



# Aviation Investigation Final Report

<b>Location:</b>	EVANSTON, Wyoming	<b>Accident Number:</b>	DEN85LA249
<b>Date &amp; Time:</b>	September 27, 1985, 00:15 Local	<b>Registration:</b>	N5322U
<b>Aircraft:</b>	CESSNA TU206G	<b>Aircraft Damage:</b>	None
<b>Defining Event:</b>		<b>Injuries:</b>	2 Serious
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT SAID THE ENG QUIT AS HE WAS TURNING FROM BASE LEG TO FINAL APCH FOR RWY 24 AT EVANSTON (WY) ARPT. THE ACFT CRASHED AS THE PLT MANEUVERED FOR AN EMERG LANDING. DISASSEMBLY AND EXAMINATION OF THE ENG DISCLOSED NO REASON ON WHY THE ENGINE FAILED. THE MIXTURE CONTROL WAS FOUND IN A LEANED POSITION AND THE FUEL CONTROL WAS FOUND AGAINST THE IDLE CUT-OFF STOP. THE ACFT HAD BEEN CRUISING AT 10,500 FT. AND WAS LANDING AT AN ARPT SITUATED AT AN ELEVATION OF 7,162 FT.

## 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: APPROACH - VFR PATTERN - BASE LEG/BASE TO FINAL

#### Findings

1. (F) LIGHT CONDITION - NIGHT
2. (C) MIXTURE - NOT USED - PILOT IN COMMAND

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

Findings

3. (F) TERRAIN CONDITION - GROUND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial; Flight instructor	<b>Age:</b>	35, Male
<b>Airplane Rating(s):</b>	Single-engine land; 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>	Airplane single-engine	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	January 29, 1985
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	1246 hours (Total, all aircraft), 36 hours (Total, this make and model), 1088 hours (Pilot In Command, all aircraft), 116 hours (Last 90 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N5322U
<b>Model/Series:</b>	TU206G TU206G	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	U20605203
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	July 19, 1985 100 hour	<b>Certified Max Gross Wt.:</b>	3500 lbs
<b>Time Since Last Inspection:</b>	84 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3048 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	TSIO-520-M
<b>Registered Owner:</b>	EVANSTON AVIATION, INC.	<b>Rated Power:</b>	310 Horsepower
<b>Operator:</b>		<b>Operating Certificate(s) Held:</b>	On-demand air taxi (135)
<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>	Night/bright
<b>Observation Facility, Elevation:</b>	RKS ,6760 ft msl	<b>Distance from Accident Site:</b>	85 Nautical Miles
<b>Observation Time:</b>	23:48 Local	<b>Direction from Accident Site:</b>	62°
<b>Lowest Cloud Condition:</b>	Unknown	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	Broken / 18000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	6 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	160°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	10°C / -8°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	SALT LAKE CITY , UT (SLC )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	VFR
<b>Departure Time:</b>	22:30 Local	<b>Type of Airspace:</b>	Class E

## Airport Information

<b>Airport:</b>	EVANSTON 000	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	7163 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	23	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	7300 ft / 100 ft	<b>VFR Approach/Landing:</b>	Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Serious	<b>Aircraft Damage:</b>	None
<b>Passenger Injuries:</b>	1 Serious	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 Serious	<b>Latitude, Longitude:</b>	41.249782,-110.960014(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Scott, Arnold
<b>Additional Participating Persons:</b>	THOVILLE SMITH; SALT LAKE CITY , UT ROBERT S BOYLE; ARVADA , CO
<b>Original Publish Date:</b>	
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.ntsb.gov/Docket?ProjectID=16768">https://data.ntsb.gov/Docket?ProjectID=16768</a>

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