



National Transportation Safety Board

Aviation Accident Data Summary

Location:	Elberta, AL	Accident Number:	ATL04LA105
Date & Time:	05/01/2004, 1730 CDT	Registration:	N5099D
Aircraft:	Cessna 182A	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

According to the pilot, after the four parachute jumpers exited the airplane, and as he maneuvered the airplane for a landing, the engine lost power. Initial efforts by the pilot to restore full power were unsuccessful, however as the pilot continued, the engine regained partial power. The pilot entered a straight approach for runway 18, While on short final to land on runway 18, the pilot thought he was too high and to fast to land and he initiated a go around. During the go around, the airplane lost engine power. The pilot elected to land on another part of the same field. The aircraft touched down approximately 840 feet west of the approach end of runway 36 on a heading of 270 degrees, heading towards a paved road, power lines and a tree line. The pilot stated that after touchdown, the airplane engine began to develop power. The pilot decided to abort the landing to avoid hitting the road and the trees. During the aborted landing, the airplane flew under the power lines, crossed the paved road but, the right main gear collided with the ground and the airplane nosed over approximately 220 feet west of Baldwin County Road in a wheat field. The pilot stated that he had "insufficient speed to continue take-off." Prior to the flight, the pilot reported that he refueled the airplane to a total of 25 gallons of fuel. Examination of airplane revealed the wings were bent at the outboard leading edge, damage to the right spar and main wheel strut, the propeller was bent rearward at both tips with curved signatures, the firewall was bent near bottom and the right gear was detached. Examination of the flight control system revealed no mechanical malfunctions. An engine test run was also performed. After removing the main fuel line from the firewall, a piece of foreign material was found. The main fuel line was shook and the foreign material escaped out the end of the line allowing fuel to flow freely. The foreign material was searched for in the belly of the airplane but was not found. The main fuel line was reassembled to the firewall and fuel selector valve and fuel to the engine was verified. The engine ran normal to 1800 rpm and a magneto check was performed with a 100 rpm drop noted.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The loss of engine power due to a foreign substance blockage of the fuel line which resulted in fuel starvation, and the pilot's failure to maintain terrain clearance during an aborted landing.

Findings

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

Findings

1. FLUID,FUEL - FLOW RESTRICTED
2. (C) FUEL SYSTEM,LINE - BLOCKED(PARTIAL)

3. FUEL SYSTEM,LINE - FOREIGN MATERIAL/SUBSTANCE

4. (C) FLUID,FUEL - STARVATION

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: LANDING - ABORTED

Findings

5. (F) TERRAIN CONDITION - GROUND

6. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND

7. MANEUVER TO AVOID OBSTRUCTIONS - ATTEMPTED - PILOT IN COMMAND

Occurrence #3: NOSE OVER

Phase of Operation: LANDING - ABORTED

Pilot Information

Certificate:	Commercial	Age:	50
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1020 hours (Total, all aircraft), 574 hours (Total, this make and model), 13 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N5099D
Model/Series:	182A	Engines:	1 Reciprocating
Operator:	Emerald Coast Sky Diving Center	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	O-470-L
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:	NPA, 30 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 18000 ft agl	Wind Speed/Gusts, Direction:	12 knots / , 140°
Temperature:	24° C	Visibility	6 Miles
Precipitation and Obscuration:			
Departure Point:	Elberta, AL (7AL9)	Destination:	Elberta, AL (7AL9)

Airport Information

Airport:	Horak (7AL9)	Runway Surface Type:	Grass/turf
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	2500 ft / 100 ft		

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Latitude, Longitude:	30.468611, -87.541389		

Administrative Information

Investigator In Charge (IIC):	Phillip Powell	Adopted Date:	07/07/2005
Investigation Docket:	NTSB accident and incident docket 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 pubin@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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