



National Transportation Safety Board Aviation Accident Data Summary

Location:	Whitmore Lake, MI	Accident Number:	CHI08CA060
Date & Time:	01/04/2008, 1545 EST	Registration:	N85393
Aircraft:	American Champion (ACAC) 7AC	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot encountered a partial loss of engine power during flight. The use of carburetor heat did not regain the lost power. The pilot performed a precautionary landing to a grass landing strip he had landed at before. The airplane nosed over in the snow upon landing. No pre-impact anomalies were detected. The local temperature and dew point was -2 degrees C and -9 degrees C respectively. The owner's recommendation was to "replace the metal tube with scat tube on carb heat side."

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The partial loss of engine power for undetermined reasons during cruise and the unsuitable terrain encountered during the precautionary landing. A factor was the snow-covered ground.

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL
Phase of Operation: CRUISE

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING
Phase of Operation: EMERGENCY DESCENT/LANDING

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: EMERGENCY DESCENT/LANDING

Findings

2. TERRAIN CONDITION - GROUND
3. (C) UNSUITABLE TERRAIN OR TAKEOFF/LANDING/TAXI AREA - ENCOUNTERED - PILOT IN COMMAND
4. (F) TERRAIN CONDITION - SNOW COVERED

Occurrence #4: NOSE OVER
Phase of Operation: EMERGENCY LANDING

Pilot Information

Certificate:	Airline Transport; Commercial	Age:	31
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	5050 hours (Total, all aircraft), 125 hours (Total, this make and model), 3000 hours (Pilot In Command, all aircraft), 200 hours (Last 90 days, all aircraft), 100 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	American Champion (ACAC)	Registration:	N85393
Model/Series:	7AC	Engines:	1 Reciprocating
Operator:	Pilot	Engine Manufacturer:	Continental
Air Carrier Operating Certificate:	None	Engine Model/Series:	A-65
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ARB, 839 ft msl	Weather Information Source:	Unknown
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	Broken / 7000 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	11 knots, 210°
Temperature:	-2° C / -9° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	PLYMOUTH, MI (1D2)	Destination:	

Airport Information

Airport:	Runway Surface Type:
Runway Used:	Runway Surface Condition:
Runway Length/Width:	

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

Administrative Information

Investigator In Charge (IIC):	Edward F Malinowski	Adopted Date:	02/28/2008
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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