



National Transportation Safety Board Aviation Accident Final Report

Location:	Enumclaw, WA	Accident Number:	WPR11CA422
Date & Time:	09/01/2011, 1940 PDT	Registration:	N5099A
Aircraft:	AIR CREATION CLIPPER 582S	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot stated that the wind for takeoff was light and variable. After a few minutes of flying, he attempted two landings, both of which resulted in his performing a go-around. He said the third attempt appeared to be lined up well, but as he approached touchdown the wind became turbulent due to the buildings on the side of the runway. After touchdown, he lost directional control of the weight-shift controlled aircraft and it veered right, impacting a hangar. The aircraft's keel beam was bent during the accident sequence.

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.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause)
Environmental issues	Turbulence - Contributed to outcome

Factual Information

History of Flight

Landing-flare/touchdown	Loss of control on ground (Defining event) Other weather encounter
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Pilot Information

Certificate:	Private; Sport Pilot	Age:	37, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	Powered-Lift	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport Pilot Without Waivers/Limitations	Last Medical Exam:	
Occupational Pilot:		Last Flight Review or Equivalent:	07/29/2011
Flight Time:	125 hours (Total, all aircraft), 23 hours (Total, this make and model), 27 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	AIR CREATION	Registration:	N5099A
Model/Series:	CLIPPER 582S	Aircraft Category:	Weight-Shift
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Experimental	Serial Number:	123
Landing Gear Type:		Seats:	2
Date/Type of Last Inspection:	06/03/2011, Conditional	Certified Max Gross Wt.:	992 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	475 Hours	Engine Manufacturer:	ROTAX
ELT:	Not installed	Engine Model/Series:	582DCDI
Registered Owner:	STEVENSON JARED J	Rated Power:	65 hp
Operator:	STEVENSON JARED J	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	SEA, 433 ft msl	Observation Time:	1953 PDT
Distance from Accident Site:	19 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	322°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Thin Broken / 9000 ft agl	Temperature/Dew Point:	19°C / 11°C
Lowest Ceiling:	Broken / 25000 ft agl	Visibility	10 Miles
Wind Speed/Gusts, Direction:	14 knots, 10°	Visibility (RVR):	
Altimeter Setting:	30.13 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Enumclaw, WA (WA77)	Type of Flight Plan Filed:	Unknown
Destination:	Enumclaw, WA (WA77)	Type of Clearance:	None
Departure Time:	1910 PDT	Type of Airspace:	

Airport Information

Airport:	Enumclaw Airport (WA77)	Runway Surface Type:	Grass/turf; Gravel
Airport Elevation:	738 ft	Runway Surface Condition:	Dry
Runway Used:	25	IFR Approach:	None
Runway Length/Width:	1800 ft / 25 ft	VFR Approach/Landing:	Full Stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None		

Administrative Information

Investigator In Charge (IIC):	James F Struhsaker	Adopted Date:	11/03/2011
Additional Participating Persons:	Rod Ziegler; Federal Aviation Administration; Seattle, WA		
Publish Date:	11/03/2011		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=81679		

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