



# Aviation Investigation Preliminary Report

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<b>Location:</b>	Pearland, TX	<b>Accident Number:</b>	CEN25LA031
<b>Date &amp; Time:</b>	October 27, 2024, 08:30 Local	<b>Registration:</b>	N7521Z
<b>Aircraft:</b>	ROBINSON HELICOPTER R22 BETA	<b>Injuries:</b>	1 Minor
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

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On October 27, 2024, about 0830 central daylight time, a Robinson Helicopter R-22 Beta, N7521Z, was substantially damaged when it was involved in an accident near Pearland, Texas. The pilot sustained minor injuries. The helicopter was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

The pilot stated that he increased engine power to about 18 inches of manifold pressure to lift off and started a pedal turn toward the adjacent taxiway. He recalled a “violent lurch” to the right and lowered the collective abruptly but that did not seem to make any difference. He did not remember anything further.

Airport surveillance video footage depicted the helicopter lifting off and translating a short distance to the right. The right skid appeared to make contact with the ground again, and the helicopter immediately began rotating to the right. This was accompanied by pitch up and pitch down oscillations. The aft portion of the tail boom impacted the paved ramp surface which resulted in the empennage separating. Rotation of the helicopter continued until it collided with a nearby parked airplane.

The helicopter sustained damage to both main rotor blades, the tail boom, tail rotor assembly, and the empennage. The left landing skid partially collapsed. An examination of the helicopter is pending.

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	ROBINSON HELICOPTER	<b>Registration:</b>	N7521Z
<b>Model/Series:</b>	R22 BETA	<b>Aircraft Category:</b>	Helicopter
<b>Amateur Built:</b>			
<b>Operator:</b>	VERACITY AVIATION LLC	<b>Operating Certificate(s) Held:</b>	Pilot school (141)
<b>Operator Designator Code:</b>	V79S		

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	VMC	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KLVJ,39 ft msl	<b>Observation Time:</b>	08:53 Local
<b>Distance from Accident Site:</b>	0 Nautical Miles	<b>Temperature/Dew Point:</b>	22°C /21°C
<b>Lowest Cloud Condition:</b>	Clear	<b>Wind Speed/Gusts, Direction:</b>	0 knots / 0 knots, 0°
<b>Lowest Ceiling:</b>	None	<b>Visibility:</b>	9 miles
<b>Altimeter Setting:</b>	30.24 inches Hg	<b>Type of Flight Plan Filed:</b>	NONE
<b>Departure Point:</b>	Pearland, TX (LVJ)	<b>Destination:</b>	Pearland, TX (:VJ)

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 Minor	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	N/A	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 Minor	<b>Latitude, Longitude:</b>	29.521278,-95.242139

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Sorensen, Timothy
<b>Additional Participating Persons:</b>	Jeffrey Hayes; FAA Flight Standards; Houston, TX
<b>Investigation Class:</b>	<a href="#">Class 3</a>
<b>Note:</b>	The NTSB did not travel to the scene of this accident.