



# Aviation Investigation Final Report

|                                |                                      |                         |             |
|--------------------------------|--------------------------------------|-------------------------|-------------|
| <b>Location:</b>               | Warren, Arkansas                     | <b>Accident Number:</b> | GAA18CA442  |
| <b>Date &amp; Time:</b>        | July 14, 2018, 11:30 Local           | <b>Registration:</b>    | N2127C      |
| <b>Aircraft:</b>               | Champion 7GC                         | <b>Aircraft Damage:</b> | Substantial |
| <b>Defining Event:</b>         | Loss of control on ground            | <b>Injuries:</b>        | 1 None      |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |             |

## Analysis

The pilot reported that, during a three-point landing in a tailwheel-equipped airplane, as soon as the airplane touched down, the tailwheel shimmied. He raised the tail attempting to keep the airplane straight, but it veered right. He applied left brake, but the airplane continued toward a ditch. He then applied right rudder and right brake attempting to spin the airplane.

The airplane sustained substantial damage to the left wing and left elevator.

The pilot reported that the wind was from 230° at 4 knots at the accident airport. The automated weather observation system about 17 nautical miles from the accident site reported that, about the time of the accident, the wind was from 230° at 7 knots. The pilot landed the airplane on runway 21.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's failure to maintain directional control during landing.

## Findings

|                         |   |
|-------------------------|---|
| <b>Aircraft</b>         | Directional control - Not attained/maintained |
| <b>Personnel issues</b> | Aircraft control - Pilot                      |

## Factual Information

### History of Flight

|         |  |
|---------|--|
| Landing | Abnormal runway contact                    |
| Landing | Loss of control on ground (Defining event) |

### Pilot Information

|                           |  |                                   |                 |
|---------------------------|--|-----------------------------------|-----------------|
| Certificate:              | Private  | Age:                              | 24,Male         |
| Airplane Rating(s):       | Single-engine land   | Seat Occupied:                    | Front           |
| Other Aircraft Rating(s): | None   | Restraint Used:                   | Unknown         |
| Instrument Rating(s):     | None   | Second Pilot Present:             | No              |
| Instructor Rating(s):     | None   | Toxicology Performed:             | No              |
| Medical Certification:    | Class 3 With waivers/limitations   | Last FAA Medical Exam:            | August 7, 2018  |
| Occupational Pilot:       | No   | Last Flight Review or Equivalent: | August 12, 2018 |
| Flight Time:              | (Estimated) 290 hours (Total, all aircraft), 150 hours (Total, this make and model), 290 hours (Pilot In Command, all aircraft), 4 hours (Last 90 days, all aircraft), 4 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft) |                                   |                 |

### Aircraft and Owner/Operator Information

|                               |                              |                                |                 |
|-------------------------------|------------------------------|--------------------------------|-----------------|
| Aircraft Make:                | Champion                     | Registration:                  | N2127C          |
| Model/Series:                 | 7GC No Series                | Aircraft Category:             | Airplane        |
| Year of Manufacture:          | 1959                         | Amateur Built:                 |                 |
| Airworthiness Certificate:    | Normal                       | Serial Number:                 | 7GC-50          |
| Landing Gear Type:            | Tailwheel                    | Seats:                         | 2               |
| Date/Type of Last Inspection: | July 11, 2018 Annual         | Certified Max Gross Wt.:       | 1650 lbs        |
| Time Since Last Inspection:   |                              | Engines:                       | 1 Reciprocating |
| Airframe Total Time:          | 2426 Hrs at time of accident | Engine Manufacturer:           | Lycoming        |
| ELT:                          | C91 installed, not activated | Engine Model/Series:           | O-290-D2B       |
| Registered Owner:             |                              | Rated Power:                   | 140 Horsepower  |
| Operator:                     | On file                      | Operating Certificate(s) Held: | None            |

## Meteorological Information and Flight Plan

|   |                                  |   |                   |
|---|----------------------------------|---|-------------------|
| <b>Conditions at Accident Site:</b>     | Visual (VMC)                     | <b>Condition of Light:</b>                  | Day               |
| <b>Observation Facility, Elevation:</b> | KLLQ,270 ft msl                  | <b>Distance from Accident Site:</b>         | 17 Nautical Miles |
| <b>Observation Time:</b>                | 16:53 Local                      | <b>Direction from Accident Site:</b>        | 75°               |
| <b>Lowest Cloud Condition:</b>          | Clear                            | <b>Visibility</b>                           | 10 miles          |
| <b>Lowest Ceiling:</b>                  | None                             | <b>Visibility (RVR):</b>                    |                   |
| <b>Wind Speed/Gusts:</b>                | 7 knots /                        | <b>Turbulence Type Forecast/Actual:</b>     | None / None       |
| <b>Wind Direction:</b>                  | 230°                             | <b>Turbulence Severity Forecast/Actual:</b> | N/A / N/A         |
| <b>Altimeter Setting:</b>               | 30.09 inches Hg                  | <b>Temperature/Dew Point:</b>               | 33°C / 26°C       |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |   |                   |
| <b>Departure Point:</b>                 | Carlisle, AR (4M3 )              | <b>Type of Flight Plan Filed:</b>           | None              |
| <b>Destination:</b>                     | Warren, AR (3M9 )                | <b>Type of Clearance:</b>                   | None              |
| <b>Departure Time:</b>                  | 10:45 Local                      | <b>Type of Airspace:</b>                    | Class G           |

## Airport Information

|                             |                 |                                  |           |
|-----------------------------|-----------------|----------------------------------|-----------|
| <b>Airport:</b>             | Warren Muni 3M9 | <b>Runway Surface Type:</b>      | Asphalt   |
| <b>Airport Elevation:</b>   | 235 ft msl      | <b>Runway Surface Condition:</b> | Dry       |
| <b>Runway Used:</b>         | 21              | <b>IFR Approach:</b>             | None      |
| <b>Runway Length/Width:</b> | 3829 ft / 75 ft | <b>VFR Approach/Landing:</b>     | Full stop |

## 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> | 33.564445,-92.081108(est) |

## Administrative Information

|  |   |
|--|---|
| <b>Investigator In Charge (IIC):</b>     | Swenson, Eric   |
| <b>Additional Participating Persons:</b> | Shane Benedetto; FAA; Little Rock, AR   |
| <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=97899">https://data.nts.gov/Docket?ProjectID=97899</a> |

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