



Aviation Investigation Final Report

Location:	Upper Lake, California	Accident Number:	GAA18CA096
Date & Time:	December 27, 2017, 15:30 Local	Registration:	N3945A
Aircraft:	AEROPRO CZ EUROFOX	Aircraft Damage:	Substantial
Defining Event:	Aerodynamic stall/spin	Injuries:	2 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot of the airplane reported that, during the approach to land, he applied full flaps, but "unfortunately, [he] added power too late and too slowly." Subsequently, "the bottom fell out," and the airplane aerodynamically stalled. The airplane landed hard, the left and right wings impacted the ground, and the airplane skidded to a stop.

The airplane sustained substantial damage to the fuselage and right wing.

The pilot reported that there were no preaccident mechanical failures or malfunctions 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 adequate airspeed and his exceedance of the airplane's critical angle of attack during the approach to land, which resulted in an aerodynamic stall.

Findings

Aircraft	Angle of attack - Not attained/maintained
Personnel issues	Aircraft control - Pilot
Aircraft	Airspeed - Not attained/maintained

Factual Information

History of Flight

Landing	Aerodynamic stall/spin (Defining event)
Landing	Hard landing

Pilot Information

Certificate:	Sport Pilot	Age:	67, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Unknown
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport pilot None	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 21, 2017
Flight Time:	(Estimated) 525 hours (Total, all aircraft), 440 hours (Total, this make and model), 525 hours (Pilot In Command, all aircraft), 26 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AEROPRO CZ	Registration:	N3945A
Model/Series:	EUROFOX NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2005	Amateur Built:	
Airworthiness Certificate:	Special light-sport (Special)	Serial Number:	178 05
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	April 1, 2017 Annual	Certified Max Gross Wt.:	1235 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	756.6 Hrs as of last inspection	Engine Manufacturer:	Rotax
ELT:	C91 installed, activated, did not aid in locating accident	Engine Model/Series:	ULS
Registered Owner:	On file	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:	KUKI,626 ft msl	Distance from Accident Site:	22 Nautical Miles
Observation Time:	22:56 Local	Direction from Accident Site:	211°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	30.25 inches Hg	Temperature/Dew Point:	17°C / 7°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	LINCOLN, CA (LHM)	Type of Flight Plan Filed:	None
Destination:	Upper Lake, CA (1Q5)	Type of Clearance:	None
Departure Time:	14:29 Local	Type of Airspace:	Class G

Airport Information

Airport:	GRAVELLY VALLEY 1Q5	Runway Surface Type:	Gravel
Airport Elevation:	1900 ft msl	Runway Surface Condition:	Holes;Rough;Soft;Vegetation
Runway Used:	01	IFR Approach:	None
Runway Length/Width:	4050 ft / 200 ft	VFR Approach/Landing:	Full stop;Valley/terrain following

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	39.443054,-122.960281(est)

Administrative Information

Investigator In Charge (IIC):	Swenson, Eric
Additional Participating Persons:	Pete Makhoul; FAA; Sacramento, CA
Original Publish Date:	March 27, 2018
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=96566

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