



Aviation Investigation Final Report

Location:	Hyannis, Nebraska	Accident Number:	CEN23LA090
Date & Time:	January 20, 2023 18:30 Local	Registration:	N717DJ
Aircraft:	American Champion Aircraft 8Kcab	Aircraft Damage:	Substantial
Defining Event:	Collision during takeoff/land	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

During the landing roll of a night landing, the airplane contacted a 12-inch high snowbank on the right side of the runway and nosed over, which resulted in substantial damage to the vertical stabilizerrudder. The pilot ~~the pilot~~ reported that there was about 15 ft of unplowed snow on the right side of the runway and about 6ft of unplowed snow on the left side of the 50 ft wide runway. The pilot reported that there were no preaccident mechanical malfunctions or anomalies 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 failure to maintain clearance from a snowbank during landing, which resulted in a nose-over.

Findings

Environmental issues (A1)	Snow/slush/ice covered surface - Contributed to outcome
Personnel issues (A1)	Monitoring environment - Pilot
Aircraft (A1)	(general) - Not attained/maintained

Factual Information

History of Flight

Landing-landing roll	Nose over/nose down
Landing-landing roll	Collision during takeoff/land (Defining event)

Occupant Information

Certificate:	Airline transport, Flight instructor, Flight engineer	Age:	64, Male
Airplane Rating(s):	Multi-engine land, Single-engine land, Single-engine sea	Seat Occupied:	Front
Other Aircraft Rating(s):	Glider, Helicopter	Restraint Used:	5-point
Instrument Rating(s):	Airplane	Second Pilot Present:	[SAFTISecondPilotPresent]
Instructor Rating(s):	Airplane single-engine, Glider	Toxicology Performed:	[SAFTIToxicologyPerformed]
Medical Certification:	BasicMed Without waivers/limitations	Last FAA Medical Exam:	September 14, 2022
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	October 12, 2022
Flight Time:	20000 hours (Total, all aircraft), 500 hours (Total, this make and model), 15000 hours (Pilot In Command, all aircraft), 40 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AMERICAN CHAMPION AIRCRAFT	Registration:	N717DJ
Model/Series:	8KCAB	Aircraft Category:	Airplane
Year of Manufacture:	2012	Amateur Built:	[SAFTIAmateurBuilt]
Airworthiness Certificate:	Aerobatic; Normal	Serial Number:	1121-2012
Landing Gear Type:	Tailwheel;	Seats:	2
Date/Type of Last Inspection:	January 19, 2023 Annual	Certified Max Gross Wt.:	1950 lbs
Time Since Last Inspection:	[SAFTITimeSinceLastInspectionHrs]	Engines:	1 Reciprocating
Airframe Total Time:	1336 Hrs	Engine Manufacturer:	Lycoming
ELT:	Installed	Engine Model/Series:	AEIO-360
Registered Owner:	Flying W Ranch	Rated Power:	180 Horsepower
Operator:	Flying W Ranch	Operating Certificate(s) Held:	None
Operator Does Business As:	[SAFTIOperatorDoesBusinessAs]	Operator Designator Code:	[SAFTIOperatorDesignatorCode]

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Night
Observation Facility, Elevation:	KAIA, 3925 ft msl	Distance from Accident Site:	46 Nautical Miles
Observation Time:	17:53:00 Local	Direction from Accident Site:	274°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	[SAFTIVisualRangeFT]
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	270°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.11 inches Hg	Temperature/Dew Point:	-7°C / -9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Wamego, KS (69K)	Type of Flight Plan Filed:	None
Destination:	Hyannis, NE	Type of Clearance:	None
Departure Time:	14:30 Local	Type of Airspace:	Class G

Airport Information

Airport:	Grant County 1V2	Runway Surface Type:	Asphalt; Snow
Airport Elevation:	3737 ft msl	Runway Surface Condition:	Snow
Runway Used:	17	IFR Approach:	None
Runway Length/Width:	3970 ft / 50 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	[SAFTIInjuryPassengerTotal]	Aircraft Fire:	None
Ground Injuries:	[SAFTIInjuryGroundTotal]	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	42.009369°, -101.77009° estimated

Administrative Information

Investigator In Charge (IIC):	Finne, Andrew		
Additional Participating Persons:	Weiss, Nicholas; FAA - FSDO; Lincoln, NE		
Original Publish Date:	March 2, 2023	Investigation Class:	4
Note:	The NTSB did not travel to the scene of this accident.		
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=106622		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government 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.

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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available.