



National Transportation Safety Board Aviation Accident Data Summary

Location:	CARPINTERIA, CA	Accident Number:	LAX85LA378
Date & Time:	09/01/1985, 1021 PDT	Registration:	N9782K
Aircraft:	STINSON 108-2	Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

DURING A X-C PLEASURE FLT ALL ENG PWR WAS SUDDENLY LOST WHEN THE PLT HEARD A 'LOUD BANG.' THE PLT MADE AN EMERGENCY LDG ON A POLO FIELD. DURING LDG FLARE THE PLT STALLED THE ACFT. THE RESULTING HARD TOUCHDOWN SUBSTANTIALLY DAMAGED THE ACFT. EXAM OF THE ACFT'S FRANKLIN ENG REVEALED A HOLE IN THE ENGINE'S ACCESSORY CASE. THE ENGINE'S CRANKSHAFT GEAR WAS MISSING. THE FAILURE OF THIS GEAR CONTRIBUTED TO CAUSING OTHER INTERNAL DAMAGE. IT IS UNKNOWN WHETHER THE CRANKSHAFT GEAR WAS THE PRIMARY COMPONENT TO FAIL. THE ENG HAD ACCUMULATED 2620 TOTAL HRS & 520 SMOH.

Probable Cause

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

Findings

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

Findings

1. (F) ACCESSORY DRIVE ASSY - FAILURE, TOTAL
2. (C) REASON FOR OCCURRENCE UNDETERMINED

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT

Occurrence #3: HARD LANDING
Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

3. (C) FLARE - MISJUDGED - PILOT IN COMMAND
4. (C) STALL - INADVERTENT - PILOT IN COMMAND

Pilot Information

Certificate:	Commercial	Age:	34
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	390 hours (Total, all aircraft), 23 hours (Total, this make and model), 242 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	STINSON	Registration:	N9782K
Model/Series:	108-2 108-2	Engines:	1 Reciprocating
Operator:	PATRICK D. WOODRUFF	Engine Manufacturer:	FRANKLIN
Operating Certificate(s) Held:	None	Engine Model/Series:	6A4165-B3
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:	Calm / ,
Temperature:	24° C	Visibility	20 Miles
Precipitation and Obscuration:			
Departure Point:	REDLANDS, CA (L12)	Destination:	SANTA BARBARA, CA (SBA)

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	WAYNE POLLACK	Adopted 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 pubin@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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