



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	TONTO BASIN, CA	<b>Accident Number:</b>	LAX91LA048
<b>Date &amp; Time:</b>	12/02/1990, 1640 MST	<b>Registration:</b>	N8655Z
<b>Aircraft:</b>	CESSNA T-206	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	3 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

WHILE FLYING A 9,500 FT MSL THE PILOT, ALSO THE REGISTERED OWNER, OBSERVED AN INCREASE IN OIL TEMPERATURE FOLLOWED BY A DECREASE IN OIL PRESSURE. MOMENTS LATER OIL SMOKE EMANATED FROM THE ENGINE COMPARTMENT FOLLOWED BY A TOTAL LOSS OF ENGINE POWER. THE SUN BLINDED THE PILOT WHILE ON APPROACH TO A DIRT STRIP AND WHEN HE WAS ABLE TO SEE THE DIRT STRIP THE AIRPLANE'S ALTITUDE WAS INSUFFICIENT TO NEGOTIATE A LANDING ON THE STRIP. THE PLT ELECTED TO LAND IN AN ADJACENT OPEN AREA. DURING THE LANDING ROLL-OUT THE AIRPLANE'S LEFT WING STRUCK A BARN. ENGINE EXAM DSCLSD THE NO. 3 CONNECTING ROD FAILED AND ITS ASSOCIATED BEARING EXHIBITED EXTREME HIGH TEMP DISTRESS. DURING THE LAST ANNUAL INSP THE OIL ANALYSIS SHOWED HIGH CONCENTRATION OF IRON AND STEEL.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FAILURE OF A CONNECTING ROD IN THE ENGINE.

## Findings

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Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - MECH FAILURE/MALF  
Phase of Operation: CRUISE - NORMAL

### Findings

1. SINGLE ENGINE AIRCRAFT
2. (C) ENGINE ASSEMBLY,CONNECTING ROD BOLT - FAILURE,TOTAL
3. (F) FLUID,OIL - STARVATION

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

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Occurrence #3: ON GROUND/WATER COLLISION WITH OBJECT  
Phase of Operation: LANDING - ROLL

### Findings

4. OBJECT - BUILDING(NONRESIDENTIAL)

## 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>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<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>	Class 3 Valid Medical--no waivers/lim.	<b>Last FAA Medical Exam:</b>	12/22/1989
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	650 hours (Total, all aircraft), 330 hours (Total, this make and model), 650 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N8655Z
<b>Model/Series:</b>	T-206 T-206	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	P-2060455
<b>Landing Gear Type:</b>	Tricycle	<b>Seats:</b>	6
<b>Date/Type of Last Inspection:</b>	12/22/1989, Annual	<b>Certified Max Gross Wt.:</b>	3600 lbs
<b>Time Since Last Inspection:</b>	78 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	TSIO-520-C
<b>Registered Owner:</b>	RONALD PAGANI	<b>Rated Power:</b>	285 hp
<b>Operator:</b>	PAGANI, RONALD	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	-18°C / -18°C
Precipitation and Obscuration:			
Departure Point:	PHOENIX, AZ (PHX)	Type of Flight Plan Filed:	None
Destination:	SHOW LOW, AZ (SOW)	Type of Clearance:	VFR
Departure Time:	1600 MST	Type of Airspace:	

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	A.D. LLORENTE	Report Date:	12/30/1992
Additional Participating Persons:			
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinquiry@ntsb.gov">pubinquiry@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).