



National Transportation Safety Board Aviation Accident Final Report

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|--------------------------------|----------------------|-------------------------|-------------|
| Location: | Warrensburg, MO | Accident Number: | CEN11CA104 |
| Date & Time: | 12/02/2010, 1200 CST | Registration: | N465CM |
| Aircraft: | CESSNA 172R | Aircraft Damage: | Substantial |
| Defining Event: | Hard landing | Injuries: | N/A |
| Flight Conducted Under: | Unknown | | |

Analysis

The airplane was being operated as a training airplane in a university aviation program when substantial damage, consistent with a hard landing, was discovered during a maintenance inspection. The lower portion of the engine firewall, nose landing gear/firewall doubler, and floor pans near fuselage station 30 were damaged. There were no other mechanical anomalies noted that would have precluded normal aircraft operation. The time of the accident and the identification of the pilot(s) are unknown.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A hard landing for undetermined reasons.

Findings

| | |
|----------------|---|
| Not determined | Not determined - Unknown/Not determined (Cause) |
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Factual Information

History of Flight

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|-------------------------|-------------------------------|
| Landing-flare/touchdown | Hard landing (Defining event) |
|-------------------------|-------------------------------|

Pilot Information

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|--------------|------|------|----|
| Certificate: | None | Age: | 99 |
|--------------|------|------|----|

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|---------------------|------|----------------|--|
| Airplane Rating(s): | None | Seat Occupied: | |
|---------------------|------|----------------|--|

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|---------------------------|------|-----------------|--|
| Other Aircraft Rating(s): | None | Restraint Used: | |
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|-----------------------|------|-----------------------|--|
| Instrument Rating(s): | None | Second Pilot Present: | |
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| Instructor Rating(s): | None | Toxicology Performed: | |
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|------------------------|---------|--------------------|--|
| Medical Certification: | Unknown | Last Medical Exam: | |
|------------------------|---------|--------------------|--|

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|---------------------|--|-----------------------------------|--|
| Occupational Pilot: | | Last Flight Review or Equivalent: | |
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| Flight Time: | 0 hours (Total, all aircraft), 0 hours (Total, this make and model) | | |
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Aircraft and Owner/Operator Information

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|------------------------|--------|---------------|--------|
| Aircraft Manufacturer: | CESSNA | Registration: | N465CM |
|------------------------|--------|---------------|--------|

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|---------------|------|--------------------|----------|
| Model/Series: | 172R | Aircraft Category: | Airplane |
|---------------|------|--------------------|----------|

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|----------------------|--|----------------|----|
| Year of Manufacture: | | Amateur Built: | No |
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|----------------------------|-----------------|----------------|----------|
| Airworthiness Certificate: | Normal; Utility | Serial Number: | 17280857 |
|----------------------------|-----------------|----------------|----------|

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|--------------------|----------|--------|--|
| Landing Gear Type: | Tricycle | Seats: | |
|--------------------|----------|--------|--|

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|-------------------------------|--------------------------------------|--------------------------|--|
| Date/Type of Last Inspection: | 11/02/2010, Continuous Airworthiness | Certified Max Gross Wt.: | |
|-------------------------------|--------------------------------------|--------------------------|--|

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|-----------------------------|--|----------|-----------------|
| Time Since Last Inspection: | | Engines: | 1 Reciprocating |
|-----------------------------|--|----------|-----------------|

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|----------------------|------------|----------------------|----------|
| Airframe Total Time: | 5101 Hours | Engine Manufacturer: | Lycoming |
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|------|--------------------------|----------------------|------------|
| ELT: | Installed, not activated | Engine Model/Series: | IO-360-L2A |
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|-------------------|--------------------------------|--------------|--------|
| Registered Owner: | Univeristy of Central Missouri | Rated Power: | 160 hp |
|-------------------|--------------------------------|--------------|--------|

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|-----------|--------------------------------|------------------------------------|------|
| Operator: | Univeristy of Central Missouri | Air Carrier Operating Certificate: | None |
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Meteorological Information and Flight Plan

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|----------------------------------|-----------------|------------------------------|-------------------|
| Observation Facility, Elevation: | | Observation Time: | |
| Distance from Accident Site: | | Condition of Light: | Not Reported |
| Direction from Accident Site: | | Conditions at Accident Site: | Visual Conditions |
| Lowest Cloud Condition: | | Temperature/Dew Point: | |
| Lowest Ceiling: | | Visibility | |
| Wind Speed/Gusts, Direction: | | Visibility (RVR): | |
| Altimeter Setting: | | Visibility (RVV): | |
| Precipitation and Obscuration: | | | |
| Departure Point: | Unknown, MO | Type of Flight Plan Filed: | Unknown |
| Destination: | Warrensburg, MO | Type of Clearance: | Unknown |
| Departure Time: | | Type of Airspace: | |

Airport Information

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|----------------------|------------------------|---------------------------|---------|
| Airport: | Skyhaven Airport (RCM) | Runway Surface Type: | |
| Airport Elevation: | | Runway Surface Condition: | |
| Runway Used: | N/A | IFR Approach: | Unknown |
| Runway Length/Width: | | VFR Approach/Landing: | Unknown |

Wreckage and Impact Information

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

Administrative Information

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|-----------------------------------|---|---------------|------------|
| Investigator In Charge (IIC): | Mitchell F Gallo | Adopted Date: | 05/16/2011 |
| Additional Participating Persons: | | | |
| Publish Date: | 05/16/2011 | | |
| Note: | This accident report documents the factual circumstances of this accident as described to the NTSB. | | |
| Investigation Docket: | http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=77978 | | |

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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