



National Transportation Safety Board Aviation Accident Data Summary

Location:	Bruington, VA	Accident Number:	GAA18CA369
Date & Time:	06/20/2018, 1230 EDT	Registration:	N8090X
Aircraft:	CESSNA 172	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot reported that, after taking off from an unimproved gravel surface in a field, he did not feel comfortable with the airplane's performance, so he chose to abort the takeoff. The airplane touched down on soft dirt, and the nose landing gear then dug into the dirt and separated from the airplane. The airplane then nosed over and came to rest inverted.

The airplane sustained substantial damage to the right wing and empennage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

Flight Events

Takeoff-rejected takeoff - Miscellaneous/other
Landing - Part(s) separation from AC
Landing - Nose over/nose down

Probable Cause

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

The pilot's improper decision to abort the takeoff with insufficient runway remaining to safely stop the airplane.

Findings

Aircraft-Aircraft oper/perf/capability-Aircraft capability-(general)-Capability exceeded - C
Personnel issues-Action/decision-Info processing/decision-Decision making/judgment-Pilot - C
Environmental issues-Physical environment-Runway/land/takeoff/taxi surface-(general)-Decision related to condition - C
Environmental issues-Physical environment-Runway/land/takeoff/taxi surface-Soft surface-Effect on operation

Pilot Information

Certificate:	Airline Transport; Commercial; Flight Engineer; Military	Age:	52
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	(Estimated) 10235 hours (Total, all aircraft), 350 hours (Total, this make and model), 2780 hours (Pilot In Command, all aircraft), 331 hours (Last 90 days, all aircraft), 89 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N8090X
Model/Series:	172 B	Engines:	1 Reciprocating
Operator:	On file	Engine Manufacturer:	CONT MOTOR
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300 SER
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:	KXSA, 135 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Broken / 3200 ft agl	Wind Speed/Gusts, Direction:	Calm / ,
Temperature:	30°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Bruington, VA	Destination:	Tappahannock, VA (XSA)

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
Latitude, Longitude:	37.821667, -76.969167 (est)		

Administrative Information

Investigator In Charge (IIC):	Eric A Swenson	Adopted Date:	03/18/2019
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=97548		

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agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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