
Tail stand collapse, Douglas 8-71F, November 30, 1994

Micro-summary: This Douglas 8-71F was damaged when the tail stand collapsed, causing a cargo pallet to hit a ground crew member.


Event Date: 1994-11-30 at 0535 CST


Investigative Body: National Transportation Safety Board (NTSB), USA


Investigative Body's Web Site: <http://www.nts.gov/>

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		NTSB ID: CHI95LA049		Aircraft Registration Number: N826BX	
		Occurrence Date: 11/30/1994		Most Critical Injury: Serious	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place CHICAGO		State IL	Zip Code 60666	Local Time 0535	Time Zone CST
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer DOUGLAS		Model/Series DC-8-71F		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On November 30, 1994, about 0535 central standard time, Burlington Express flight 814, a Douglas DC-8-71F, N826BX, operated by Air Transport International, sustained minor damage when the tail stand collapsed at the O'Hare International Airport, Chicago, Illinois.</p> <p>A ground crew member, who was unloading the airplane, reported serious injury. The three flight crew members, who had not deplaned, and three other ground crew members, also on board, reported no injuries. The 14 CFR Part 121 flight had landed at 0522 and visual meteorological conditions prevailed.</p> <p>In a written statement, a representative of Burlington Express reported that the airplane landed in Chicago at 0522. He said a tail stand was installed and four cargo technicians boarded the plane and began downloading procedures.</p> <p>The cargo locks in the front belly P1 position were removed and approximately 2,000 pounds of cargo were downloaded, leaving 2,100 pounds in the P1 position. The technicians were unlocking the P12 position and the airplane tail settled. The airplane sustained minor damage to the cargo door and an antenna.</p> <p>The unlocked pallet from the P1 position rolled aft to the P11 position. Three of the technicians avoided the moving pallet. The fourth technician was trapped by the pallet and sustained serious injury to his foot.</p> <p>The report stated that standard procedures for downloading the airplane were "possibly glazed over." Additionally, the scheduled turn around time for this flight was 45 minutes and "safety might be and has been compromised to make the turn".</p> <p>A Federal Aviation Administration Inspector who responded to the accident reported that the airplane was unloaded improperly. The Burlington training manual specifies that the airplane should be unloaded from the rear of the airplane first.</p>					
FACTUAL REPORT - AVIATION					
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 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: CHI95LA049			
		Occurrence Date: 11/30/1994			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
O'HARE INTERNATIONAL	ORD	667 Ft. MSL	0		
Runway Surface Type:					
Runway Surface Condition:					
Type Instrument Approach:					
VFR Approach/Landing:					
Aircraft Information					
Aircraft Manufacturer		Model/Series		Serial Number	
DOUGLAS		DC-8-71F		45998	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 7	Certified Max Gross Wt.	328000 LBS	Number of Engines: 4	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Turbo Jet	CFM	CFM56-2C-1	22000 LBS		
- Aircraft Inspection Information					
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection	Airframe Total Time		
Continuous Airworthiness	11/1994	2 Hours	7586 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site?			
Owner/Operator Information					
Registered Aircraft Owner		Street Address			
		83 WOOSTER HEIGHTS			
AERO USA, INC.		City	State	Zip Code	
		DANBURY	CT	06810	
Operator of Aircraft		Street Address			
		3800 RODNEY PARHAM ROAD			
AIR TRANSPORT INTERNATIONAL		City	State	Zip Code	
		LITTLE ROCK	AR	72212	
Operator Does Business As: BURLINGTON EXPRESS			Operator Designator Code: IXXA		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s): Flag Carrier/Domestic					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 121: Air Carrier					
Type of Flight Operation Conducted: Non-scheduled; Domestic; Cargo					
FACTUAL REPORT - AVIATION					

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: CHI95LA049
	Occurrence Date: 11/30/1994
	Occurrence Type: Accident

First Pilot Information

Name On File	City On File	State On File	Date of Birth On File	Age 53
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Sex: M	Seat Occupied: Left	Principal Profession: Civilian Pilot	Certificate Number: On File
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Certificate(s): Airline Transport; Commercial

Airplane Rating(s): Multi-engine Land

Rotorcraft/Glider/LTA: None

Instrument Rating(s): Airplane

Instructor Rating(s): None

Type Rating/Endorsement for Accident/Incident Aircraft? Yes	Current Biennial Flight Review?
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--w/ waivers/lim.	Date of Last Medical Exam: 06/1994
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- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air
						Actual	Simulated			
Total Time	18600	5600								
Pilot In Command(PIC)	16000	5600								
Instructor										
Last 90 Days										
Last 30 Days										
Last 24 Hours										

Seatbelt Used? Yes	Shoulder Harness Used? Yes	Toxicology Performed? No	Second Pilot? Yes
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Flight Plan/Itinerary

Type of Flight Plan Filed: IFR

Departure Point	State	Airport Identifier	Departure Time 0000	Time Zone
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Destination	State	Airport Identifier	
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Local Flight


Type of Clearance: IFR

Type of Airspace: Class B

Weather Information

Source of Briefing:

Method of Briefing:

 <p>National Transportation Safety Board FACTUAL REPORT AVIATION</p>	NTSB ID: CHI95LA049
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Weather Information

WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
ORD	0150	CST	667 Ft. MSL	0 NM	0 Deg. Mag.
Sky/Lowest Cloud Condition: Clear			0 Ft. AGL	Condition of Light: Dawn	
Lowest Ceiling: None			0 Ft. AGL	Visibility: 10 SM	Altimeter: 30.00 "Hg
Temperature: -4 °C	Dew Point: -7 °C	Wind Direction: 240		Density Altitude: 700 Ft.	
Wind Speed: 10	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): 0 Ft.	Visibility (RVV) 0 SM	Intensity of Precipitation: Unknown			
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information

Aircraft Damage: Minor	Aircraft Fire: None	Aircraft Explosion: None
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Classification: U.S. Registered/U.S. Soil

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot				1	1
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer				1	1
Cabin Attendants					
Other Crew		1		3	4
Passengers					
- TOTAL ABOARD -		1		6	7
Other Ground	0	0	0		0
- GRAND TOTAL -	0	1	0	6	7

National Transportation Safety Board

FACTUAL REPORT

AVIATION



NTSB ID: CHI95LA049

Occurrence Date: 11/30/1994

Occurrence Type: Accident

Administrative Information

Investigator-In-Charge (IIC)

WESLEY M. ROBBINS,

Additional Persons Participating in This Accident/Incident Investigation:

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