



Aviation Investigation Final Report

Location:	Goodyear, Arizona	Accident Number:	GAA17CA516
Date & Time:	September 2, 2017, 09:44 Local	Registration:	N910XD
Aircraft:	DIAMOND AIRCRAFT IND GMBH DA 40 NG	Aircraft Damage:	Substantial
Defining Event:	Abnormal runway contact	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

The solo student pilot reported that, during approach, he felt a "slight sink." He added that the main landing gears touched down, and the airplane began to porpoise. The student pilot added power to initiate a go-around, but the airplane veered left. The porpoising continued, so the pilot reduced the power to idle and attempted to use brakes to steer. The airplane exited the runway to the left and impacted a taxiway sign.

The airplane sustained substantial damage to the right wing.

The student pilot reported that there were no preaccident mechanical failures or malfunctions 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 student pilot's improper landing flare and subsequent failure to maintain directional control during the landing roll.

Findings

Aircraft	Landing flare - Not attained/maintained
Aircraft	Directional control - Not attained/maintained
Personnel issues	Aircraft control - Student/instructed pilot
Environmental issues	Sign/marker - Contributed to outcome

Factual Information

History of Flight

Landing	Abnormal runway contact (Defining event)
Landing	Loss of control on ground
Landing	Attempted remediation/recovery
Landing	Collision with terr/obj (non-CFIT)

Student pilot Information

Certificate:	Student	Age:	23, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	April 11, 2017
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	(Estimated) 16.3 hours (Total, all aircraft), 16.3 hours (Total, this make and model), 1.7 hours (Pilot In Command, all aircraft), 16.3 hours (Last 90 days, all aircraft), 13.6 hours (Last 30 days, all aircraft), 1.8 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	DIAMOND AIRCRAFT IND GMBH	Registration:	N910XD
Model/Series:	DA 40 NG NO SERIES	Aircraft Category:	Airplane
Year of Manufacture:	2015	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	40.N303
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	August 23, 2017 AAIP	Certified Max Gross Wt.:	2888 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1133.9 Hrs at time of accident	Engine Manufacturer:	Austro
ELT:	Installed, not activated	Engine Model/Series:	E4-A
Registered Owner:	CTC AVIATION LEASING (US) INC	Rated Power:	165 Horsepower
Operator:	L3 CTC AVIATION TRAINING	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	KGYR,968 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	16:47 Local	Direction from Accident Site:	222°
Lowest Cloud Condition:	Few / 12000 ft AGL	Visibility	10 miles
Lowest Ceiling:	Broken / 20000 ft AGL	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/ N/A
Altimeter Setting:	29.95 inches Hg	Temperature/Dew Point:	32°C / 22°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Goodyear, AZ (GYR)	Type of Flight Plan Filed:	None
Destination:	Goodyear, AZ (GYR)	Type of Clearance:	VFR
Departure Time:	09:16 Local	Type of Airspace:	Class D

Airport Information

Airport:	PHOENIX GOODYEAR GYR	Runway Surface Type:	Asphalt
Airport Elevation:	968 ft msl	Runway Surface Condition:	Dry
Runway Used:	21	IFR Approach:	None
Runway Length/Width:	8500 ft / 150 ft	VFR Approach/Landing:	Touch and go;Traffic pattern

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:	33.429721,-112.369445(est)

Administrative Information

Investigator In Charge (IIC):	Benhoff, Kathryn
Additional Participating Persons:	Kristina McMillan; FAA; Scottsdale, AZ
Original Publish Date:	November 27, 2017
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=95932

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