



National Transportation Safety Board Aviation Accident Data Summary

Location:	Tillar, AR	Accident Number:	CEN13LA402
Date & Time:	07/03/2013, 1450 CDT	Registration:	N5182C
Aircraft:	AIR TRACTOR INC AT-502B	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

During takeoff, the airplane sustained a partial loss of engine power and overran the runway after the pilot lost cockpit throttle control. Postaccident examination of the airplane revealed a throttle control pin lying on the cockpit floor. A cotter pin for the throttle control pin was missing; the length of time it had been missing could not be determined.

Flight Events

Takeoff - Part(s) separation from AC
Takeoff - Loss of engine power (partial)
Initial climb - Loss of control in flight
Uncontrolled descent - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The loss of engine throttle control during takeoff due to an unsecured cockpit throttle control pin, which resulted in a runway overrun.

Findings

Aircraft-Aircraft power plant-Engine controls-Power lever-Failure - C
Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Powerplant parameters-Attain/maintain not possible - C

Pilot Information

Certificate:	Commercial	Age:	36
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	11000 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AIR TRACTOR INC	Registration:	N5182C
Model/Series:	AT-502B	Engines:	1 Turbo Prop
Operator:	Confederate Air Inc	Engine Manufacturer:	Pratt & Whitney
Air Carrier Operating Certificate:	Agricultural Aircraft (137)	Engine Model/Series:	PT6A
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	LLQ, 268 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:	6 knots, 40°
Temperature:	29° C / 14° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Tillar, AR (PVT)	Destination:	Tillar, AR (PVT)

Airport Information

Airport:	Tillar Airport (5AR1)	Runway Surface Type:	Asphalt; Grass/turf
Runway Used:	36	Runway Surface Condition:	Dry
Runway Length/Width:	3200 ft / 85 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Mitchell F Gallo	Adopted Date:	03/13/2014
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87429		

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