



National Transportation Safety Board Aviation Accident Data Summary

Location:	Hillsboro, OH	Accident Number:	CEN10FA181
Date & Time:	04/01/2010, 2337 EDT	Registration:	N2190Y
Aircraft:	CESSNA 172D	Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

A witness located about 1/2 mile southeast of the accident site heard the sound of an airplane engine increasing in power followed by a crash. He estimated that this occurred within a few seconds and heard no sounds after the crash. The airplane wreckage was located the following morning at the departure airport, where the airplane had impacted the runway pavement about 100 feet from the threshold. A depression (crater) in the runway pavement was present at the impact point, and the pavement exhibited other impressions consistent with impact from the wings, propeller, and nose landing gear. The airplane was fragmented and the wings and empennage had separated from the fuselage. The main wreckage was located within 20 feet of the point of impact. The entire debris field was within approximately 75 feet of the impact point. Examination of the airframe and engine did not reveal any anomalies consistent with a preimpact failure or malfunction. The impressions in the runway pavement, the distribution of the wreckage, and the extensive damage to the airplane were consistent with a high-power, high-angle impact with the runway pavement.

Flight Events

Maneuvering - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: Impact with the runway pavement for unknown reasons.

Findings

Not determined-Not determined-(general)-(general)-Unknown/Not determined - C

Pilot Information

Certificate:	Private	Age:	46
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	350 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N2190Y
Model/Series:	172D	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	CONT MOTOR
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-300 SER
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ILN	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Night	Wind Speed/Gusts, Direction:	6 knots, 200°
Temperature:	16°C / 7°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Hillsboro, OH (HOC)	Destination:	Hillsboro, OH (HOC)

Airport Information

Airport:	Highland County Airport (HOC)	Runway Surface Type:	Asphalt
Runway Used:	23	Runway Surface Condition:	Dry
Runway Length/Width:	3520 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Timothy Sorensen	Adopted Date:	04/12/2011
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=75625		

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