



Aviation Investigation Final Report

Location:	Fullerton, California	Accident Number:	WPR13CA164
Date & Time:	March 23, 2013, 11:50 Local	Registration:	N7497Y
Aircraft:	Piper PA-30	Aircraft Damage:	Substantial
Defining Event:	Loss of control in flight	Injuries:	4 None
Flight Conducted Under:	Part 91: General aviation - Instructional		

Analysis

According to the flight instructor, the pilot receiving instruction was seated in the left seat and manipulating the flight controls during the takeoff. As the airplane became airborne, it yawed left. The instructor intervened and aborted the takeoff. However, before the airplane landed again, the left wing impacted the airport windsock on the north side of the runway, which resulted in substantial damage to the wing’s leading edge. The instructor reported no mechanical malfunctions 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 receiving instruction’s failure to maintain airplane control during takeoff and the flight instructor’s delayed remedial action.

Findings

Personnel issues	Aircraft control - Pilot
Personnel issues	Delayed action - Instructor/check pilot
Aircraft	Directional control - Not attained/maintained
Environmental issues	Wind sock - Not specified

Factual Information

History of Flight

Takeoff	Loss of control in flight (Defining event)
Takeoff-rejected takeoff	Collision with terr/obj (non-CFIT)

Flight instructor Information

Certificate:	Commercial; Flight instructor	Age:	33, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Right
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane multi-engine; Airplane single-engine; Instrument airplane	Toxicology Performed:	No
Medical Certification:	Class 1 With waivers/limitations	Last FAA Medical Exam:	February 14, 2013
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	July 14, 2011
Flight Time:	8500 hours (Total, all aircraft), 125 hours (Total, this make and model), 8132 hours (Pilot In Command, all aircraft), 258 hours (Last 90 days, all aircraft), 85 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Pilot Information

Certificate:	Private	Age:	59, Male
Airplane Rating(s):	Single-engine land; Multi-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	None None	Last FAA Medical Exam:	October 20, 1999
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:			

Aircraft and Owner/Operator Information

Aircraft Make:	Piper	Registration:	N7497Y
Model/Series:	PA-30	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	30-559
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	August 15, 2012 Annual	Certified Max Gross Wt.:	3725 lbs
Time Since Last Inspection:	70 Hrs	Engines:	2 Reciprocating
Airframe Total Time:	5500 Hrs as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	IO-320 SERIES
Registered Owner:	Hess, Drew C	Rated Power:	150 Horsepower
Operator:	Hess, Drew C	Operating Certificate(s) Held:	None
Operator Does Business As:	Fun Outside	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	FUL,96 ft msl	Distance from Accident Site:	
Observation Time:	11:53 Local	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.98 inches Hg	Temperature/Dew Point:	21°C / 9°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Fullerton, CA (FUL)	Type of Flight Plan Filed:	None
Destination:	Fullerton, CA (FUL)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Fullerton Municipal Airport FUL	Runway Surface Type:	Asphalt
Airport Elevation:	96 ft msl	Runway Surface Condition:	Dry
Runway Used:	06	IFR Approach:	None
Runway Length/Width:	3121 ft / 75 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	33.86972,-117.974441(est)

Administrative Information

Investigator In Charge (IIC):	Jones, Patrick
Additional Participating Persons:	Federal Aviation Administration; Long Beach, CA
Original Publish Date:	July 18, 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=86504

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