



Aviation Investigation Final Report

Location:	Albuquerque, New Mexico	Accident Number:	CEN13CA234
Date & Time:	April 20, 2013, 13:04 Local	Registration:	N6955E
Aircraft:	Cessna 175A	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The pilot reported that upon arrival at his destination, he realized there were dust devils in the vicinity that were diminishing or moving away; he decided they would not be a factor. He landed the airplane and was taxiing slowly on a taxiway when he saw a dust devil about 300 feet to his left front. He said that he had slowed to a stop by the time the dust devil engulfed the airplane, but the airplane was lifted about 3 feet off the taxiway surface. The airplane then impacted the ground on the right wingtip and propeller, resulting in substantial damage to the right wing. The pilot reported that there were no preimpact mechanical malfunctions or failures 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 inability to maintain airplane control during taxi due to an inadvertent encounter with a dust devil.

Findings

Aircraft	(general) - Attain/maintain not possible
Environmental issues	Dust devil/whirlwind - Contributed to outcome

Factual Information

History of Flight

Taxi	Other weather encounter
Taxi	Loss of control on ground (Defining event)
Taxi	Nose over/nose down
Taxi	Collision with terr/obj (non-CFIT)

Pilot Information

Certificate:	Private	Age:	47, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without waivers/limitations	Last FAA Medical Exam:	January 10, 2012
Occupational Pilot:	No	Last Flight Review or Equivalent:	October 16, 2011
Flight Time:	295 hours (Total, all aircraft), 283 hours (Total, this make and model), 254 hours (Pilot In Command, all aircraft), 12 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 Make:	Cessna	Registration:	N6955E
Model/Series:	175A	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	56455
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	March 2, 2013 Annual	Certified Max Gross Wt.:	2350 lbs
Time Since Last Inspection:	3 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	3158 Hrs as of last inspection	Engine Manufacturer:	CONT MOTOR
ELT:	C91A installed, not activated	Engine Model/Series:	GO-300 SERIES
Registered Owner:	On file	Rated Power:	175 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:	KAEG, 5837 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	13:06 Local	Direction from Accident Site:	360°
Lowest Cloud Condition:	Scattered / 10000 ft AGL	Visibility:	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	13 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.95 inches Hg	Temperature/Dew Point:	17°C / -12°C
Precipitation and Obscuration:	N/A - None - Dust or sand whirls		
Departure Point:	Edgewood, NM (1N1)	Type of Flight Plan Filed:	None
Destination:	Albuquerque, NM (AEG)	Type of Clearance:	VFR
Departure Time:	12:45 Local	Type of Airspace:	

Airport Information

Airport:	Double Eagle II Airport AEG	Runway Surface Type:	Asphalt
Airport Elevation:	5837 ft msl	Runway Surface Condition:	Dry
Runway Used:	22	IFR Approach:	None
Runway Length/Width:	7398 ft / 100 ft	VFR Approach/Landing:	Full stop

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	35.133609,-106.79(est)

Administrative Information

Investigator In Charge (IIC):	Latson, Thomas
Additional Participating Persons:	John R DeWitt; FAA Albuquerque FSDO; Albuquerque, NM
Original Publish Date:	July 23, 2013
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=86694

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