



National Transportation Safety Board Aviation Accident Data Summary

Location:	RED LODGE, MT	Accident Number:	DEN86LA087
Date & Time:	03/01/1986, 1145 MST	Registration:	N1503E
Aircraft:	AERONCA 7AC	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PLT STATED THAT DURING THE GROUND ROLL PHASE OF LANDING AT RED LODGE, MT, HE LOST CONTROL OF THE ACFT WHICH ENTERED INTO A GROUND LOOP TO THE RIGHT. JUST PRIOR TO THE ACFT DEPARTING THE RIGHT SIDE OF THE RWY, HE APPLIED MAXIMUM BRAKING, AND THE ACFT NOSED OVER INTO A SNOW BANK.

Probable Cause

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

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER
Phase of Operation: LANDING - ROLL

Findings

1. (C) PROPER ALIGNMENT - NOT MAINTAINED - PILOT IN COMMAND
2. (C) GROUND LOOP/SWERVE - NOT CORRECTED - PILOT IN COMMAND

Occurrence #2: NOSE OVER
Phase of Operation: LANDING - ROLL

Findings

3. (C) BRAKES(EMERGENCY) - EXCESSIVE - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	26
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	350 hours (Total, all aircraft), 250 hours (Total, this make and model), 300 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 19 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AERONCA	Registration:	N1503E
Model/Series:	7AC 7AC	Engines:	1 Reciprocating
Operator:	BRAD R. VAN TINE	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	C-85-12
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BIL, 3606 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 25000 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 220°
Temperature:	15° C	Visibility	70 Miles
Precipitation and Obscuration:			
Departure Point:	COLUMBUS, MT (6S3)	Destination:	

Airport Information

Airport:	RED LODGE (47S)	Runway Surface Type:	Asphalt
Runway Used:	16	Runway Surface Condition:	Dry
Runway Length/Width:	4000 ft / 75 ft		

Wreckage and Impact Information

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

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	PRENTISS E MANGUM	Adopted Date:	06/18/1987
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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