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## Engine fire, Boeing 757-232, April 17, 2003

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**Micro-summary: This Boeing 757-232's #1 engine caught fire shortly after takeoff.**

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**Event Date: 2003-04-17 at 0917 MDT**


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


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


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1. Accident reports can be and sometimes are revised. Be sure to consult the investigative agency for the latest version before basing anything significant on content (e.g., thesis, research, etc).
  2. Readers are advised that each report is a glimpse of events at specific points in time. While broad themes permeate the causal events leading up to crashes, and we can learn from those, the specific regulatory and technological environments can and do change. ***Your company's flight operations manual is the final authority as to the safe operation of your aircraft!***
  3. Reports may or may not represent reality. Many many non-scientific factors go into an investigation, including the magnitude of the event, the experience of the investigator, the political climate, relationship with the regulatory authority, technological and recovery capabilities, etc. It is recommended that the reader review all reports analytically. Even a "bad" report can be a very useful launching point for learning.
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		NTSB ID: DEN03IA067		Aircraft Registration Number: N6712B		
		Occurrence Date: 04/17/2003		Most Critical Injury: None		
		Occurrence Type: Incident		Investigated By: NTSB		
Location/Time						
Nearest City/Place Salt Lake City		State UT	Zip Code 84122	Local Time 0917	Time Zone MDT	
Airport Proximity: Off Airport/Airstrip		Distance From Landing Facility:		Direction From Airport:		
Aircraft Information Summary						
Aircraft Manufacturer Boeing		Model/Series 757-232		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 April 17, 2003, at 0917 mountain daylight time, a Boeing 757-232, N6712B, registered to and operated by Delta Air Lines, Inc., sustained minor damage when the left engine caught fire shortly after takeoff from Salt Lake City, Utah, International Airport. There were no injuries to the captain, first officer, four flight attendants, or 117 passengers. Visual meteorological conditions prevailed, and an IFR flight plan had been filed for the scheduled domestic passenger flight operating as flight 1901 under Title 14 CFR Part 121. The flight originated from Salt Lake City at 0906, and was en route to Atlanta, Georgia.</p> <p>According to Delta Air Lines officials, the first officer was flying the airplane. As the airplane leveled off at 10,000 feet, the left engine fire warning light illuminated. An emergency was declared and the flight was cleared onto a downwind heading and a descent to 8,000 feet. When the left engine was shut down, the fire warning light remained illuminated and the captain discharged a fire bottle. The warning light remained illuminated. The captain then discharged a second fire bottle. The warning light still remained illuminated. When the airplane was on final approach, the warning light went out. No visible fire was seen from the cabin or from the control tower. After an uneventful landing, the fire department met the airplane and determined there was some "residual smoke" but that the fire was extinguished. The airplane taxied to the gate and the passengers deplaned via the jetway.</p> <p>Engine examination revealed a flex line routed near the thrust reverser had failed. There was a fuel leak and a hole had burned through the shroud surrounding the hot section.</p>						
FACTUAL REPORT - AVIATION						

 <b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b>		NTSB ID: DEN03IA067			
		Occurrence Date: 04/17/2003			
		Occurrence Type: Incident			
<b>Landing Facility/Approach Information</b>					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
Salt Lake City International	SLC	4227 Ft. MSL	16R	12000	150
Runway Surface Type: Concrete					
Runway Surface Condition: Dry					
Type Instrument Approach: Visual					
VFR Approach/Landing: Traffic Pattern					
<b>Aircraft Information</b>					
Aircraft Manufacturer		Model/Series		Serial Number	
Boeing		757-232		30484	
Airworthiness Certificate(s): Transport					
Landing Gear Type: Retractable - Tricycle					
Homebuilt Aircraft? No	Number of Seats: 194	Certified Max Gross Wt.	232000 LBS	Number of Engines: 2	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Turbo Fan	Pratt & Whitney	2037	37000 LBS		
- Aircraft Inspection Information					
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection	Airframe Total Time		
Continuous Airworthiness	04/2003	Hours	8252 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? No	ELT Operated?	ELT Aided in Locating Accident Site?			
<b>Owner/Operator Information</b>					
Registered Aircraft Owner		Street Address			
Delta Air Lines, Inc.		1775 Aviation Blvd., Dept. 595, Int'l Airport			
		City	State	Zip Code	
		Atlanta	GA	30320	
Operator of Aircraft		Street Address			
Same as Reg'd Aircraft Owner		Same as Reg'd Aircraft Owner			
		City	State	Zip Code	
Operator Does Business As:			Operator Designator Code: DALA		
- 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: Scheduled; Domestic; Passenger Only					
FACTUAL REPORT - AVIATION					

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: DEN031A067
	Occurrence Date: 04/17/2003
	Occurrence Type: Incident

**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; Single-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? 09/2002
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Medical Cert.: Class 1	Medical Cert. Status: Valid Medical--no waivers/lim.	Date of Last Medical Exam: 03/2003
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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	21500	4552								
Pilot In Command(PIC)										
Instructor										
Last 90 Days	199	199								
Last 30 Days										
Last 24 Hours	1	1								

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 Same as Accident/Incident Location	State	Airport Identifier SLC	Departure Time 0906	Time Zone MDT
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Destination Atlanta	State GA	Airport Identifier ATL	
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Type of Clearance: IFR

Type of Airspace: Class E

**Weather Information**

Source of Briefing: Company

Method of Briefing: Unknown

 <p><b>National Transportation Safety Board</b> <b>FACTUAL REPORT</b> <b>AVIATION</b></p>	NTSB ID: DEN03IA067
	Occurrence Date: 04/17/2003
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**Weather Information**


WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
SLC	0856	MDT	4227 Ft. MSL	NM	Deg. Mag.
Sky/Lowest Cloud Condition: Few			7000 Ft. AGL	Condition of Light: Day	
Lowest Ceiling: Broken		10000 Ft. AGL	Visibility: 10	SM	Altimeter: 29.79 "Hg
Temperature: 11 °C	Dew Point: -1 °C	Wind Direction: 170		Density Altitude: 4901 Ft.	
Wind Speed: 9	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV)	SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

**Accident Information**

Aircraft Damage: Minor	Aircraft Fire: In-flight	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					
Cabin Attendants				4	4
Other Crew					
Passengers				117	117
- TOTAL ABOARD -				123	123
Other Ground					
- GRAND TOTAL -				123	123

 National Transportation Safety Board <b>FACTUAL REPORT</b> AVIATION	NTSB ID: DEN03IA067	
	Occurrence Date: 04/17/2003	
	Occurrence Type: Incident	

Administrative Information

Investigator-In-Charge (IIC)

Arnold W. Scott

Additional Persons Participating in This Accident/Incident Investigation:

William T Gierhart  
Aviation Safety Inspector - Airworthiness  
FAA Flight Standards District Office  
116 North 2400 West  
Salt Lake City, UT 84116