



National Transportation Safety Board Aviation Accident Final Report

Location:	BAKERSFIELD, CA	Accident Number:	LAX85LA161
Date & Time:	03/01/1985, 1015 PST	Registration:	N89716
Aircraft:	CESSNA 152	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None

Flight Conducted Under: Part 91: General Aviation - Instructional

Analysis

DURING AN AUTHORIZED LOCAL SOLO PRACTICE FLT, THE 31-HOUR STUDENT WAS PERFORMING TAKEOFFS AND LANDING. ACCORDING TO PLT, SECOND LANDING WAS 'HARD' AND A NOSE WHEEL SHIMMY WAS NOTED DURING THE TAXI-BACK FOR TAKEOFF. JUST BEFORE LIFTOFF ON THE NEXT TAKEOFF, THE ACFT VEERED SHARPLY TO THE LEFT OFF THE RUNWAY, CROSSED A TAXIWAY AND COLLIDED WITH AN EMBANKMENT OF DRYING PISTACHIO HULLS ARRANGED PARALLEL TO THE TAXIWAY. PLT STATED THAT THERE WAS NO MECHANICAL MALFUNCTION OF THE ACFT.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (C) PROPER ALIGNMENT - NOT MAINTAINED - PILOT IN COMMAND
2. (C) GROUND LOOP/SWERVE - UNCONTROLLED - PILOT IN COMMAND
3. (C) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

4. (C) TERRAIN CONDITION - DIRT BANK/RISING EMBANKMENT

Factual Information

Pilot Information

Certificate:	Student	Age:	42, Male
Airplane Rating(s):	None	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	06/29/1984
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	34 hours (Total, all aircraft), 34 hours (Total, this make and model), 9 hours (Pilot In Command, all aircraft), 11 hours (Last 90 days, all aircraft), 5 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N89716
Model/Series:	152 152	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	15282837
Landing Gear Type:	Tricycle	Seats:	2
Date/Type of Last Inspection:	11/06/1984, 100 Hour	Certified Max Gross Wt.:	1670 lbs
Time Since Last Inspection:	72 Hours	Engines:	1 Reciprocating
Airframe Total Time:	1580 Hours	Engine Manufacturer:	LYCOMING
ELT:	Not installed	Engine Model/Series:	O-235-L2C
Registered Owner:	SIERRA FLITE SERVICE	Rated Power:	110 hp
Operator:	SIERRA FLITE SERVICE	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	BFL, 490 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	0953 PST	Direction from Accident Site:	152°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	6 Miles
Lowest Ceiling:	Broken / 25000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	310°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	18° C / 6° C
Precipitation and Obscuration:			
Departure Point:	BAKERSFIELD, CA (BFL)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0945 PST	Type of Airspace:	Class G

Airport Information

Airport:	POSO KERN COUNTY (L73)	Runway Surface Type:	Asphalt
Airport Elevation:	635 ft	Runway Surface Condition:	Dry
Runway Used:	34	IFR Approach:	None
Runway Length/Width:	3000 ft / 60 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

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
Total Injuries:	1 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	JEFF RICH	Report Date:	
Additional Participating Persons:	LARRY R PERKINS; FRESNO, CA		
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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](#).