



National Transportation Safety Board Aviation Accident Factual Report

Location:	San Jose, CA	Accident Number:	WPR16LA024
Date & Time:	11/07/2015, 2040 PST	Registration:	N21679
Aircraft:	CESSNA 172S	Aircraft Damage:	Substantial
Defining Event:	Loss of control on ground	Injuries:	1 Minor, 3 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

On November 7, 2015, at 2040 Pacific standard time, a Cessna 172S, N21679, was substantially damaged during landing at Reid Hillview Airport of Santa Clara County, San Jose, California. The personal flight was operated by Trade Winds Aviation under the provisions of 14 Code of Federal Regulations Part 91. The private pilot sustained minor injuries and three passengers were uninjured. Night visual meteorological conditions prevailed and no flight plan was filed.

The pilot was returning to the departure airport after completing a local scenic night flight with three friends. The pilot was cleared to land runway 31R, but then requested to go around. He was then cleared again to land on runway 31R. During touchdown, the airplane departed the runway, and came to rest inverted. The pilot reported that the airplane experienced brake and rudder problems during landing. A post accident examination by an FAA inspector revealed no mechanical anomalies with the braking or control systems.

The pilot had recently obtained his private pilot certificate. At the time of the accident he had accrued approximately 59 hours total time with 7 hours of total night flight, and 3 hours of night flight within the last 90 days. He had accrued 4 hours of flight time in the last 30 days, and no hours of night flight during this time.

The pilot reported the weight of the airplane to be 2,400 pounds at the time of the accident. The maximum gross weight of the airplane is 2,550 pounds.

The pilot rented the accident airplane through an agreement with OpenAirplane. The OpenAirplane agreement allowed the pilot to be checked out in a specific make and model airplane at one location, and fly the same make and model airplane at OpenAirplane operators throughout the United States. The pilot had completed a check out flight with OpenAirplane in the Boston, Massachusetts area, and the accident flight was his first flight since the checkout. There were no restrictions in the OpenAirplane agreement regarding night flight operations. The airplane operator, Trade Winds Aviation, provided an online Local Procedures Briefing that discussed general operations and procedures for area flights.

Pilot Information

Certificate:	Private	Age:	27, Male
Airplane Rating(s):	Single-engine Land	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:	07/20/2015
Occupational Pilot:	No	Last Flight Review or Equivalent:	
Flight Time:	59 hours (Total, all aircraft), 59 hours (Total, this make and model), 16 hours (Pilot In Command, all aircraft), 15 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N21679
Model/Series:	172S	Aircraft Category:	Airplane
Year of Manufacture:	2004	Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	172S9648
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	11/06/2015, Continuous Airworthiness	Certified Max Gross Wt.:	2299 lbs
Time Since Last Inspection:	3 Hours	Engines:	1 Reciprocating
Airframe Total Time:	4553.4 Hours as of last inspection	Engine Manufacturer:	LYCOMING
ELT:	C91A installed, activated, did not aid in locating accident	Engine Model/Series:	IO-360-L2A
Registered Owner:	AIR THOMO LLC	Rated Power:	180 hp
Operator:	Trade Winds Aviation	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night
Observation Facility, Elevation:	RHV, 135 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	2030 PST	Direction from Accident Site:	
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/ None
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.07 inches Hg	Temperature/Dew Point:	13° C / 9° C
Precipitation and Obscuration:			
Departure Point:	San Jose, CA (RHV)	Type of Flight Plan Filed:	None
Destination:	San Jose, CA (RHV)	Type of Clearance:	VFR
Departure Time:	PST	Type of Airspace:	

Airport Information

Airport:	REID-HILLVIEW OF SANTA CLARA C (RHV)	Runway Surface Type:	Asphalt
Airport Elevation:	135 ft	Runway Surface Condition:	Dry
Runway Used:	31R	IFR Approach:	None
Runway Length/Width:	3100 ft / 75 ft	VFR Approach/Landing:	Full Stop; Go Around

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor, 3 None	Latitude, Longitude:	37.332778, -121.819722 (est)

Administrative Information

Investigator In Charge (IIC):	Kristi Dunks
Additional Participating Persons:	Wilbert J Robinson; Federal Aviation Administration; San Jose, CA
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=92304