



National Transportation Safety Board Aviation Accident Data Summary

Location:	Chicago, IL	Accident Number:	CEN11LA051
Date & Time:	11/02/2010, 1027 CDT	Registration:	N709BR
Aircraft:	BOMBARDIER INC CL-600-2B19	Injuries:	37 None
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Analysis

The airplane was stopped on the ramp when it was struck by an unoccupied ground service pickup truck. The truck was previously driven and parked nose first against the terminal building. The driver reported that he put the truck into Park, exited it with the engine running, and did not apply the parking brake. Surveillance video shows the airplane on the ramp as the pickup truck went towards the terminal and disappeared from view. Approximately 18 seconds later, the truck is seen moving in reverse from the terminal building and across the ramp, passing about 100 to 150 feet in front of the airplane. The video also revealed that, while still moving in reverse, the truck made a 180-degree turn and headed towards the airplane. The airplane, which was moving, stopped just prior to the truck impacting the forward left side of the airplane.

A postaccident inspection of the truck revealed that the transmission shift cable was out of adjustment, which allowed the transmission to slip into reverse; the parking brake cable had also been disconnected. Additionally, the truck's required maintenance inspection was 83.7 hours past due according to the truck's hour meter. Airline and airport procedure manuals state that vehicles are not to be left unattended with the engine running and that the parking brake must be set when a vehicle is parked. In addition, vehicles are required to be backed into designated parking spaces near buildings. Furthermore, the driver had not accomplished a complete user check of the truck at the beginning of his shift, as required by airline policy.

Flight Events

Standing - Ground collision

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pickup truck driver's failure to follow airport and company policies regarding ground vehicle operations, which allowed for the unattended truck to collide with the airplane. Contributing to the accident were the truck's misadjusted shift lever and disconnected parking brake.

Findings

Personnel issues-Action/decision-Info processing/decision-Decision making/judgment-Maintenance personnel - C

Personnel issues-Task performance-Maintenance-Scheduled/routine maintenance-Maintenance personnel

Environmental issues-Physical environment-Object/animal/substance-Ground vehicle-Not specified - F

Pilot Information

Certificate:	Airline Transport	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:	6997 hours (Total, all aircraft), 3156 hours (Total, this make and model), 4099 hours (Pilot In Command, all aircraft)		

Co-Pilot Information

Certificate:	Airline Transport	Age:	32
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	4814 hours (Total, all aircraft), 2208 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	BOMBARDIER INC	Registration:	N709BR
Model/Series:	CL-600-2B19	Engines:	2 Turbo Fan
Operator:	SKYWEST AIRLINES INC	Engine Manufacturer:	GE
Air Carrier Operating Certificate:	Flag carrier (121)	Engine Model/Series:	CF34 SERIES
Flight Conducted Under:	Part 121: Air Carrier - Scheduled		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	ORD, 672 ft msl	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	10 knots, 150°
Temperature:	9° C / 0° C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Chicago, IL (ORD)	Destination:	Moline, IL (MLI)

Airport Information

Airport:	O'Hare International (ORD)	Runway Surface Type:	
Runway Used:	N/A	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	37 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC): Pamela S Sullivan

Adopted Date: 10/03/2011

Investigation Docket: <http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=77726>

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.