



# National Transportation Safety Board Aviation Accident Data Summary

|                                |                                       |                         |            |
|--------------------------------|---------------------------------------|-------------------------|------------|
| <b>Location:</b>               | Geneseo, IL                           | <b>Accident Number:</b> | CEN14CA365 |
| <b>Date &amp; Time:</b>        | 07/02/2014, CDT                       | <b>Registration:</b>    | N2209G     |
| <b>Aircraft:</b>               | CESSNA 182A                           | <b>Injuries:</b>        | 1 Minor    |
| <b>Flight Conducted Under:</b> | Part 91: General Aviation - Skydiving |                         |            |

## Analysis

The pilot was on final approach when the engine started to run out of fuel. She said her boss had a similar problem on a previous flight, and had to correct for it by pitching the nose up and down to force fuel into the fuel lines. The pilot recalled pitching the nose up and down but nothing after that. A witness, who saw the airplane pitching up and down several times before it impacted the ground, responded to the crash. He noted that the fuel selector was set to the "both" position and no fuel was leaking from either fuel tank's gas cap. When the airplane was righted, the witness said he saw several gallons of fuel drain from the left tank but not the right tank. When he visually checked the right fuel tank, it was empty. The left tank had about 9 gallons (about 6.5 gallons usable) still in the tank. A postaccident examination of the airplane by a Federal Aviation Administration inspector revealed the airplane sustained substantial damage to the firewall, forward engine mounts, right wing and vertical stabilizer and rudder. About 6 gallons of fuel was drained from the left wing tank and the right tank was empty. A review of the terrain where the airplane impacted the ground revealed the vegetation around the left tank was discolored from fuel, but the area around the right tank was not. No pre mishap mechanical discrepancies were noted with the engine or airplane that would have precluded normal operation.

## Flight Events

Approach-VFR pattern final - Fuel exhaustion

## Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's mismanagement of the available fuel supply, which resulted in a loss of engine power due to fuel exhaustion.

## Findings

Aircraft-Fluids/misc hardware-Fluids-Fuel-Fluid management - C

Personnel issues-Action/decision-Info processing/decision-Decision making/judgment-Pilot - C

## Pilot Information

|                                  |                                       |                              |          |
|----------------------------------|---------------------------------------|------------------------------|----------|
| <b>Certificate:</b>              | Commercial                            | <b>Age:</b>                  | 21       |
| <b>Airplane Rating(s):</b>       | Multi-engine Land; Single-engine Land | <b>Instrument Rating(s):</b> | Airplane |
| <b>Other Aircraft Rating(s):</b> | None                                  | <b>Instructor Rating(s):</b> | None     |
| <b>Flight Time:</b>              | 233 hours (Total, all aircraft)       |                              |          |

## Aircraft and Owner/Operator Information

|                                    |                                       |                      |                 |
|------------------------------------|---------------------------------------|----------------------|-----------------|
| Aircraft Manufacturer:             | CESSNA                                | Registration:        | N2209G          |
| Model/Series:                      | 182A A                                | Engines:             | 1 Reciprocating |
| Operator:                          | QUAD CITY SKYDIVING CENTER INC        | Engine Manufacturer: | CONT MOTOR      |
| Air Carrier Operating Certificate: | None                                  | Engine Model/Series: | O-470 SERIES    |
| Flight Conducted Under:            | Part 91: General Aviation - Skydiving |                      |                 |

## Meteorological Information and Flight Plan

|                                  |                   |                              |                   |
|----------------------------------|-------------------|------------------------------|-------------------|
| Observation Facility, Elevation: |                   | Weather Information Source:  | Unknown           |
| Conditions at Accident Site:     | Visual Conditions | Lowest Ceiling:              |                   |
| Condition of Light:              | Day               | Wind Speed/Gusts, Direction: |                   |
| Temperature:                     |                   | Visibility:                  |                   |
| Precipitation and Obscuration:   |                   |                              |                   |
| Departure Point:                 | Geneseo, IL (3G8) | Destination:                 | Geneseo, IL (3G8) |

## Airport Information

|                      |                       |                           |            |
|----------------------|-----------------------|---------------------------|------------|
| Airport:             | Geneseo Airpark (3G8) | Runway Surface Type:      | Grass/turf |
| Runway Used:         | 27                    | Runway Surface Condition: |            |
| Runway Length/Width: | 2568 ft / 120 ft      |                           |            |

## Wreckage and Impact Information

|                     |         |                     |             |
|---------------------|---------|---------------------|-------------|
| Crew Injuries:      | 1 Minor | Aircraft Damage:    | Substantial |
| Passenger Injuries: | N/A     | Aircraft Fire:      | None        |
| Ground Injuries:    | N/A     | Aircraft Explosion: | None        |

## Administrative Information

|                               |   |               |            |
|-------------------------------|---|---------------|------------|
| Investigator In Charge (IIC): | Leah D Yeager   | Adopted Date: | 09/24/2014 |
| Note:                         | This accident report documents the factual circumstances of this accident as described to the NTSB.                             |               |            |
| Investigation Docket:         | <a href="http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89668">http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=89668</a> |               |            |

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