



# National Transportation Safety Board Aviation Accident Data Summary

<b>Location:</b>	Ipswich, SD	<b>Accident Number:</b>	CEN13LA391
<b>Date &amp; Time:</b>	07/02/2013, 1530 CDT	<b>Registration:</b>	N2072D
<b>Aircraft:</b>	AIR TRACTOR AT-402B	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

At the beginning of an aerial application run, the pilot rotated the airplane near the end of the runway; the airplane lifted up from the ground, yawed, and then shuddered. The airplane descended, the left wing contacted the ground, and the airplane slid to a stop. The circumstances of the accident are consistent with an aerodynamic stall during takeoff because the pilot failed to obtain adequate speed to climb the airplane.

## Flight Events

Takeoff - Aerodynamic stall/spin

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to obtain adequate airspeed during the takeoff roll, which resulted in an aerodynamic stall.

## Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Airspeed-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

## Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	54
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Instrument Rating(s):</b>	None
<b>Other Aircraft Rating(s):</b>	None	<b>Instructor Rating(s):</b>	None
<b>Flight Time:</b>	16353 hours (Total, all aircraft), 828 hours (Total, this make and model), 206 hours (Last 90 days, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Manufacturer:</b>	AIR TRACTOR	<b>Registration:</b>	N2072D
<b>Model/Series:</b>	AT-402B	<b>Engines:</b>	1 Turbo Prop
<b>Operator:</b>	TRI COUNTY AG SERVICE INC	<b>Engine Manufacturer:</b>	P&W Canada
<b>Air Carrier Operating Certificate:</b>	Agricultural Aircraft (137)	<b>Engine Model/Series:</b>	PT6A-34AG
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Meteorological Information and Flight Plan

Observation Facility, Elevation:	KABR, 1302 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:	29° C / 8° C	Visibility	8 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Ipswich, SD (2SD9)	Destination:	Ipswich, SD (2SD9)

## Airport Information

Airport:	TC FIELD (2SD9)	Runway Surface Type:	Asphalt
Runway Used:	36	Runway Surface Condition:	
Runway Length/Width:	2500 ft / 28 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):	Jason T Aguilera	Adopted Date:	03/13/2014
Investigation Docket:	<a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87382">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=87382</a>		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report.