



# Aviation Investigation Final Report

|                                |                                      |                         |                    |
|--------------------------------|--------------------------------------|-------------------------|--------------------|
| <b>Location:</b>               | SEDONA, Arizona                      | <b>Accident Number:</b> | LAX91LA238         |
| <b>Date &amp; Time:</b>        | June 2, 1991, 09:30 Local            | <b>Registration:</b>    | N8527E             |
| <b>Aircraft:</b>               | BELLANCA 7FC                         | <b>Aircraft Damage:</b> | Destroyed          |
| <b>Defining Event:</b>         |                                      | <b>Injuries:</b>        | 1 Serious, 1 Minor |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |                    |

## Analysis

THE PILOT REPORTED THAT IN CLEAR SKY CONDITIONS HE CLIMBED TO 6,500 FEET MSL, AND THEN LEANED THE ENGINE'S MIXTURE. SUDDENLY, ALL ENGINE POWER WAS LOST. THE PILOT STATED THAT HE WAS FAMILIAR WITH CARBURETOR ICE AND THE POWER LOSS EVENT WAS NOT CONSISTENT WITH CARBURETOR ICE. THE PILOT STATED THAT DESPITE ALL OF HIS EFFORTS HE WAS UNABLE TO RESTART THE ENGINE. THE PILOT MADE A FORCED LANDING AND DURING ROLLOUT THE AIRPLANE COLLIDED WITH A BERM. THE POST-IMPACT EXAMINATION OF THE AIRFRAME AND ENGINE FAILED TO PRODUCE EVIDENCE OF A MECHANICAL REASON FOR THE ENGINE'S SUDDEN STOPPAGE.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE TOTAL LOSS OF ENGINE POWER FOR UNDETERMINED REASONS RESULTING IN A FORCED LANDING AND ON GROUND COLLISION WITH A BERM.

## Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL  
Phase of Operation: CRUISE - NORMAL

### Findings

1. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING  
Phase of Operation: DESCENT - EMERGENCY

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Occurrence #3: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER  
Phase of Operation: LANDING - ROLL

Findings

2. TERRAIN CONDITION - ROUGH/UNEVEN
3. TERRAIN CONDITION - BERM

## Factual Information

### Pilot Information

|                                  |  |  |              |
|----------------------------------|--|--|--------------|
| <b>Certificate:</b>              | Private  | <b>Age:</b>                              | 45, Male     |
| <b>Airplane Rating(s):</b>       | Single-engine land   | <b>Seat Occupied:</b>                    | Unknown      |
| <b>Other Aircraft Rating(s):</b> | None   | <b>Restraint Used:</b>                   |              |
| <b>Instrument Rating(s):</b>     | None   | <b>Second Pilot Present:</b>             | No           |
| <b>Instructor Rating(s):</b>     |  | <b>Toxicology Performed:</b>             | No           |
| <b>Medical Certification:</b>    | Class 3 Valid Medical--no waivers/lim.                                 | <b>Last FAA Medical Exam:</b>            | June 6, 1990 |
| <b>Occupational Pilot:</b>       | UNK  | <b>Last Flight Review or Equivalent:</b> |              |
| <b>Flight Time:</b>              | 288 hours (Total, all aircraft), 69 hours (Total, this make and model) |  |              |

### Aircraft and Owner/Operator Information

|                                      |                          |                                       |                 |
|--------------------------------------|--------------------------|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | BELLANCA                 | <b>Registration:</b>                  | N8527E          |
| <b>Model/Series:</b>                 | 7FC 7FC                  | <b>Aircraft Category:</b>             | Airplane        |
| <b>Year of Manufacture:</b>          |                          | <b>Amateur Built:</b>                 |                 |
| <b>Airworthiness Certificate:</b>    |                          | <b>Serial Number:</b>                 | 336             |
| <b>Landing Gear Type:</b>            | Tailwheel                | <b>Seats:</b>                         | 2               |
| <b>Date/Type of Last Inspection:</b> | January 2, 2000 Unknown  | <b>Certified Max Gross Wt.:</b>       | 1450 lbs        |
| <b>Time Since Last Inspection:</b>   |                          | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          |                          | <b>Engine Manufacturer:</b>           | CONTINENTAL     |
| <b>ELT:</b>                          | Installed, not activated | <b>Engine Model/Series:</b>           | C-90F           |
| <b>Registered Owner:</b>             |                          | <b>Rated Power:</b>                   | 95 Horsepower   |
| <b>Operator:</b>                     | CAVU FLYING CLUB         | <b>Operating Certificate(s) Held:</b> | None            |
| <b>Operator Does Business As:</b>    |                          | <b>Operator Designator Code:</b>      |                 |

## Meteorological Information and Flight Plan

|   |                                  |   |          |
|---|----------------------------------|---|----------|
| <b>Conditions at Accident Site:</b>     | Visual (VMC)                     | <b>Condition of Light:</b>                  | Day      |
| <b>Observation Facility, Elevation:</b> |                                  | <b>Distance from Accident Site:</b>         |          |
| <b>Observation Time:</b>                |                                  | <b>Direction from Accident Site:</b>        |          |
| <b>Lowest Cloud Condition:</b>          | Clear                            | <b>Visibility</b>                           | 50 miles |
| <b>Lowest Ceiling:</b>                  | None                             | <b>Visibility (RVR):</b>                    |          |
| <b>Wind Speed/Gusts:</b>                | /                                | <b>Turbulence Type Forecast/Actual:</b>     | /        |
| <b>Wind Direction:</b>                  | 0°                               | <b>Turbulence Severity Forecast/Actual:</b> | /        |
| <b>Altimeter Setting:</b>               |                                  | <b>Temperature/Dew Point:</b>               |          |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |   |          |
| <b>Departure Point:</b>                 |                                  | <b>Type of Flight Plan Filed:</b>           | None     |
| <b>Destination:</b>                     |                                  | <b>Type of Clearance:</b>                   | None     |
| <b>Departure Time:</b>                  | 00:00 Local                      | <b>Type of Airspace:</b>                    | Special  |

## Airport Information

|                             |   |                                  |                |
|-----------------------------|---|----------------------------------|----------------|
| <b>Airport:</b>             |   | <b>Runway Surface Type:</b>      |                |
| <b>Airport Elevation:</b>   |   | <b>Runway Surface Condition:</b> |                |
| <b>Runway Used:</b>         | 0 | <b>IFR Approach:</b>             | None           |
| <b>Runway Length/Width:</b> |   | <b>VFR Approach/Landing:</b>     | Forced landing |

## Wreckage and Impact Information

|                            |                    |                             |           |
|----------------------------|--------------------|-----------------------------|-----------|
| <b>Crew Injuries:</b>      | 1 Serious          | <b>Aircraft Damage:</b>     | Destroyed |
| <b>Passenger Injuries:</b> | 1 Minor            | <b>Aircraft Fire:</b>       | None      |
| <b>Ground Injuries:</b>    | N/A                | <b>Aircraft Explosion:</b>  | None      |
| <b>Total Injuries:</b>     | 1 Serious, 1 Minor | <b>Latitude, Longitude:</b> |           |

## Administrative Information

|  |   |
|--|---|
| <b>Investigator In Charge (IIC):</b>     | Pollack, Wayne  |
| <b>Additional Participating Persons:</b> | PAUL TEXTER; SCOTTSDALE , AZ  |
| <b>Original Publish Date:</b>            | May 7, 1993   |
| <b>Last Revision Date:</b>               |   |
| <b>Investigation Class:</b>              | <a href="#">Class</a>   |
| <b>Note:</b>                             |   |
| <b>Investigation Docket:</b>             | <a href="https://data.ntsb.gov/Docket?ProjectID=27228">https://data.ntsb.gov/Docket?ProjectID=27228</a> |

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