

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