



Aviation Investigation Final Report

Location:	Spotted Horse, Wyoming	Accident Number:	WPR20CA154
Date & Time:	May 25, 2020, 11:40 Local	Registration:	N771CT
Aircraft:	Champion 7GCBC	Aircraft Damage:	Substantial
Defining Event:	Nose over/nose down	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the tailwheel-equipped airplane reported that, during the takeoff roll, on a moderately downhill sloped field, with what he believed was a calm wind, he noticed that the airspeed was not increasing as anticipated. The pilot chose to abort the takeoff and reduced power and applied full braking application. After the airplane slowed considerably, and losing elevator authority, the tail of the airplane lifted. The pilot was unable to release the brakes in time to avoid the airplane from nosing over and coming to rest inverted. After exiting the airplane, the pilot reported that he noticed that the takeoff was with a tailwind of about 10 to 15 knots and shifting directions.

Both wings and the rudder were substantially damaged.

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

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's loss of directional control during an aborted takeoff with a tailwind, which resulted in a noseover.

Findings

Personnel issues	Aircraft control - Pilot
Environmental issues	Tailwind - Effect on equipment
Aircraft	(general) - Not attained/maintained

Factual Information

History of Flight

Takeoff-rejected takeoff	Nose over/nose down (Defining event)
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Pilot Information

Certificate:	Commercial	Age:	35, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	5-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	March 19, 2020
Occupational Pilot:	No	Last Flight Review or Equivalent:	January 23, 2020
Flight Time:	369 hours (Total, all aircraft), 81 hours (Total, this make and model), 281 hours (Pilot In Command, all aircraft), 12 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Passenger Information

Certificate:		Age:	Male
Airplane Rating(s):		Seat Occupied:	Rear
Other Aircraft Rating(s):		Restraint Used:	5-point
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	No
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Champion	Registration:	N771CT
Model/Series:	7GCBC No Series	Aircraft Category:	Airplane
Year of Manufacture:	2006	Amateur Built:	
Airworthiness Certificate:	Aerobatic; Normal	Serial Number:	1407-2006
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	September 10, 2019 Annual	Certified Max Gross Wt.:	1950 lbs
Time Since Last Inspection:	718 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	as of last inspection	Engine Manufacturer:	Lycoming
ELT:	C91 installed, not activated	Engine Model/Series:	O-360-A3A2
Registered Owner:	On file	Rated Power:	180 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KGCC,4354 ft msl	Distance from Accident Site:	30 Nautical Miles
Observation Time:		Direction from Accident Site:	144°
Lowest Cloud Condition:	Scattered	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	None / None
Wind Direction:		Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:		Temperature/Dew Point:	18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Spotted Horse, WY	Type of Flight Plan Filed:	None
Destination:	Buffalo, WY (BYG)	Type of Clearance:	None
Departure Time:	10:40 Local	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	44.740001,-105.949996(est)

Administrative Information

Investigator In Charge (IIC): Swick, Andrew

Additional Participating Persons:

Original Publish Date: February 2, 2021

Last Revision Date:

Investigation Class: [Class 4](#)

Note: This accident report documents the factual circumstances of this accident as described to the NTSB.

Investigation Docket: <https://data.nts.gov/Docket?ProjectID=101329>

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