



# Aviation Investigation Final Report

|                                |                                      |                         |             |
|--------------------------------|--------------------------------------|-------------------------|-------------|
| <b>Location:</b>               | Evansville, Indiana                  | <b>Accident Number:</b> | CEN22LA172  |
| <b>Date &amp; Time:</b>        | April 8, 2022, 14:25 Local           | <b>Registration:</b>    | N1040F      |
| <b>Aircraft:</b>               | Cessna A185F                         | <b>Aircraft Damage:</b> | Substantial |
| <b>Defining Event:</b>         | Loss of control on ground            | <b>Injuries:</b>        | 4 None      |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |             |

## Analysis

The pilot reported that as the airplane slowed down during the landing roll, he was unable to maintain directional control and the airplane ground looped to the right and the left wing struck the runway. The airplane sustained substantial damage to the left outboard wing. The pilot reported that there were no preaccident mechanical malfunctions or failures that would have precluded normal operation and that the accident may have been prevented if he had applied more left braking action.

## Probable Cause and Findings

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

The pilot did not maintain directional control during the landing roll resulting in a ground loop.

## Findings

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

## Factual Information

### History of Flight

|                |  |
|----------------|--|
| <b>Landing</b> | Loss of control on ground (Defining event) |
|----------------|--|

### Pilot Information

|                                  |  |  |                   |
|----------------------------------|--|--|-------------------|
| <b>Certificate:</b>              | Private  | <b>Age:</b>                              | 45, Male          |
| <b>Airplane Rating(s):</b>       | Single-engine land   | <b>Seat Occupied:</b>                    | Left              |
| <b>Other Aircraft Rating(s):</b> | None   | <b>Restraint Used:</b>                   | 3-point           |
| <b>Instrument Rating(s):</b>     | None   | <b>Second Pilot Present:</b>             | No                |
| <b>Instructor Rating(s):</b>     | None   | <b>Toxicology Performed:</b>             |                   |
| <b>Medical Certification:</b>    | Class 3 Without waivers/limitations  | <b>Last FAA Medical Exam:</b>            | December 17, 2021 |
| <b>Occupational Pilot:</b>       | No   | <b>Last Flight Review or Equivalent:</b> | January 24, 2022  |
| <b>Flight Time:</b>              | 139 hours (Total, all aircraft), 63 hours (Total, this make and model), 38 hours (Pilot In Command, all aircraft), 79 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft) |  |                   |

### Passenger Information

|                                  |    |  |          |
|----------------------------------|----|--|----------|
| <b>Certificate:</b>              |    | <b>Age:</b>                              | 43, Male |
| <b>Airplane Rating(s):</b>       |    | <b>Seat Occupied:</b>                    | Right    |
| <b>Other Aircraft Rating(s):</b> |    | <b>Restraint Used:</b>                   | 3-point  |
| <b>Instrument Rating(s):</b>     |    | <b>Second Pilot Present:</b>             | No       |
| <b>Instructor Rating(s):</b>     |    | <b>Toxicology Performed:</b>             |          |
| <b>Medical Certification:</b>    |    | <b>Last FAA Medical Exam:</b>            |          |
| <b>Occupational Pilot:</b>       | No | <b>Last Flight Review or Equivalent:</b> |          |
| <b>Flight Time:</b>              |    |  |          |

## Passenger Information

|                                  |    |  |          |
|----------------------------------|----|--|----------|
| <b>Certificate:</b>              |    | <b>Age:</b>                              | 11, Male |
| <b>Airplane Rating(s):</b>       |    | <b>Seat Occupied:</b>                    | Rear     |
| <b>Other Aircraft Rating(s):</b> |    | <b>Restraint Used:</b>                   | Lap only |
| <b>Instrument Rating(s):</b>     |    | <b>Second Pilot Present:</b>             | No       |
| <b>Instructor Rating(s):</b>     |    | <b>Toxicology Performed:</b>             |          |
| <b>Medical Certification:</b>    |    | <b>Last FAA Medical Exam:</b>            |          |
| <b>Occupational Pilot:</b>       | No | <b>Last Flight Review or Equivalent:</b> |          |
| <b>Flight Time:</b>              |    |  |          |

## Passenger Information

|                                  |    |  |            |
|----------------------------------|----|--|------------|
| <b>Certificate:</b>              |    | <b>Age:</b>                              | 43, Female |
| <b>Airplane Rating(s):</b>       |    | <b>Seat Occupied:</b>                    | Rear       |
| <b>Other Aircraft Rating(s):</b> |    | <b>Restraint Used:</b>                   | Lap only   |
| <b>Instrument Rating(s):</b>     |    | <b>Second Pilot Present:</b>             | No         |
| <b>Instructor Rating(s):</b>     |    | <b>Toxicology Performed:</b>             |            |
| <b>Medical Certification:</b>    |    | <b>Last FAA Medical Exam:</b>            |            |
| <b>Occupational Pilot:</b>       | No | <b>Last Flight Review or Equivalent:</b> |            |
| <b>Flight Time:</b>              |    |  |            |

## Aircraft and Owner/Operator Information

|                                      |                                |                                       |                 |
|--------------------------------------|--------------------------------|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | Cessna                         | <b>Registration:</b>                  | N1040F          |
| <b>Model/Series:</b>                 | A185F                          | <b>Aircraft Category:</b>             | Airplane        |
| <b>Year of Manufacture:</b>          | 1975                           | <b>Amateur Built:</b>                 |                 |
| <b>Airworthiness Certificate:</b>    | Normal                         | <b>Serial Number:</b>                 | 18502697        |
| <b>Landing Gear Type:</b>            | Tailwheel                      | <b>Seats:</b>                         | 5               |
| <b>Date/Type of Last Inspection:</b> | February 2, 2022 Annual        | <b>Certified Max Gross Wt.:</b>       | 3350 lbs        |
| <b>Time Since Last Inspection:</b>   |                                | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          | 5406 Hrs as of last inspection | <b>Engine Manufacturer:</b>           | CONT MOTOR      |
| <b>ELT:</b>                          | C126 installed, not activated  | <b>Engine Model/Series:</b>           | IO 550-D        |
| <b>Registered Owner:</b>             | AERO MIDDLETON LLC             | <b>Rated Power:</b>                   | 300 Horsepower  |
| <b>Operator:</b>                     | AERO MIDDLETON LLC             | <b>Operating Certificate(s) Held:</b> | 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> | KEVV,388 ft msl                  | <b>Distance from Accident Site:</b>         | 0 Nautical Miles |
| <b>Observation Time:</b>                | 13:54 Local                      | <b>Direction from Accident Site:</b>        | 62°              |
| <b>Lowest Cloud Condition:</b>          | Scattered / 4000 ft AGL          | <b>Visibility</b>                           | 10 miles         |
| <b>Lowest Ceiling:</b>                  | Broken / 6500 ft AGL             | <b>Visibility (RVR):</b>                    |                  |
| <b>Wind Speed/Gusts:</b>                | 12 knots / 18 knots              | <b>Turbulence Type Forecast/Actual:</b>     | None / None      |
| <b>Wind Direction:</b>                  | 310°                             | <b>Turbulence Severity Forecast/Actual:</b> | N/A / N/A        |
| <b>Altimeter Setting:</b>               | 29.79 inches Hg                  | <b>Temperature/Dew Point:</b>               | 7°C / -1°C       |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |   |                  |
| <b>Departure Point:</b>                 | Rogers, AR (ROG)                 | <b>Type of Flight Plan Filed:</b>           | None             |
| <b>Destination:</b>                     | Evansville, IN (EVV)             | <b>Type of Clearance:</b>                   | VFR              |
| <b>Departure Time:</b>                  | 12:08 Local                      | <b>Type of Airspace:</b>                    | Class C          |

## Airport Information

|                             |                                 |                                  |           |
|-----------------------------|---------------------------------|----------------------------------|-----------|
| <b>Airport:</b>             | Evansville Regional Airport EVV | <b>Runway Surface Type:</b>      | Asphalt   |
| <b>Airport Elevation:</b>   | 422 ft msl                      | <b>Runway Surface Condition:</b> | Dry       |
| <b>Runway Used:</b>         | 27                              | <b>IFR Approach:</b>             | None      |
| <b>Runway Length/Width:</b> | 3497 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> | 3 None | <b>Aircraft Fire:</b>       | None                    |
| <b>Ground Injuries:</b>    |        | <b>Aircraft Explosion:</b>  | None                    |
| <b>Total Injuries:</b>     | 4 None | <b>Latitude, Longitude:</b> | 38.040806,-87.5285(est) |

## Administrative Information

|  |   |
|--|---|
| <b>Investigator In Charge (IIC):</b>     | Folkerts, Michael   |
| <b>Additional Participating Persons:</b> | Terry Bryant; Flight Standards District Office; Indianapolis, IN  |
| <b>Original Publish Date:</b>            | July 1, 2022  |
| <b>Last Revision Date:</b>               |   |
| <b>Investigation Class:</b>              | <a href="#">Class 4</a>   |
| <b>Note:</b>                             | The NTSB did not travel to the scene of this accident.  |
| <b>Investigation Docket:</b>             | <a href="https://data.nts.gov/Docket?ProjectID=104930">https://data.nts.gov/Docket?ProjectID=104930</a> |

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