



National Transportation Safety Board Aviation Accident Data Summary

Location:	Stockton, CA	Accident Number:	LAX07LA119
Date & Time:	04/01/2007, 1100 PDT	Registration:	N3424Q
Aircraft:	Cessna 320E	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

While exiting the runway after landing, the right main landing gear collapsed, and the right wing struck the runway. The pilot reported that this was the first flight after an annual inspection in which the landing gear had been rigged. In addition, he had the failed components sent to a metallurgical laboratory. The owner submitted these findings to the Safety Board. The inspection report indicated that the right main landing gear had been rigged so that the gear tension terminated prematurely. This prevented the downlock link from reaching its full over center, locked position. This caused the side loads on the landing gear to be transmitted through other landing gear linkage components, instead of through the downlock link. The other components were not designed to carry those loads, and consequently failed in overload, resulting in the collapse of the landing gear while taxiing off the runway.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The landing gear collapsed during taxi as a result of incorrect rigging of the landing gear by other maintenance personnel that prevented the landing gear downlock from functioning as designed.

Findings

Occurrence #1: GEAR COLLAPSED
Phase of Operation: TAXI - FROM LANDING

Findings

1. (C) LANDING GEAR,GEAR LOCKING MECHANISM - IMPROPERLY SERVICED
2. (C) MAINTENANCE,ADJUSTMENT - IMPROPER - OTHER MAINTENANCE PERSONNEL

Pilot Information

Certificate:	Airline Transport; Flight Instructor; Commercial	Age:	55
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	4046 hours (Total, all aircraft), 23 hours (Total, this make and model), 2959 hours (Pilot In Command, all aircraft), 8 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Cessna	Registration:	N3424Q
Model/Series:	320E	Engines:	2 Reciprocating
Operator:	Pechan Family Trust	Engine Manufacturer:	Continental
Operating Certificate(s) Held:	None	Engine Model/Series:	TSIO-520-B
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:	SCK, 33 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	None	Wind Speed/Gusts, Direction:	3 knots / , Variable
Temperature:	21 °C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	San Andreas, CA (CPU)	Destination:	Stockton, CA (SCK)

Airport Information

Airport:	STOCKTON METROPOLITAN (SCK)	Runway Surface Type:	Asphalt
Runway Used:	29L	Runway Surface Condition:	Dry
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:	37.883333, -121.241667		

Administrative Information

Investigator In Charge (IIC):	Tealeye C Cornejo	Adopted Date:	06/30/2008
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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