



National Transportation Safety Board Aviation Accident Final Report

Location:	Bellingham, WA	Accident Number:	WPR13CA220
Date & Time:	05/01/2013, 1832 PDT	Registration:	N88XC
Aircraft:	Adolphson CCK-1865	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

The flight instructor and the private pilot were performing practice takeoff and landings in the amateur-built experimental airplane so the pilot could provide an assessment of the airplane's handling qualities. The flight instructor reported that the pilot made a normal approach with full flaps and that the pilot made a "good landing with a normal touchdown." The pilot then commented that "it's skittish alright," and the airplane began to enter a ground loop. The flight instructor took over the controls, but the airplane exited the runway, continued through at least a portion of the ground loop, and dragged the right wingtip on the ground. The airplane sustained substantial damage to some right wing ribs and the right aileron. The flight instructor reported that the tower air traffic controller stated that the wind was "light and variable at 4 knots" about that time. The pilot reported that this was his first flight in the accident airplane make and model. Neither the flight instructor nor the pilot reported any preimpact 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. Contributing to the accident was the flight instructor's delayed remedial action.

Findings

Aircraft	Directional control - Not attained/maintained (Cause)
Personnel issues	Aircraft control - Pilot (Cause) Delayed action - Instructor/check pilot (Factor)

Factual Information

History of Flight

Landing-landing roll	Loss of control on ground (Defining event)
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Flight Instructor Information

Certificate:	Airline Transport; Flight Instructor	Age:	69, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Rear
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	11/28/2011
Occupational Pilot:	No	Last Flight Review or Equivalent:	08/09/2012
Flight Time:	34000 hours (Total, all aircraft), 15 hours (Total, this make and model), 18000 hours (Pilot In Command, all aircraft), 90 hours (Last 90 days, all aircraft), 50 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Private	Age:	34, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Front
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without Waivers/Limitations	Last Medical Exam:	02/13/2012
Occupational Pilot:		Last Flight Review or Equivalent:	02/24/2013
Flight Time:	290 hours (Total, all aircraft), 0 hours (Total, this make and model), 182 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Adolphson	Registration:	N88XC
Model/Series:	CCK-1865	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	CCK-1865-0008
Landing Gear Type:	Tailwheel	Seats:	2
Date/Type of Last Inspection:	09/06/2012, Conditional	Certified Max Gross Wt.:	1865 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1320 Hours	Engine Manufacturer:	Adolphson
ELT:	C91A installed, not activated	Engine Model/Series:	unk
Registered Owner:	Wheels Skis & Floats LLC	Rated Power:	180 hp
Operator:	Wheels Skis & Floats LLC	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	BLI, 170 ft msl	Observation Time:	1853 PDT
Distance from Accident Site:	0 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:		Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	14° C / -2° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	Calm	Visibility (RVR):	
Altimeter Setting:	30.55 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Bellingham, WA (BLI)	Type of Flight Plan Filed:	None
Destination:	Bellingham, WA (BLI)	Type of Clearance:	None
Departure Time:	1800 PDT	Type of Airspace:	

Airport Information

Airport:	Bellingham International (BLI)	Runway Surface Type:	Asphalt
Airport Elevation:	170 ft	Runway Surface Condition:	Dry
Runway Used:	16	IFR Approach:	None
Runway Length/Width:	6700 ft / 150 ft	VFR Approach/Landing:	Touch and Go; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None		

Administrative Information

Investigator In Charge (IIC):	Michael C Huhn	Adopted Date:	08/29/2013
Additional Participating Persons:	Walter Cole; FAA SEA FSDO; Renton, WA		
Publish Date:	08/29/2013		
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=86841		

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