



National Transportation Safety Board Aviation Accident Final Report

Location:	Lago Vista, TX	Accident Number:	CEN13CA458
Date & Time:	08/03/2013, 1215 CDT	Registration:	N6370T
Aircraft:	CESSNA R182	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	1 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The pilot stated that she entered the traffic pattern for runway 15, and established a stabilized approach with the airplane configured for landing. She reported that the airplane touched down in the runway landing zone; however, the airplane bounced and she added engine power in order to stabilize the airplane. At that time, the airplane encountered a gust of wind which resulted in the left main landing gear departing the runway pavement. The pilot noted that she added full engine power to initiate a go-around, and the airplane pitched up due to the added power and the pitch trim positioned for landing approach. She attempted to reduce the flap deflection to 10 degrees; however, the flaps may have been raised completely contributing to an inadvertent aerodynamic stall at a low altitude. The pilot noted that there were no malfunctions or failures associated with the airplane prior to the accident. She commented that due to the local terrain it is common to experience some turbulence on approach to runway 15. She reported that the wind was from 170 degrees at 6 knots, with moderate turbulence. Wind conditions recorded at local airports were southerly at 10 to 13 knots, with gusts to 17 knots.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's inadequate recovery from a bounced landing in crosswind conditions, and an inadvertent aerodynamic stall during the subsequent go-around attempt.

Findings

Personnel issues	Aircraft control - Pilot (Cause)
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Factual Information

History of Flight

Landing	Hard landing Runway excursion Loss of control in flight (Defining event) Collision with terr/obj (non-CFIT)
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Pilot Information

Certificate:	Private	Age:	61, Female
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 With Waivers/Limitations	Last Medical Exam:	01/30/2012
Occupational Pilot:	No	Last Flight Review or Equivalent:	01/22/2013
Flight Time:	357 hours (Total, all aircraft), 60 hours (Total, this make and model), 219 hours (Pilot In Command, all aircraft), 19 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N6370T
Model/Series:	R182	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	R18201999
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	04/12/2013, Annual	Certified Max Gross Wt.:	3100 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	10923 Hours	Engine Manufacturer:	Lycoming
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O-540-J3C5D
Registered Owner:	On file	Rated Power:	235 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	GTU, 790 ft msl	Observation Time:	1148 CDT
Distance from Accident Site:	19 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	50°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Clear	Temperature/Dew Point:	32° C / 20° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	11 knots/ 16 knots, 200°	Visibility (RVR):	
Altimeter Setting:	30.04 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fredericksburg, TX (T82)	Type of Flight Plan Filed:	None
Destination:	Lago Vista, TX (RYW)	Type of Clearance:	None
Departure Time:	1155 CDT	Type of Airspace:	

Airport Information

Airport:	Lago Vista (RYW)	Runway Surface Type:	Asphalt
Airport Elevation:	1230 ft	Runway Surface Condition:	Dry
Runway Used:	15	IFR Approach:	None
Runway Length/Width:	3808 ft / 50 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Timothy Sorensen	Adopted Date:	09/05/2013
Additional Participating Persons:	Harry L Kifer; FAA -- San Antonio Flight Standards; San Antonio, TX		
Publish Date:	09/05/2013		
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=87673		

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