



Aviation Investigation Final Report

Location:	Pleasanton, Texas	Accident Number:	CEN14CA295
Date & Time:	June 16, 2014, 18:45 Local	Registration:	N1671T
Aircraft:	Cessna 414	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	5 Minor, 1 None
Flight Conducted Under:	Part 91: General aviation		

Analysis

The pilot obtained the airport's weather information prior to landing, which included wind from 250 degrees at 9 knots gusting to 20 knots. He realized that he would land with a 90 degree crosswind on either runway and elected to land on the runway 34. When the airplane was on short final, the pilot realized the wind had shifted to a direct tailwind and he immediately executed a go-around. The pilot established a 500 feet per minute climb at an airspeed of 120 knots. When the airplane was about 200-feet-above the ground, the airplane began to descend and the airspeed began to decrease. The pilot was unable to arrest the descent and lowered the airplane's nose in an attempt to gain airspeed, but the airplane stalled and rolled left. The pilot leveled the wings and the airplane impacted the ground in a level attitude, resulting in substantial damage to the airplane's fuselage and right wing. Wind reported five minutes after the accident was from 130 degrees at 14 knots gusting to 19 knots. The pilot reported there were no mechanical deficiencies with the airplane or engines that would have precluded normal operation prior to the accident.

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 aircraft control during an aborted landing due to an encounter with a tailwind.

Findings

Personnel issues	Aircraft control - Pilot
Environmental issues	Tailwind - Response/compensation
Aircraft	(general) - Not attained/maintained

Factual Information

History of Flight

Approach-VFR go-around	Loss of control in flight (Defining event)
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Pilot Information

Certificate:	Airline transport	Age:	32
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	4-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 With waivers/limitations	Last FAA Medical Exam:	December 2, 2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	September 12, 2013
Flight Time:	5021 hours (Total, all aircraft), 1100 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N1671T
Model/Series:	414 UNDESIGNAT	Aircraft Category:	Airplane
Year of Manufacture:	1973	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	414-0464
Landing Gear Type:	Retractable - Tricycle	Seats:	
Date/Type of Last Inspection:	May 5, 2014 Annual	Certified Max Gross Wt.:	6349 lbs
Time Since Last Inspection:		Engines:	2 Reciprocating
Airframe Total Time:	5900 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:		Engine Model/Series:	TSIO-520 SER
Registered Owner:	Ping Ze Aviation LLC	Rated Power:	0 Horsepower
Operator:	Ping Ze Aviation LLC	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	PEZ,430 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	18:45 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	14 knots / 21 knots	Turbulence Type Forecast/Actual:	/ None
Wind Direction:	120°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.89 inches Hg	Temperature/Dew Point:	32°C / 21°C
Precipitation and Obscuration:			
Departure Point:	Addison, TX (ADS)	Type of Flight Plan Filed:	IFR
Destination:	Pleasanton, TX (PEZ)	Type of Clearance:	IFR
Departure Time:	17:00 Local	Type of Airspace:	Unknown

Airport Information

Airport:	Pleasanton Municipal PEZ	Runway Surface Type:	Asphalt
Airport Elevation:	430 ft msl	Runway Surface Condition:	
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	4000 ft / 75 ft	VFR Approach/Landing:	Go around

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	5 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	5 Minor, 1 None	Latitude, Longitude:	28.959333,-98.489418(est)

Administrative Information

Investigator In Charge (IIC):	Yeager, Leah
Additional Participating Persons:	
Original Publish Date:	August 14, 2014
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.ntsb.gov/Docket?ProjectID=89458

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