



National Transportation Safety Board Aviation Accident Data Summary

Location:	Dania Beach, FL	Accident Number:	ERA10LA293
Date & Time:	06/01/2010, 1932 EDT	Registration:	N1435F
Aircraft:	CESSNA 172H	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot turned the airplane onto the final approach leg of the traffic pattern and shortly thereafter the engine experienced a total loss of power. After unsuccessfully attempting to restart the engine, the pilot elected to perform a forced landing to a field near the airport. During the forced landing, the airplane impacted the ground, collapsing the main landing gear; the wingtips contacted the ground and the nose and fuselage incurred substantial damage. A postaccident examination revealed that there was half a gallon of fuel in the right tank, and no fuel was present in the left tank. There was no evidence of additional fuel at accident site. During an engine run test, the engine started on the initial attempt and operated up to full power. The examination disclosed no evidence of a mechanical malfunction.

Flight Events

Approach-VFR pattern final - Fuel exhaustion
Approach-VFR pattern final - Loss of engine power (total)
Emergency descent - Off-field or emergency landing
Landing - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's improper fuel management, which resulted in a loss of engine power due to fuel exhaustion.

Findings

Aircraft-Fluids/misc hardware-Fluids-Fuel-Fluid management - C
Personnel issues-Task performance-Planning/preparation-Fuel planning-Pilot - C

Pilot Information

Certificate:	Private	Age:	59
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1295 hours (Total, all aircraft), 1292 hours (Total, this make and model), 1170 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N1435F
Model/Series:	172H	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	Lycoming
Air Carrier Operating Certificate:	None	Engine Model/Series:	O-360-A4M
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	FLL, 9 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	
Condition of Light:	Dusk	Wind Speed/Gusts, Direction:	12 knots, 130°
Temperature:	28° C / 23° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Williston, FL (X60)	Destination:	Dania Beach, FL (FLL)

Airport Information

Airport:	Ft. Lauderdale-Hollywood (FLL)	Runway Surface Type:	
Runway Used:	N/A	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Jose Obregon	Adopted Date:	05/11/2011
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76194		

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