



National Transportation Safety Board Aviation Accident Data Summary

Location:	MORICHES, NY	Accident Number:	NYC98LA037
Date & Time:	12/01/1997, 1900 EST	Registration:	N758YR
Aircraft:	Cessna A152	Injuries:	2 Serious
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The instructor preflighted the airplane and measured the fuel quantity with a calibrated stick, with 8 gallons in one tank, and 7 gallons in the other tank. After takeoff, the airplane had been cruising at 2,700 feet for about 1 hour when the instructor reported that they lost all or most engine power. The engine backfired 4 or 5 times and all attempts to restore engine power were unsuccessful. The instructor performed a forced landing to a parking lot and the airplane's left wing struck a light pole. Examination of the airplane by a Federal Aviation Administration Inspector revealed that one wing fuel tank was ripped open, but neither wing fuel tank contained fuel and there was no odor of fuel on the ground. Refueling records revealed that after the airplane had been refueled to 20 total gallons, it was flown about 8/10 hours before the accident flight. The average fuel consumption of the engine had been 6.8 gallons per hour. According to a carburetor icing probability chart, the conditions at the time of the accident were conducive for 'serious icing at cruise power.'

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
A loss of engine power for undetermined reasons.

Findings

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

Findings

1. WEATHER CONDITION - CARBURETOR ICING CONDITIONS
2. (C) REASON FOR OCCURRENCE UNDETERMINED

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

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - EMERGENCY

Findings

3. OBJECT - POLE

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	38
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	8200 hours (Total, all aircraft), 26 hours (Total, this make and model), 8000 hours (Pilot In Command, all aircraft), 110 hours (Last 90 days, all aircraft), 45 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N758YR
Model/Series:	A152 A152	Engines:	1 Reciprocating
Operator:	DAEDALUS FLIGHT SCHOOL	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	O-235-N2C
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	FOK, 67 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	15 knots / 25 knots, 330°
Temperature:	3° C	Visibility	8 Miles
Precipitation and Obscuration:			
Departure Point:	WESTHAMPTON BCH, NY (FOK)	Destination:	

Airport Information

Airport:	BROOKHAVEN (HWY)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	1 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC): ROBERT L PEARCE

Adopted Date: 02/28/2000

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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