



National Transportation Safety Board Aviation Accident Data Summary

Location:	WAXAHACHIE, TX	Accident Number:	FTW97LA098
Date & Time:	02/01/1997, 1700 CST	Registration:	N5598T
Aircraft:	Cessna 172E	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The flight instructor and his student were practicing touch and go landings. During climb out from the second touch and go, the instructor pilot informed the student that he 'had a simulated engine failure', and then reduced the throttle. After the student turned toward a field, the instructor increased the throttle, but the aircraft 'developed an excessive sink.' After the instructor maneuvered to avoid trees the aircraft impacted the ground. The instructor pilot reported that he did not have 'very much time' to set up for the forced landing due to the low altitude and close proximity to trees. He added that two pilots who flew the aircraft in the past told him that they had experienced 'similar' intermittent power loss problems with the aircraft. After these events, mechanical examinations of the engine by the airframe and powerplant certificated instructor pilot did not reveal any defects. During an examination of the engine, throttle and mixture linkages were intact and revealed no defects. After cleaning mud deposits from the carburetor body (impact related), the engine was operated successfully while still mounted in the airframe. The reported power loss could not be duplicated.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of engine power for undetermined reasons. A factors was the lack of suitable terrain for the forced landing.

Findings

Occurrence #1: LOSS OF ENGINE POWER
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

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

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

Findings

2. (F) TERRAIN CONDITION - NONE SUITABLE

Pilot Information

Certificate:	Commercial; Private	Age:	49
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	Helicopter	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine
Flight Time:	5000 hours (Total, all aircraft), 1500 hours (Total, this make and model), 10 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5598T
Model/Series:	172E 172E	Engines:	1 Reciprocating
Operator:	GARY D. JENKINS	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300-D
Flight Conducted Under:	Part 91: General Aviation - Instructional		

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:	12 knots / , 190°
Temperature:	27° C	Visibility	15 Miles
Precipitation and Obscuration:			
Departure Point:	(F25)	Destination:	GRAND PRARIE, TX (GPM)

Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	ALEXANDER LEMISHKO	Adopted Date:	08/25/1997
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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