



National Transportation Safety Board Aviation Accident Data Summary

Location:	Peachtree City, GA	Accident Number:	ATL06LA115
Date & Time:	08/03/2006, 0755 EDT	Registration:	N93TR
Aircraft:	McWhorter Skystar Vixen	Injuries:	1 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

A witness observed the airplane to level out about 200 feet above the runway on initial takeoff climb. The witness heard a change in engine noise and observed the airplane start a descent and shallow left turn. The airplane started a second left turn with an angle of bank exceeding 45-degrees and the witness described the airspeed of the airplane as slow. The nose of the airplane was observed to pitch up, the left wing dropped down, the airplane entered a left spiral descended out of view and collided with the ground. Examination of the left wing revealed the left wing was pushed aft and the left wing tip was bent upward. The leading edge of the left wing had compression damage from the wing tip extending inboard about four feet. The right wing was accelerated forward. According to the co-owner of the airplane the stall speed of the airplane is 52 mph. The engine was removed, examined, and placed in a test cell for an engine run. The engine was started, ran and developed power with stepped increases in engine rpm. The throttle was returned to the idle position for cool down, and the engine was shut down.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain airspeed while maneuvering to reverse his direction following loss of engine power shortly after takeoff resulting in an inadvertent stall and collision with the ground. A factor in the accident was a loss of engine power for undetermined reasons.

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - NONMECHANICAL
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: MANEUVERING - TURN TO REVERSE DIRECTION

Findings

2. (C) AIRSPEED - NOT MAINTAINED - PILOT IN COMMAND
3. STALL - INADVERTENT - PILOT IN COMMAND

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

Findings

4. TERRAIN CONDITION - GROUND

Pilot Information

Certificate:	Flight Instructor; Private	Age:	55
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1800 hours (Total, all aircraft), 400 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	McWhorter	Registration:	N93TR
Model/Series:	Skystar Vixen	Engines:	1 Reciprocating
Operator:	Leo A. Giles Jr.	Engine Manufacturer:	
Air Carrier Operating Certificate:	None	Engine Model/Series:	
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KFFC, 808 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	Calm
Temperature:	26° C / 23° C	Visibility	3 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Peachtree City, GA (KFFC)	Destination:	(KFFC)

Airport Information

Airport:	Peachtree City-Falcon Field (KFFC)	Runway Surface Type:	Asphalt
Runway Used:	31	Runway Surface Condition:	Dry
Runway Length/Width:	5219 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): Carrol A Smith

Adopted Date: 01/31/2007

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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