



# Aviation Investigation Final Report

<b>Location:</b>	WINEAR, Idaho	<b>Accident Number:</b>	SEA83LA105
<b>Date &amp; Time:</b>	May 23, 1983, 11:00 Local	<b>Registration:</b>	N7778V
<b>Aircraft:</b>	CALLAIR                      A-9B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 137: Agricultural		

## Analysis

THE ACFT COLLIDED WITH A FENCE DURING AN OFF AIRPORT FORCED LANDING. THE PILOT WAS COMPLETING AN AERIAL APPLICATION PASS & WHEN THE LOW FUEL WARNING LIGHT CAME ON THE PILOT SWITCHED TANKS & TURNED ON FUEL BOOSTER. THE ENGINE QUIT AT ABOUT 200 FEET AGL. INVESTIGATION REVEALED SLIGHTLY LESS THAN 3 1/2 GALLONS OF FUEL PER TANK. THE OPERATORS MANUAL STATES THAT THE LAST 3 1/2 GALLONS OF FUEL MAY NOT BE USEABLE DURING STEEP TURNS.

## Probable Cause and Findings

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

### Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL  
Phase of Operation: MANEUVERING - TURN TO LANDING AREA (EMERGENCY)

#### Findings

1. (C) FUEL SUPPLY - MISJUDGED - PILOT IN COMMAND
  2. (C) PREFLIGHT PLANNING/PREPARATION - INACCURATE - PILOT IN COMMAND
  3. (C) IN-FLIGHT PLANNING/DECISION - INADEQUATE - PILOT IN COMMAND
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Occurrence #2: FORCED LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN  
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Occurrence #3: IN FLIGHT COLLISION WITH OBJECT  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) OBJECT - FENCE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Front
<b>Other Aircraft Rating(s):</b>		<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>		<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 2 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	April 26, 1983
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	657 hours (Total, all aircraft), 14 hours (Total, this make and model), 547 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft), 14 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CALLAIR	<b>Registration:</b>	N7778V
<b>Model/Series:</b>	A-9B A-9B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Restricted (Special)	<b>Serial Number:</b>	1531
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	1
<b>Date/Type of Last Inspection:</b>	April 6, 1983 100 hour	<b>Certified Max Gross Wt.:</b>	3000 lbs
<b>Time Since Last Inspection:</b>	20 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	1800 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	IO-540-01C5
<b>Registered Owner:</b>	A. A. BIGGS	<b>Rated Power:</b>	290 Horsepower
<b>Operator:</b>	PRESTON FLYING SERVICE	<b>Operating Certificate(s) Held:</b>	
<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>	BYI ,4800 ft msl	<b>Distance from Accident Site:</b>	72 Nautical Miles
<b>Observation Time:</b>	10:55 Local	<b>Direction from Accident Site:</b>	290°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	30 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	5 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	20°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	19°C / 6°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	PRESTON , ID (U10 )	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>	WINEAR , ID	<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>		<b>Runway Surface Type:</b>	Dirt
<b>Airport Elevation:</b>		<b>Runway Surface Condition:</b>	Dry
<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 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>	42.200489,-111.739242(est)

## Administrative Information

**Investigator In Charge (IIC):** Carrera, Candace

**Additional Participating Persons:**

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=39696>

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