



National Transportation Safety Board Aviation Accident Data Summary

Location:	HASWELL, CO	Accident Number:	DEN93LA072
Date & Time:	07/01/1993, 1030 MDT	Registration:	N704QR
Aircraft:	CESSNA 150M	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

WHILE ON A STUDENT SOLO CROSS COUNTRY TRAINING FLIGHT, THE ALTERNATOR FAILED AND THE STUDENT FAILED TO RECOGNIZE THE FAILURE. THE LORAN, WHICH HE WAS USING FOR NAVIGATION, FAILED SO HE SWITCHED TO THE VOR. THAT ALSO FAILED AND HE THEN NOTICED HIS FUEL GAUGES WERE LOW AND THOUGHT HE WAS RUNNING OUT OF FUEL. THE STUDENT PILOT ATTEMPTED TO LAND ON A RURAL ROAD AND WENT OFF THE SIDE OF THE ROAD INTO A DITCH. THE FLIGHT DEPARTED WITH FULL FUEL WHICH PROVIDES APPROXIMATELY 4 HOURS AND 30 MINUTES ENDURANCE. THE ACTUAL DURATION OF THE FLIGHT WAS 1 HOUR AND 45 MINUTES.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE OF THE STUDENT PILOT TO MAINTAIN CONTROL OF THE AIRCRAFT DURING LANDING ROLL. FACTORS WERE: ALTERNATOR FAILURE, FAILURE OF THE STUDENT PILOT TO FOLLOW PROCEDURES AND DIRECTIVES, AND FAILURE OF THE STUDENT PILOT TO PERFORM FUEL CONSUMPTION CALCULATIONS.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: CRUISE - NORMAL

Findings

1. (F) ELECTRICAL SYSTEM,ALTERNATOR - FAILURE,TOTAL
2. (F) PROCEDURES/DIRECTIVES - NOT USED - PILOT IN COMMAND

Occurrence #2: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

3. PRECAUTIONARY LANDING - ATTEMPTED - PILOT IN COMMAND
4. ENGINE INSTRUMENTS,FUEL QUANTITY GAGE - FALSE INDICATION
5. (F) FUEL CONSUMPTION CALCULATIONS - NOT PERFORMED - PILOT IN COMMAND
6. TERRAIN CONDITION - ROADWAY/HIGHWAY
7. (C) AIRCRAFT CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Pilot Information

Certificate:	Student	Age:	40
Airplane Rating(s):	None	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	41 hours (Total, all aircraft), 24 hours (Total, this make and model), 10 hours (Pilot In Command, all aircraft), 32 hours (Last 90 days, all aircraft), 13 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N704QR
Model/Series:	150M 150M	Engines:	1 Reciprocating
Operator:	CARL SCOTT AND LARRY WAGNER	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-200-A
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	/ ,
Temperature:	27° C	Visibility	5 Miles
Precipitation and Obscuration:			
Departure Point:	WATKINS, CO (FTG)	Destination:	LAMAR, CO (LHX)

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	NORMAN F WIEMEYER	Adopted Date:	11/03/1993
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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