



National Transportation Safety Board Aviation Accident Data Summary

Location:	BAY CITY, MI	Accident Number:	CHI98LA231
Date & Time:	07/01/1998, 1520 EDT	Registration:	N159MK
Aircraft:	KERR STARTDUSTER TOO	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported the airplane swerved and skidded sideways off the runway during the landing roll. The airplane traveled onto a taxiway where it contacted a 3 to 4 inch rise between the grass and the pavement. The right main landing gear collapsed then the rise was contacted. The pilot/builder reported the loss of directional control was a result of an under inflated tailwheel. He reported it should have been inflated to 38 psi due to the extra weight of having a passenger on board.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's failure to assure the tailwheel tire had adequate pressure which resulted in his inability to maintain directional control of the airplane during a landing. Factors associated with the accident were the inadequate pressure and the uneven terrain contacted by the landing gear.

Findings

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

Findings

1. (F) LANDING GEAR, TIRE - PRESSURE TOO LOW
2. (C) MAINTENANCE, PRESSURIZING - INADEQUATE - PILOT IN COMMAND
3. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: MAIN GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

4. (F) TERRAIN CONDITION - ROUGH/UNEVEN
5. LANDING GEAR, MAIN GEAR ATTACHMENT - OVERLOAD

Pilot Information

Certificate:	Private	Age:	70
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1453 hours (Total, all aircraft), 649 hours (Total, this make and model), 1235 hours (Pilot In Command, all aircraft), 15 hours (Last 90 days, all aircraft), 9 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	KERR	Registration:	N159MK
Model/Series:	STARTDUSTER TOO STARTDUSTE	Engines:	1 Reciprocating
Operator:	MATTHEW KERR	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-435
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:	MBS, 668 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	9 knots / , 360°
Temperature:	27° C	Visibility	13 Miles
Precipitation and Obscuration:			
Departure Point:	(3CM)	Destination:	(3CM)

Airport Information

Airport:	JAMES CLEMENTS (3CM)	Runway Surface Type:	Asphalt
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	3800 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): PAMELA S SULLIVAN Adopted Date: 05/19/1999

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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