



National Transportation Safety Board Aviation Accident Data Summary

Location:	Teterboro, NJ	Accident Number:	NYC05CA068
Date & Time:	04/02/2005, 1717 EST	Registration:	N169TA
Aircraft:	Canadair CL-600-2A12	Injuries:	4 None
Flight Conducted Under:	Part 91: General Aviation - Executive/Corporate		

Analysis

The departure, climb, en route, and descent portions of the flight were conducted without incident. The airplane was vectored onto the final approach course for the ILS 19 approach at Teterboro, New Jersey, and the captain configured the airplane to land. He flew the approach at Vref plus 30 knots because of turbulence and reported wind gusts. As he initiated a flare to land on runway 19, the airplane encountered windshear. It touched down hard on the main landing gear, bounced, and then touched down again on the nose wheel. The captain stabilized the airplane, slowed to taxi speed, and exited the runway. Examination of the airplane revealed substantial damage to the pressure bulkhead in the vicinity of the nose gear box. The wind 26 minutes prior to the accident was recorded as 150 degrees at 26 knots, gusting to 37 knots.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The captain's improper recovery from a bounced. A factor in the accident was windshear.

Findings

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

Findings

1. TERRAIN CONDITION - RUNWAY
2. (C) RECOVERY FROM BOUNCED LANDING - IMPROPER - PILOT IN COMMAND
3. (F) WEATHER CONDITION - WINDSHEAR

Pilot Information

Certificate:	Airline Transport; Commercial	Age:	39
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	7000 hours (Total, all aircraft), 1400 hours (Total, this make and model), 6000 hours (Pilot In Command, all aircraft), 68 hours (Last 90 days, all aircraft), 20 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Co-Pilot Information

Certificate:	Airline Transport; Commercial	Age:	46
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	8000 hours (Total, all aircraft), 800 hours (Total, this make and model), 7000 hours (Pilot In Command, all aircraft), 85 hours (Last 90 days, all aircraft), 27 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	Canadair	Registration:	N169TA
Model/Series:	CL-600-2A12	Engines:	2 Turbo Fan
Operator:	Truman Arnold Companies	Engine Manufacturer:	General Electric
Air Carrier Operating Certificate:	None	Engine Model/Series:	CF34-3A
Flight Conducted Under:	Part 91: General Aviation - Executive/Corporate		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	TEB, 9 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Instrument Conditions	Lowest Ceiling:	Broken / 1500 ft agl
Condition of Light:	Day	Wind Speed/Gusts, Direction:	26 knots/ 37 knots, 150°
Temperature:	13°C / 12°C	Visibility	1 Miles
Precipitation and Obscuration:			
Departure Point:	DALLAS, TX (DAL)	Destination:	TETERBORO, NJ (TEB)

Airport Information

Airport:	Teterboro (TEB)	Runway Surface Type:	Asphalt
Runway Used:	19	Runway Surface Condition:	Wet
Runway Length/Width:	7000 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	2 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	David S Muzio	Adopted Date:	07/07/2005
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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