



# Aviation Investigation Final Report

<b>Location:</b>	BEND, Oregon	<b>Accident Number:</b>	SEA84LA044
<b>Date &amp; Time:</b>	January 25, 1984, 14:20 Local	<b>Registration:</b>	N2223S
<b>Aircraft:</b>	CESSNA T210L	<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 HE DEPARTED BOULDER CITY, NV WITH 92 GAL OF FUEL ON BOARD. ABOUT 4 HRS & 10 MIN LATER, HE WAS FORCED TO LAND WHEN THE ENG LOST POWER FROM FUEL EXHAUSTION. ACCORDING TO HIM, THE FUEL GAGES HAD BEEN INDICATING NORMAL WITH AN INDICATION OF 18 GAL IN THE LEFT TANK & 12 GAL IN THE RIGHT. DURING THE LANDING AT A NEARBY STRIP, HE DELAYED EXTENDING THE LANDING GEAR TO ASSURE CLEARING A FENCE. HOWEVER, THE ACFT TOUCHED DOWN BEFORE THE GEAR WAS FULLY EXTENDED. ACCORDING TO THE OPERATING HANDBOOK, THE ACFT SHOULD HAVE CONSUMED ABOUT 66 GAL OF FUEL DURING THE FLT. A FUEL STAIN & LOOSE RIVETS WERE FOUND NEAR AN INSPECTION PLATE UNDER THE LEFT WING.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL  
Phase of Operation: CRUISE

#### Findings

1. (F) ENGINE INSTRUMENTS,FUEL QUANTITY GAGE - FALSE INDICATION
2. (C) FLUID,FUEL - EXHAUSTION

3. (C) FUEL SUPPLY - INADEQUATE

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Occurrence #2: FORCED LANDING

Phase of Operation: LANDING

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Occurrence #3: GEAR COLLAPSED

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) TERRAIN CONDITION - HIGH OBSTRUCTION(S)
5. GEAR EXTENSION - DELAYED - PILOT IN COMMAND
6. GEAR EXTENSION - NOT ATTAINED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Airline transport; Commercial	<b>Age:</b>	56, Male
<b>Airplane Rating(s):</b>	Single-engine land; Single-engine sea; Multi-engine land	<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 1 Valid Medical--w/ waivers/lim	<b>Last FAA Medical Exam:</b>	June 3, 1983
<b>Occupational Pilot:</b>	Yes	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	20000 hours (Total, all aircraft), 250 hours (Total, this make and model), 100 hours (Last 90 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N2223S
<b>Model/Series:</b>	T210L T210L	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	21061168
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	Annual	<b>Certified Max Gross Wt.:</b>	3800 lbs
<b>Time Since Last Inspection:</b>	63 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed	<b>Engine Model/Series:</b>	TSIO-520-4
<b>Registered Owner:</b>	BILLY R. MOODY	<b>Rated Power:</b>	285 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>	ROM ,3077 ft msl	<b>Distance from Accident Site:</b>	28 Nautical Miles
<b>Observation Time:</b>	12:55 Local	<b>Direction from Accident Site:</b>	305°
<b>Lowest Cloud Condition:</b>	Scattered / 3000 ft AGL	<b>Visibility</b>	47 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	15 knots / 28 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	290°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	-2°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	BOULDER CITY , NV (BLD )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	REDMOND , OR (RDM )	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	10:10 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	MILLICAN 04S	<b>Runway Surface Type:</b>	Dirt
<b>Airport Elevation:</b>	4323 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	0	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2100 ft / 50 ft	<b>VFR Approach/Landing:</b>	Forced landing

## 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>	44.260826,-121.219413(est)

## Administrative Information

**Investigator In Charge (IIC):** Carrera, Candace

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

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

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=39866>

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