



# Aviation Investigation Final Report

<b>Location:</b>	North Las Vegas, Nevada	<b>Accident Number:</b>	WPR23LA179
<b>Date &amp; Time:</b>	May 5, 2023, 09:45 Local	<b>Registration:</b>	N83SE
<b>Aircraft:</b>	ELY JOHN M VANS ACFT RV-8	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control on ground	<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

The pilot of the tailwheel-equipped airplane reported that, during the landing rollout, he encountered a gusting right crosswind that lifted the right wing. As the airplane weathervaned to the right, the pilot applied left rudder input, but was unable to maintain directional control. The airplane veered off the runway to the right and subsequently ground looped, resulting in substantial damage to the left 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 directional control during landing in gusting wind conditions, which resulted in a ground loop.

## Findings

<b>Personnel issues</b>	Aircraft control - Pilot
<b>Aircraft</b>	Directional control - Not attained/maintained
<b>Environmental issues</b>	Gusts - Response/compensation

## Factual Information

### History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
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### Pilot Information

Certificate:	Commercial	Age:	57,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:	
Medical Certification:	Class 2 With waivers/limitations	Last FAA Medical Exam:	February 21, 2023
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	February 21, 2023
Flight Time:	520 hours (Total, all aircraft), 132 hours (Total, this make and model), 440 hours (Pilot In Command, all aircraft), 24 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

### Passenger Information

Certificate:		Age:	
Airplane Rating(s):		Seat Occupied:	Center
Other Aircraft Rating(s):		Restraint Used:	4-point
Instrument Rating(s):		Second Pilot Present:	No
Instructor Rating(s):		Toxicology Performed:	
Medical Certification:		Last FAA Medical Exam:	
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:			

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	ELY JOHN M	<b>Registration:</b>	N83SE
<b>Model/Series:</b>	VANS ACFT RV-8	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2004	<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Experimental (Special)	<b>Serial Number:</b>	81685
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	March 3, 2023 Condition	<b>Certified Max Gross Wt.:</b>	1900 lbs
<b>Time Since Last Inspection:</b>	14 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1525 Hrs	<b>Engine Manufacturer:</b>	Aero Sport Power
<b>ELT:</b>	C91 installed, not activated	<b>Engine Model/Series:</b>	O-360-A1A
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	180 Horsepower
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KVGT, 2190 ft msl	<b>Distance from Accident Site:</b>	0 Nautical Miles
<b>Observation Time:</b>	09:53 Local	<b>Direction from Accident Site:</b>	1°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	15 knots / 22 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	200°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29.91 inches Hg	<b>Temperature/Dew Point:</b>	19°C / -2°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	North Las Vegas, NV	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	North Las Vegas, NV	<b>Type of Clearance:</b>	VFR flight following
<b>Departure Time:</b>		<b>Type of Airspace:</b>	Class D

## Airport Information

<b>Airport:</b>	NORTH LAS VEGAS VGT	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	2205 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	12R	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	4199 ft / 75 ft	<b>VFR Approach/Landing:</b>	Full stop;Straight-in

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>		<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	36.209598,-115.19407

## Administrative Information

Investigator In Charge (IIC):	Rho, Paul
Additional Participating Persons:	Charles Gomez; FAA; Las Vegas, NV
Original Publish Date:	September 21, 2023
Last Revision Date:	
Investigation Class:	<a href="#">Class 4</a>
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	<a href="https://data.nts.gov/Docket?ProjectID=114706">https://data.nts.gov/Docket?ProjectID=114706</a>

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