



Aviation Investigation Final Report

Location:	Carter, Wyoming	Accident Number:	ANC24LA070
Date & Time:	July 27, 2024, 17:00 Local	Registration:	N854
Aircraft:	ROBERTS JEFF SUPER RV8	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot stated that during takeoff he encountered a crosswind that shifted to a tailwind. The airplane veered left and exited the side of the runway. Both wings sustained substantial damage. The pilot reported 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 pilots encounter with a shifting winds during takeoff, which resulted in a loss of control and runway excursion.

Findings

Personnel issues	Aircraft control - Pilot
Aircraft	Directional control - Not attained/maintained
Environmental issues	Tailwind - Effect on operation

Factual Information

History of Flight

Takeoff	Other weather encounter
Takeoff	Loss of control on ground (Defining event)
Takeoff	Runway excursion

Pilot Information

Certificate:	Airline transport; 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:	5-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	Airplane single-engine; Instrument airplane	Toxicology Performed:	
Medical Certification:	Class 1 With waivers/limitations	Last FAA Medical Exam:	June 14, 2024
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 12, 2024
Flight Time:	20898 hours (Total, all aircraft), 1206 hours (Total, this make and model), 16132 hours (Pilot In Command, all aircraft), 65 hours (Last 90 days, all aircraft), 23 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Passenger Information

Certificate:	Age:	Female
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:	
Medical Certification:	Last FAA Medical Exam:	
Occupational Pilot:	Last Flight Review or Equivalent:	
Flight Time:		

Aircraft and Owner/Operator Information

Aircraft Make:	ROBERTS JEFF	Registration:	N854
Model/Series:	SUPER RV8	Aircraft Category:	Airplane
Year of Manufacture:	2002	Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	81273
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	July 13, 2023 Condition	Certified Max Gross Wt.:	1969 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1650.3 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	C126 installed, not activated	Engine Model/Series:	IO-540-EXP
Registered Owner:	On file	Rated Power:	365 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:	FBR,7039 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	17:15 Local	Direction from Accident Site:	247°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots / None	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	110°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.08 inches Hg	Temperature/Dew Point:	23°C / 6°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fort Bridger, WY (KFBR)	Type of Flight Plan Filed:	None
Destination:	Ely, NV (KELY)	Type of Clearance:	None
Departure Time:	17:20 Local	Type of Airspace:	Class G

Airport Information

Airport:	FORT BRIDGER FBR	Runway Surface Type:	Asphalt
Airport Elevation:	7038 ft msl	Runway Surface Condition:	Dry
Runway Used:	04/22	IFR Approach:	None
Runway Length/Width:	6404 ft / 75 ft	VFR Approach/Landing:	None

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:	41.395139,-110.39923

Administrative Information

Investigator In Charge (IIC):	Hill, Millicent
Additional Participating Persons:	Mark Schmidt; FAA/FSDO; Denver, CO
Original Publish Date:	April 8, 2025
Last Revision Date:	
Investigation Class:	Class 4
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=194795

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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](#).