



National Transportation Safety Board Aviation Accident Data Summary

Location:	SAN ANTONIO, TX	Accident Number:	FTW84FA218
Date & Time:	05/02/1984, 1930 CDT	Registration:	N82DS
Aircraft:	de Havilland TIGER MOTH DH 82A	Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE ACFT CRASHED IN AN OPEN PASTURE WITH TREES ON THE WESTERN PERIMETER. THE ACFT ATTITUDE AT IMPACT WAS NOSE DOWN AT A 30 TO 50 DEGREE ANGLE IN A RIGHT SPIRAL. THE MAIN FUEL TANK MOUNTED ON THE TOP WING OVER AND BEHIND THE ENGINE BROKE FROM ITS MOUNT ON IMPACT AND RUPTURED. A FIRE BROKE OUT AND CONSUMED THE ACFT. A 11 YR OLD BOY SAID HE SAW THE ACFT CLIMB OVER SOME TREES, MAKE A LEFT TURN AND THEN HE HEARD THE ENGINE QUIT RUNNING. THE ACFT NOSED OVER SHARPLY AND DESCENDED BELOW THE TREES. THE WITNESS THEN SAW THE FIRE BALL. PLTS WHO HAD FLOWN THE ACFT SAY IT STALLS WITHOUT WARNING IF POWER IS RETARDED AND THE SPEED IS DISSIPATED AND THAT THE ACFT ALWAYS FELL OFF ON THE RIGHT WING DURING THE STALL.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

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

Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

2. (C) STALL - NOT CORRECTED - PILOT IN COMMAND
3. (C) ALTITUDE - INADEQUATE - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Pilot Information

Certificate:	Commercial	Age:	54
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1600 hours (Total, all aircraft), 25 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	de Havilland	Registration:	N82DS
Model/Series:	TIGER MOTH DH 82A TIGER MOTH	Engines:	1 Reciprocating
Operator:	CONFEDERATE AIR FORCE, INC.	Engine Manufacturer:	de Havilland
Operating Certificate(s) Held:	None	Engine Model/Series:	1C
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:	SSF, 567 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	3 knots / , 160°
Temperature:	31 °C	Visibility	12 Miles
Precipitation and Obscuration:			
Departure Point:	SAN ANTONIO, TX	Destination:	

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Latitude, Longitude:			

Administrative Information

Investigator In Charge (IIC):	WARREN V WANDEL	Adopted Date:	
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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