



National Transportation Safety Board Aviation Accident Data Summary

Location:	PHOENIX, AZ	Accident Number:	LAX04LA119
Date & Time:	02/06/2004, 1645 MST	Registration:	N2462X
Aircraft:	Cessna 182S	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

The airplane landed hard and porpoised down the runway. The pilot reported that after a normal approach and touchdown on runway 25R, the nose gear collapsed and the airplane veered off the runway and nosed over. A certified flight instructor in the traffic pattern behind and above the accident airplane observed the accident sequence. He reported that the accident airplane appeared fast and was not on a stabilized approach. After the airplane touched down, it began to porpoise, with each oscillation getting larger. A mechanic stated that there was no evidence of preimpact mechanical malfunctions or failures with the airplane. He said the airplane appeared to have sustained a hard landing.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: the pilot's misjudged landing flare, which led to a hard touchdown and a porpoise.

Findings

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

Findings

1. (C) FLARE - MISJUDGED - PILOT IN COMMAND
2. (C) PORPOISE/PILOT-INDUCED OSCILLATION - NOT CORRECTED - PILOT IN COMMAND

Occurrence #2: NOSE GEAR COLLAPSED
Phase of Operation: LANDING - ROLL

Findings

3. LANDING GEAR, NOSE GEAR STRUT - OVERLOAD

Occurrence #3: NOSE OVER
Phase of Operation: LANDING - ROLL

Pilot Information

Certificate:	Private	Age:	58
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	103 hours (Total, all aircraft), 8 hours (Total, this make and model), 7 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N2462X
Model/Series:	182S	Engines:	1 Reciprocating
Operator:	Westwind Aeronautics	Engine Manufacturer:	Lycoming
Operating Certificate(s) Held:	None	Engine Model/Series:	IO-540-A131A5
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:	DVT, 1476 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	8 knots / , 250°
Temperature:	16°C	Visibility	10 Miles
Precipitation and Obscuration:			
Departure Point:	PHOENIX, AZ (DVT)	Destination:	PHOENIX, AZ (DVT)

Airport Information

Airport:	Phoenix Deer Valley Airport (DVT)	Runway Surface Type:	Asphalt
Runway Used:	25R	Runway Surface Condition:	Dry
Runway Length/Width:	4500 ft / 75 ft		

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:	33.691667, -112.066667		

Administrative Information

Investigator In Charge (IIC): Tealeye C Cornejo

Adopted Date: 06/02/2004

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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