



National Transportation Safety Board Aviation Accident Data Summary

Location:	GT. BARRINGTON, MA	Accident Number:	NYC98LA001
Date & Time:	10/01/1997, 1225 EDT	Registration:	N29134
Aircraft:	Cessna T210L	Injuries:	2 Serious
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

The Cessna 210 was in cruise when the engine lost power. The pilot descended through an overcast and made a forced landing in an open field. During a ground slide with the landing gear retracted, the airplane passed over a creek, and received substantial damage. A torque check conducted before engine disassembly revealed low torques on a nose case bolt, and some cylinder through bolts on the front and middle cylinders. Engine disassembly revealed that the crankshaft had fractured near the rear of the number 2 main bearing, located between the middle and rear cylinders. The investigation found that the bearing had shifted to the rear of the engine and made contact with the short cheek of the crankshaft. The number 4 cylinder was replaced 469 hours prior to the accident, and the numbers 1, 2, 3, 5, and 6 cylinders were replaced 367 hours prior to the accident.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: slippage of the number 2 main bearing for undetermined reason(s) which resulted in a broken crankshaft.

Findings

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

Findings

1. (C) ENGINE ASSEMBLY, BEARING - SHIFTED
2. (C) ENGINE ASSEMBLY, CRANKSHAFT - FAILURE, TOTAL

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

Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

3. (C) TERRAIN CONDITION - HIDDEN OBSTRUCTION(S)

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	67
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	7500 hours (Total, all aircraft), 3000 hours (Total, this make and model), 7500 hours (Pilot In Command, all aircraft), 60 hours (Last 90 days, all aircraft), 30 hours (Last 30 days, all aircraft), 6 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N29134
Model/Series:	T210L T210L	Engines:	1 Reciprocating
Operator:	JAMES P. SHEAHAN	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	TSIO-520-H4B
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BAF, 271 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 6000 ft agl	Wind Speed/Gusts, Direction:	10 knots / 18 knots, 320°
Temperature:	14°C	Visibility	25 Miles
Precipitation and Obscuration:			
Departure Point:	PHILADELPHIA, OH (PHD)	Destination:	NORTHAMPTON, MA (7B2)

Airport Information

Airport:	GREAT BARRINGTON (GBR)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	Dry
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 HANCOCK

Adopted Date: 11/10/1998

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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