



National Transportation Safety Board Aviation Accident Data Summary

Location:	COOL, CA	Accident Number:	LAX89LA298
Date & Time:	09/01/1989, 1038 PDT	Registration:	N97628
Aircraft:	STINSON 108	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

WHILE CLIMBING TO CRUISE ALTITUDE, THE ENGINE SUSTAINED A LOSS OF POWER. UNABLE TO MAINTAIN ALTITUDE, THE PILOT ELECTED TO LAND ON AN ACCESS ROAD. THE LANDING WAS UNEVENTFUL, BUT DURING THE LANDING ROLL-OUT, THE LEFT WHEEL PANT STRUCK A ROAD MARKER. THE AIRPLANE THEN YAWED TO THE LEFT, EXITED THE ROADWAY, AND WENT THRU A BARBED WIRE FENCE AND ONTO A DIRT FIELD. AN ENGINE EXAMINATION DISCLOSED THE #2 PISTON WAS DESTROYED. THE PISTON WAS NOT IDENTIFIED AS BEING THE CORRECT ONE FOR THE ENGINE. THE ENGINE HAD ACCRUED 145 HOURS SINCE MAJOR OVERHAUL. THE OVERHAUL WAS PERFORMED BY AN A&P MECHANIC.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: FAILURE OF THE #2 PISTON. FAILURE OF THE MECHANIC TO PROPERLY OVERHAUL THE ENGINE WAS A RELATED FACTOR.

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - MECH FAILURE/MALF
Phase of Operation: CLIMB - TO CRUISE

Findings

1. (C) MAINTENANCE, OVERHAUL, MAJOR - IMPROPER - OTHER MAINTENANCE PERSONNEL
2. (C) ENGINE ASSEMBLY, PISTON - FAILURE, TOTAL

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

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

Findings

3. OBJECT - SIGN
4. OBJECT - FENCE

Pilot Information

Certificate:	Private	Age:	26
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	305 hours (Total, all aircraft), 100 hours (Total, this make and model), 264 hours (Pilot In Command, all aircraft), 25 hours (Last 90 days, all aircraft), 15 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	STINSON	Registration:	N97628
Model/Series:	108 108	Engines:	1 Reciprocating
Operator:	CASSEN, GARY A.	Engine Manufacturer:	FRANKLIN
Operating Certificate(s) Held:	None	Engine Model/Series:	6A4-165
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Pilot
Lowest Ceiling:	None / 0 ft agl	Wind Speed/Gusts, Direction:	10 knots / , 360°
Temperature:	27° C	Visibility	50 Miles
Precipitation and Obscuration:			
Departure Point:	AUBURN, CA (AUN)	Destination:	GEORGETOWN, CA (Q61)

Airport Information

Airport:	AUBURN (001)	Runway Surface Type:	
Runway Used:	0	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC): A. D LLORENTE

Adopted Date: 06/16/1992

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 pubinq@ntsb.gov, or at 800-877-6799. Dockets released after this date are available at <http://dms.nts.gov/pubdms/>.

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