



Aviation Investigation Final Report

Location:	Charleston, West Virginia	Accident Number:	CEN23LA343
Date & Time:	July 28, 2023, 11:30 Local	Registration:	N28ZV
Aircraft:	Cub Crafters CCX-1865	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that during the landing roll the airplane veered left, and he was unable to correct before the airplane impacted a tree, which resulted in substantial damage to the right wing. The pilot reported that there were no preaccident mechanical malfunctions or failures with the airplane 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 direction control during the landing roll.

Findings

Personnel issues	Aircraft control - Pilot
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Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
Landing-landing roll	Runway excursion
Landing-landing roll	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Commercial; Flight instructor	Age:	69, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	June 1, 2023
Occupational Pilot:	No	Last Flight Review or Equivalent:	December 12, 2021
Flight Time:	14240 hours (Total, all aircraft), 0 hours (Total, this make and model), 13900 hours (Pilot In Command, all aircraft), 44 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cub Crafters	Registration:	N28ZV
Model/Series:	CCX-1865	Aircraft Category:	Airplane
Year of Manufacture:	2015	Amateur Built:	Yes
Airworthiness Certificate:	Experimental light sport (Special)	Serial Number:	CCX-1865-0008
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	July 19, 2023 Annual	Certified Max Gross Wt.:	1865 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	357.39 Hrs as of last inspection	Engine Manufacturer:	Lycoming
ELT:	Not installed	Engine Model/Series:	CC-340
Registered Owner:	TRIPLE BEE TRANSPORT LLC	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:	KCRW, 912 ft msl	Distance from Accident Site:	8 Nautical Miles
Observation Time:	11:54 Local	Direction from Accident Site:	69°
Lowest Cloud Condition:	Few / 3200 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 25000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.12 inches Hg	Temperature/Dew Point:	31°C / 24°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Charleston, WV (KCRW)	Type of Flight Plan Filed:	None
Destination:	Charleston, WV	Type of Clearance:	VFR
Departure Time:	11:15 Local	Type of Airspace:	Class G

Airport Information

Airport:	Mallory WV12	Runway Surface Type:	Asphalt
Airport Elevation:	880 ft msl	Runway Surface Condition:	Dry
Runway Used:	33	IFR Approach:	None
Runway Length/Width:	1850 ft / 23 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:		Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	38.335198,-81.740077(est)

Administrative Information

Investigator In Charge (IIC):	Finne, Andrew
Additional Participating Persons:	Wilson, David; FAA-FSDO; Cincinnati, OH
Original Publish Date:	September 28, 2023
Last Revision Date:	
Investigation Class:	Class 4
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	https://data.ntsb.gov/Docket?ProjectID=192780

The National Transportation Safety Board (NTSB) is an independent federal agency charged by Congress with investigating every civil aviation accident in the United States and significant events in other modes of transportation—railroad, transit, highway, marine, pipeline, and commercial space. We determine the probable causes of the accidents and events we investigate, and issue safety recommendations aimed at preventing future occurrences. In addition, we conduct transportation safety research studies and offer information and other assistance to family members and survivors for each accident or event we investigate. We also serve as the appellate authority for enforcement actions involving aviation and mariner certificates issued by the Federal Aviation Administration (FAA) and US Coast Guard, and we adjudicate appeals of civil penalty actions taken by the FAA.

The NTSB does not assign fault or blame for an accident or incident; rather, as specified by NTSB regulation, “accident/incident investigations are fact-finding proceedings with no formal issues and no adverse parties ... and are not conducted for the purpose of determining the rights or liabilities of any person” (Title 49 *Code of Federal Regulations* section 831.4). Assignment of fault or legal liability is not relevant to the NTSB’s statutory mission to improve transportation safety by investigating accidents and incidents and issuing safety recommendations. In addition, statutory language prohibits the admission into evidence or use of any part of an NTSB report related to an accident in a civil action for damages resulting from a matter mentioned in the report (Title 49 *United States Code* section 1154(b)). A factual report that may be admissible under 49 *United States Code* section 1154(b) is available [here](#).