



# National Transportation Safety Board Aviation Accident Data Summary

|                                |                                      |                         |            |
|--------------------------------|--------------------------------------|-------------------------|------------|
| <b>Location:</b>               | New Lisbon, WI                       | <b>Accident Number:</b> | GAA16CA067 |
| <b>Date &amp; Time:</b>        | 11/02/2015, 0745 CST                 | <b>Registration:</b>    | N33939     |
| <b>Aircraft:</b>               | TAYLORCRAFT BC12 65                  | <b>Injuries:</b>        | 1 Minor    |
| <b>Flight Conducted Under:</b> | Part 91: General Aviation - Personal |                         |            |

## Analysis

According to the pilot, immediately after takeoff, the wind speed increased and he elected to complete one pattern and land. With a right quartering head wind, the pilot touched down yet reported that a wind gust made the airplane veer to the right side of the runway. He recalled that he applied full power and aborted the landing. The pilot reported that when he "looked out of the windshield", he realized the airplane was on a heading to impact the airfield hangars, so he turned the airplane to the left, the airplane stalled and impacted the ground. The airplane sustained substantial damage to the right wing strut and empennage.

The pilot reported that there were no mechanical failures or anomalies prior to or during the flight that would have prevented normal flight operation.

The wind at the nearest weather reporting station reported wind from 210 degrees true at 7 knots, with no gusts, and the departure runway heading was 14.

## Flight Events

- Landing - Attempted remediation/recovery
- Landing-aborted after touchdown - Loss of visual reference
- Initial climb - Aerodynamic stall/spin
- Initial climb - Collision with terr/obj (non-CFIT)

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's exceedance of the airplane's critical angle of attack, resulting in an inadvertent aerodynamic stall and impact with terrain.

## Findings

- Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Angle of attack-Capability exceeded - C
- Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C
- Personnel issues-Psychological-Attention/monitoring-Task monitoring/vigilance-Pilot

## Pilot Information

|                                  |   |                              |      |
|----------------------------------|---|------------------------------|------|
| <b>Certificate:</b>              | Private   | <b>Age:</b>                  | 74   |
| <b>Airplane Rating(s):</b>       | Single-engine Land  | <b>Instrument Rating(s):</b> | None |
| <b>Other Aircraft Rating(s):</b> | None  | <b>Instructor Rating(s):</b> | None |
| <b>Flight Time:</b>              | (Estimated) 610 hours (Total, all aircraft), 9 hours (Total, this make and model), 557 hours (Pilot In Command, all aircraft) |                              |      |

## Aircraft and Owner/Operator Information

|   |                                      |                             |                 |
|---|--------------------------------------|-----------------------------|-----------------|
| <b>Aircraft Manufacturer:</b>             | TAYLORCRAFT                          | <b>Registration:</b>        | N33939          |
| <b>Model/Series:</b>                      | BC12 65 D                            | <b>Engines:</b>             | 1 Reciprocating |
| <b>Operator:</b>                          | Zindorf, Chris M.                    | <b>Engine Manufacturer:</b> | Continental     |
| <b>Air Carrier Operating Certificate:</b> | None                                 | <b>Engine Model/Series:</b> | A-65-8          |
| <b>Flight Conducted Under:</b>            | Part 91: General Aviation - Personal |                             |                 |

## Meteorological Information and Flight Plan

|   |                                  |                                     |                              |
|---|----------------------------------|-------------------------------------|------------------------------|
| <b>Observation Facility, Elevation:</b> | KVOK, 912 ft msl                 | <b>Weather Information Source:</b>  | Weather Observation Facility |
| <b>Conditions at Accident Site:</b>     | Visual Conditions                | <b>Lowest Ceiling:</b>              |                              |
| <b>Condition of Light:</b>              | Day                              | <b>Wind Speed/Gusts, Direction:</b> | 7 knots, 210°                |
| <b>Temperature:</b>                     | 12°C / 11°C                      | <b>Visibility</b>                   | 10 Miles                     |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |                                     |                              |
| <b>Departure Point:</b>                 | New Lisbon, WI (82C)             | <b>Destination:</b>                 | New Lisbon, WI (82C)         |

## Airport Information

|                             |                                |                                  |         |
|-----------------------------|--------------------------------|----------------------------------|---------|
| <b>Airport:</b>             | MAUSTON-NEW LISBON UNION (82C) | <b>Runway Surface Type:</b>      | Asphalt |
| <b>Runway Used:</b>         | 14                             | <b>Runway Surface Condition:</b> | Dry     |
| <b>Runway Length/Width:</b> | 3688 ft / 75 ft                |                                  |         |

## 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        |

## Administrative Information

|                                      |   |                      |            |
|--------------------------------------|---|----------------------|------------|
| <b>Investigator In Charge (IIC):</b> | Michael A Hicks   | <b>Adopted Date:</b> | 03/14/2016 |
| <b>Note:</b>                         | This accident report documents the factual circumstances of this accident as described to the NTSB.                             |                      |            |
| <b>Investigation Docket:</b>         | <a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=92391">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=92391</a> |                      |            |

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