



National Transportation Safety Board Aviation Accident Data Summary

Location:	PROSPERITY, PA	Accident Number:	NYC01LA029
Date & Time:	11/02/2000, 1200 EST	Registration:	N35241
Aircraft:	Cessna 177B	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

While performing maneuvers, at an altitude of about 2,500 feet above the ground, the pilot heard a loud "pop," and the engine lost all power. The pilot made a forced landing to a field, where the airplane struck a fence, before coming to rest in briar bushes. When the airplane's dual magneto system was examined, both sets of points remained closed, regardless of the camshaft position.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The failure of the dual magneto ignition system points to open.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF
Phase of Operation: MANEUVERING

Findings

1. (C) IGNITION SYSTEM,IGNITION POINTS - OTHER

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

Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT
Phase of Operation: LANDING - ROLL

Findings

2. OBJECT - TREE(S)

Pilot Information

Certificate:	Private	Age:	39
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	844 hours (Total, all aircraft), 42 hours (Total, this make and model), 763 hours (Pilot In Command, all aircraft), 9 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N35241
Model/Series:	177B 177B	Engines:	1 Reciprocating
Operator:	ABC FLYING CLUB INC	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A1F6D
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:	AFJ, 1184 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	3 knots / , 160°
Temperature:	61 °C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	WEST MIFFLIN, PA (AGC)	Destination:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	STEPHEN M DEMKO	Adopted Date:	11/14/2001
Investigation Docket:	NTSB accident and incident docket 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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