



National Transportation Safety Board Aviation Accident Data Summary

Location:	Coldwater, MI	Accident Number:	CHI03LA002
Date & Time:	10/02/2002, 1912 EDT	Registration:	N633KF
Aircraft:	Tanner Kitfox	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The experimental amateur-built airplane received substantial damage during a forced landing. The instructional flight experienced a total loss of engine power during the eighth takeoff in a series of touch and go landings. The airplane was climbing through 200 feet above ground level when the engine quit and a left 90-degree turn was executed so as to land in a grassy area. An engine restart was not attempted. Examination of the wreckage confirmed flight control continuity, electrical continuity of the ignition system, engine continuity, and engine compression. Fuel was found in both engine carburetors, oil was found within the engine, and coolant was present in the coolant tank.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The low altitude at which an undetermined loss of engine power occurred following takeoff.

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings
1. (C) REASON FOR OCCURRENCE UNDETERMINED

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

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: EMERGENCY LANDING

Findings
2. TERRAIN CONDITION - GRASS

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	45
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Single-engine; Instrument Airplane
Flight Time:	4200 hours (Total, all aircraft), 120 hours (Total, this make and model), 3000 hours (Pilot In Command, all aircraft), 70 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Student Pilot Information

Certificate:	Student	Age:	
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	50 hours (Total, all aircraft), 7 hours (Total, this make and model), 0 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Tanner	Registration:	N633KF
Model/Series:	Kitfox	Engines:	1 Reciprocating
Operator:	Sport Truck LLC	Engine Manufacturer:	Rotax
Operating Certificate(s) Held:	None	Engine Model/Series:	582LC
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:	OEB, 944 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	3 knots / , 290°
Temperature:	26 °C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	Coldwater, MI (OEB)	Destination:	Unknown

Airport Information

Airport:	Branch County Airport (OEB)	Runway Surface Type:	Asphalt
Runway Used:	03	Runway Surface Condition:	Dry
Runway Length/Width:	3500 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	41.933611, -85.052778		

Administrative Information

Investigator In Charge (IIC):	Mitchell F Gallo	Adopted Date:	09/30/2003
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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