



# Aviation Investigation Final Report

<b>Location:</b>	PORT TOWNSEND, Washington	<b>Accident Number:</b>	SEA89LA037
<b>Date &amp; Time:</b>	January 22, 1989, 13:00 Local	<b>Registration:</b>	N2582F
<b>Aircraft:</b>	CHAMPION                      7ECA	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	2 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Personal		

## Analysis

THE PLT SIDE-SLIPPED THE AIRPLANE DURING THE LANDING APPROACH. A SINK RATE DEVELOPED WHICH THE PLT WAS UNABLE TO ARREST WITH POWER AND FLARE. THE AIRPLANE WAS LANDED HARD.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPROPER APPROACH AND FLARE TECHNIQUE ON THE PART OF THE PILOT, RESULTING IN A HARD LANDING. CONTRIBUTING TO THE ACCIDENT WERE TALL TREES SURROUNDING THE AIRSTRIP.

## Findings

Occurrence #1: HARD LANDING  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

### Findings

1. (F) TERRAIN CONDITION - HIGH OBSTRUCTION(S)
2. (C) AIRCRAFT HANDLING - NOT PERFORMED - PILOT IN COMMAND
3. (C) FLARE - IMPROPER - PILOT IN COMMAND

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Occurrence #2: MAIN GEAR COLLAPSED  
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. LANDING GEAR,MAIN GEAR - OVERLOAD

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	40, Male
<b>Airplane Rating(s):</b>	Single-engine land	<b>Seat Occupied:</b>	Front
<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>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Unknown Unknown	<b>Last FAA Medical Exam:</b>	June 10, 1988
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	255 hours (Total, all aircraft), 128 hours (Total, this make and model)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CHAMPION	<b>Registration:</b>	N2582F
<b>Model/Series:</b>	7ECA 7ECA	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Aerobatic	<b>Serial Number:</b>	213
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	July 2, 1988 Annual	<b>Certified Max Gross Wt.:</b>	1650 lbs
<b>Time Since Last Inspection:</b>	24 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	2150 Hrs	<b>Engine Manufacturer:</b>	LYCOMING
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	O-320-A1B
<b>Registered Owner:</b>	JAMES L. NODELL	<b>Rated Power:</b>	150 Horsepower
<b>Operator:</b>		<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>	PAE ,606 ft msl	<b>Distance from Accident Site:</b>	22 Nautical Miles
<b>Observation Time:</b>	12:45 Local	<b>Direction from Accident Site:</b>	90°
<b>Lowest Cloud Condition:</b>	Scattered / 600 ft AGL	<b>Visibility</b>	20 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	4 knots /	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	260°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	30 inches Hg	<b>Temperature/Dew Point:</b>	3°C
<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>	12:50 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>		<b>Runway Surface Type:</b>	Grass/turf
<b>Airport Elevation:</b>	400 ft msl	<b>Runway Surface Condition:</b>	Wet
<b>Runway Used:</b>	36	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	4350 ft / 80 ft	<b>VFR Approach/Landing:</b>	Full stop;Traffic pattern

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>	1 None	<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	2 None	<b>Latitude, Longitude:</b>	48.030605,-122.840065(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Daily jr., H.
<b>Additional Participating Persons:</b>	HAROLD HUTCHINS; SEATTLE , WA
<b>Original Publish Date:</b>	September 28, 1990
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=40972">https://data.nts.gov/Docket?ProjectID=40972</a>

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