



National Transportation Safety Board Aviation Accident Data Summary

Location:	BONHAM, TX	Accident Number:	FTW95LA375
Date & Time:	09/01/1995, 1500 CDT	Registration:	N5798J
Aircraft:	CESSNA 172N	Injuries:	2 Minor, 1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The flight's destination was a farm near Bonham. During a low approach over the farm field, the pilot decided to abort the landing and go to Jones Field. During the aborted landing, a partial loss of engine power occurred. As the airplane descended toward a barn and trees, the pilot banked the airplane to the left and missed the barn. The left wing struck trees and the airplane impacted the ground coming to rest inverted. During an engine test run throughout a range of power settings, no mechanical discrepancies were found. The pilot reported a 102 degree (F) temperature, an altimeter setting of 30.00, and a site elevation of 600 feet. Utilizing this data, the calculated density altitude exceeded 3,000 feet.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PARTIAL LOSS OF ENGINE POWER FOR UNDETERMINED REASONS. FACTORS WERE THE HIGH DENSITY ALTITUDE AND LACK OF SUITABLE TERRAIN FOR THE FORCED LANDING.

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL
Phase of Operation: GO-AROUND (VFR)

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

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

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

Findings

2. (F) WEATHER CONDITION - HIGH DENSITY ALTITUDE
3. (F) TERRAIN CONDITION - NONE SUITABLE
4. OBJECT - BUILDING(NONRESIDENTIAL)
5. OBJECT - TREE(S)

Pilot Information

Certificate:	Private	Age:	28
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	108 hours (Total, all aircraft), 21 hours (Total, this make and model), 87 hours (Pilot In Command, all aircraft), 15 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N5798J
Model/Series:	172N 172N	Engines:	1 Reciprocating
Operator:	CENTERLINE AVIATION, INC.	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:	None	Engine Model/Series:	O-360-A4M
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:	, 0 ft msl	Weather Information Source:	Witness
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	39° C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	ADDISON, TX (ADS)	Destination:	, TX (NONE)

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	JOYCE M SMITH	Adopted Date:	03/21/1996
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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