



National Transportation Safety Board Aviation Accident Data Summary

Location:	Lowell, MI	Accident Number:	CEN10CA155
Date & Time:	03/02/2010, 1700 EST	Registration:	N103DG
Aircraft:	Schulke Avid Magnum	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot was returning to the departure airport after having flown for approximately two hours at various cruise altitudes. The pilot attempted a landing on runway 30 (2,394 feet by 48 feet), which was slush-covered. During the landing rollout, the airplane "swerved hard right" and into a snowbank, where it nosed over. The airplane sustained substantial damage, which included damage to the wing ribs, wing trailing edge, and rudder. A weather reporting station about 9 miles from the accident site recorded variable winds at 4 knots at the time of the accident. Examination of the airplane revealed that the brake pin lubrication had dried out and the right brake caliper would not release.

Flight Events

- Landing-landing roll - Sys/Comp malf/fail (non-power)
- Landing-landing roll - Loss of control on ground
- Landing-landing roll - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's inability to maintain directional control while landing on a slush-covered runway due to inadequate maintenance of the airplane brakes by maintenance personnel.

Findings

- Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not specified - C
- Aircraft-Aircraft systems-Landing gear system-Brake-Incorrect service/maintenance - C
- Personnel issues-Task performance-Maintenance-(general)-Maintenance personnel - C

Pilot Information

Certificate:	Private	Age:	51
Airplane Rating(s):	Single-engine Land; Single-engine Sea	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	800 hours (Total, all aircraft), 300 hours (Total, this make and model), 800 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Schulke	Registration:	N103DG
Model/Series:	Avid Magnum	Engines:	1 Reciprocating
Operator:	Pilot	Engine Manufacturer:	Lycoming
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-320-H2AD
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	GRR	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	4 knots, Variable
Temperature:	4°C / -7°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Lowell, MI (24C)	Destination:	Lowell, MI (24C)

Airport Information

Airport:	Lowell City Airport (24C)	Runway Surface Type:	Asphalt
Runway Used:	30	Runway Surface Condition:	Dry
Runway Length/Width:	2394 ft / 48 ft		

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

Administrative Information

Investigator In Charge (IIC):	Mitchell F Gallo	Adopted Date:	07/01/2010
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75486		

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