



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Ormond Beach, FL	<b>Accident Number:</b>	ERA20CA104
<b>Date &amp; Time:</b>	02/17/2020, 1515 EST	<b>Registration:</b>	N731TA
<b>Aircraft:</b>	Schweizer 269C	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Loss of control in flight	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Instructional		

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The pilot reported that, while on his first solo flight in a helicopter the wind began to increase. Concerned the wind may become unsafe, he decided to make a full stop landing and complete the solo lesson. After landing and coming to a hover over the runway, air traffic control instructed him to exit the runway via nearest the taxiway. As he made a right pedal turn onto the taxiway the helicopter began to yaw aggressively to the right. Concerned the helicopter was encountering loss of tail rotor effectiveness, he applied additional right pedal and forward cyclic to increase airspeed and abort the landing. The helicopter began to spin uncontrollably and gain altitude. He rolled off the throttle, pulled aft cyclic, and full collective, the right skid impacted the ground and rolled onto the helicopters right side.

The helicopter sustained substantial damage to the tailboom, and fuselage.

The student pilot reported that there were no preaccident mechanical failures or malfunctions with the helicopter that would have precluded normal operation.

The airport's automated weather observation station reported that, about the time of the accident, the wind was from 030° at 7 knots. The pilot was landing the helicopter on runway 9.

## Student Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	39, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Right
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Without Waivers/Limitations	<b>Last FAA Medical Exam:</b>	12/19/2019
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	(Estimated) 64.7 hours (Total, all aircraft), 13.5 hours (Total, this make and model), 14 hours (Last 90 days, all aircraft), 7.7 hours (Last 30 days, all aircraft), 0.6 hours (Last 24 hours, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Schweizer	<b>Registration:</b>	N731TA
<b>Model/Series:</b>	269C 1	<b>Aircraft Category:</b>	Helicopter
<b>Year of Manufacture:</b>	2006	<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	0236
<b>Landing Gear Type:</b>	Skid	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	02/03/2020, Continuous Airworthiness	<b>Certified Max Gross Wt.:</b>	1750 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2717.5 Hours as of last inspection	<b>Engine Manufacturer:</b>	Lycoming
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	HIO-360-G1A
<b>Registered Owner:</b>	Tomlinson Aviation Inc	<b>Rated Power:</b>	180 hp
<b>Operator:</b>	Tomlinson Aviation Inc	<b>Operating Certificate(s) Held:</b>	Pilot School (141)

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KOMN, 29 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	2050 UTC	Direction from Accident Site:	171 °
Lowest Cloud Condition:	Clear	Visibility	10 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	30°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.07 inches Hg	Temperature/Dew Point:	21 °C / 19 °C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Ormond Beach, FL (OMN)	Type of Flight Plan Filed:	None
Destination:	Ormond Beach, FL (OMN)	Type of Clearance:	VFR
Departure Time:	EST	Type of Airspace:	Class D

## Airport Information

Airport:	Ormond Beach Muni (OMN)	Runway Surface Type:	Asphalt
Airport Elevation:	27 ft	Runway Surface Condition:	Dry
Runway Used:	09	IFR Approach:	None
Runway Length/Width:	4005 ft / 75 ft	VFR Approach/Landing:	Full Stop

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	29.301111, -81.113889 (est)

## Administrative Information

Investigator In Charge (IIC):	Eric M Gutierrez
Additional Participating Persons:	Gabriele Rotunda; FAA / FSDO; Orlando, FL
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	<a href="http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=100960">http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=100960</a>