



# Aviation Investigation Final Report

<b>Location:</b>	Rochelle, Illinois	<b>Accident Number:</b>	GAA18CA401
<b>Date &amp; Time:</b>	July 5, 2018, 15:00 Local	<b>Registration:</b>	N6795Q
<b>Aircraft:</b>	Grumman G164	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Miscellaneous/other	<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

The pilot of the turbine-powered airplane reported that, during takeoff for an agricultural application flight, he failed to move the power lever from the ground idle position to the flight position. During takeoff, the airplane did not attain sufficient airspeed, aerodynamically stalled about 50 ft above the ground, impacted terrain, and came to rest inverted.

The airplane sustained substantial damage to the fuselage, both wings, and the empennage.

The 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 pilot's failure to move the power lever to the proper position before takeoff, which resulted in insufficient airspeed and a subsequent aerodynamic stall.

## Findings

<b>Personnel issues</b>	Lack of action - Pilot
<b>Personnel issues</b>	Use of equip/system - Pilot
<b>Personnel issues</b>	Monitoring equip/instruments - Pilot
<b>Aircraft</b>	Power lever - Incorrect use/operation
<b>Aircraft</b>	Airspeed - Not attained/maintained

## Factual Information

### History of Flight

Takeoff	Miscellaneous/other (Defining event)
Takeoff	Aerodynamic stall/spin
Landing	Roll over

### Pilot Information

Certificate:	Commercial	Age:	20,Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Single
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 2 Without waivers/limitations	Last FAA Medical Exam:	March 26, 2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	February 23, 2018
Flight Time:	(Estimated) 849 hours (Total, all aircraft), 10 hours (Total, this make and model), 700 hours (Pilot In Command, all aircraft), 150 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

Aircraft Make:	Grumman	Registration:	N6795Q
Model/Series:	G164 B	Aircraft Category:	Airplane
Year of Manufacture:	1976	Amateur Built:	
Airworthiness Certificate:	Restricted (Special)	Serial Number:	306B
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	4500 lbs
Time Since Last Inspection:		Engines:	1 Turbo prop
Airframe Total Time:		Engine Manufacturer:	Honeywell
ELT:	Not installed	Engine Model/Series:	Garrett
Registered Owner:		Rated Power:	720 Horsepower
Operator:		Operating Certificate(s) Held:	Agricultural aircraft (137)

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	KRPJ,781 ft msl	<b>Distance from Accident Site:</b>	8 Nautical Miles
<b>Observation Time:</b>	20:55 Local	<b>Direction from Accident Site:</b>	246°
<b>Lowest Cloud Condition:</b>	Scattered / 3300 ft AGL	<b>Visibility</b>	10 miles
<b>Lowest Ceiling:</b>	Broken / 9000 ft AGL	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	7 knots /	<b>Turbulence Type Forecast/Actual:</b>	None / None
<b>Wind Direction:</b>	340°	<b>Turbulence Severity Forecast/Actual:</b>	N/A / N/A
<b>Altimeter Setting:</b>	30.26 inches Hg	<b>Temperature/Dew Point:</b>	31°C / 24°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	Rochelle, IL (IL93)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	Rochelle, IL (IL93)	<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	15:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	HENDRICKSON FLYING SERVICE IL93	<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	889 ft msl	<b>Runway Surface Condition:</b>	Dry;Vegetation
<b>Runway Used:</b>	S	<b>IFR Approach:</b>	None
<b>Runway Length/Width:</b>	2800 ft / 200 ft	<b>VFR Approach/Landing:</b>	None

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	41.943889,-88.924446(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Benhoff, Kathryn
<b>Additional Participating Persons:</b>	Kurt Stiefel; FAA; DuPage, IL
<b>Original Publish Date:</b>	March 18, 2019
<b>Note:</b>	This accident report documents the factual circumstances of this accident as described to the NTSB.
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=97698">https://data.nts.gov/Docket?ProjectID=97698</a>

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