



Aviation Investigation Final Report

Location:	Delaware, Ohio	Accident Number:	GAA16CA529
Date & Time:	September 2, 2016, 09:30 Local	Registration:	N904LA
Aircraft:	EVEKTOR-AEROTECHNIK AS SPORTSTAR	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The student pilot reported that during his first supervised solo landing that was conducted in light and variable crosswind conditions, he initiated a go around because, the wind had pushed him off course, and he was no longer in a good position to land. He further reported that during his second approach "everything looked good", but that immediately after the wheels touched down, the airplane veered to the left. He tried to compensate but "very quickly lost control". Subsequently, the airplane exited the runway to the left, the nose gear collapsed, and the right wing struck the ground.

A post-accident examination revealed substantial damage to the right wing rear spar.

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

A review of local weather at the time of the accident showed the wind 070 degrees true at 6 nautical miles per hour, and not gusting. The student pilot landed on runway 28.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The student pilot's inadequate compensation for the quartering tailwind on landing, which resulted in a loss of directional control.

Findings

Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Student/instructed pilot
Environmental issues	Tailwind - Response/compensation
Environmental issues	Tailwind - Effect on operation

Factual Information

History of Flight

Landing	Loss of control on ground (Defining event)
Landing	Runway excursion
Landing	Nose over/nose down

Student pilot Information

Certificate:	Student	Age:	40,Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport pilot Without waivers/limitations	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 28.7 hours (Total, all aircraft), 20 hours (Total, this make and model), 18.6 hours (Last 90 days, all aircraft), 2.5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	EVEKTOR-AEROTECHNIK AS	Registration:	N904LA
Model/Series:	SPORTSTAR NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2007	Amateur Built:	
Airworthiness Certificate:	Experimental light sport (Special)	Serial Number:	20070904
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	August 30, 2016 100 hour	Certified Max Gross Wt.:	1320 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	as of last inspection	Engine Manufacturer:	Rotax
ELT:	C91 installed, activated, aided in locating accident	Engine Model/Series:	ULS
Registered Owner:		Rated Power:	100 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:	KDLZ, 945 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	13:36 Local	Direction from Accident Site:	57°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	70°	Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.2 inches Hg	Temperature/Dew Point:	17°C / 13°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Delaware, OH (DLZ)	Type of Flight Plan Filed:	None
Destination:	Delaware, OH (DLZ)	Type of Clearance:	None
Departure Time:	09:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	DELAWARE MUNI - JIM MOORE FIEL DLZ	Runway Surface Type:	Asphalt
Airport Elevation:	945 ft msl	Runway Surface Condition:	Dry
Runway Used:	28	IFR Approach:	None
Runway Length/Width:	5000 ft / 100 ft	VFR Approach/Landing:	Full stop

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:	40.279724,-83.115554(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Tom Sheckler; FAA; Columbus, OH
Original Publish Date:	February 6, 2017
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=94451

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