



National Transportation Safety Board Aviation Accident Data Summary

Location:	COVINGTON, KY	Accident Number:	ATL84LA091
Date & Time:	02/02/1984, 0156 EST	Registration:	N402EX
Aircraft:	CESSNA 404	Injuries:	1 None
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Analysis

A FIRE IGNITED IN THE RIGHT ENGINE ON THE LANDING ROLL. THE FIRE SOURCE WAS NEAR THE POINT WHERE THE FUEL SUPPLY LINE CONNECTS TO THE ENGINE DRIVEN FUEL PUMP. THE ACFT WAS ON ITS FIRST REVENUE FLIGHT AFTER THE RIGHT ENGINE WAS CHANGED, AT WHICH TIME THE FLEXIBLE FUEL & OIL HOSES WERE NOT CHANGED. PART OF THE FUEL HOSE WAS HARDENED & TWO CRACKS WERE FOUND IN THE RUBBER LINER. FUEL STREAMED FROM THE LINE WHEN THE BOOST PUMP WAS ACTIVATED. IT WAS DETERMINED THAT THE 'B' NUT AT THE FUEL PUMP MAY NOT HAVE BEEN SECURELY TIGHTENED AT THE INSTALLATION.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: FIRE
Phase of Operation: LANDING - ROLL

Findings

1. (C) FUEL SYSTEM, LINE FITTING - LOOSE
2. (F) MAINTENANCE, MAJOR REPAIR - NOT FOLLOWED - COMPANY MAINTENANCE PERSONNEL
3. (C) FUEL SYSTEM, LINE - CRACKED
4. (C) FUEL SYSTEM, LINE - IMPROPER

Pilot Information

Certificate:	Airline Transport	Age:	43
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	None
Flight Time:	17000 hours (Pilot In Command, all aircraft), 250 hours (Last 90 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N402EX
Model/Series:	404 404	Engines:	2 Reciprocating
Operator:	VIKING EXPRESS, INC.	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:		Engine Model/Series:	GTSIO-520M
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	CVG, 891 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 3000 ft agl	Wind Speed/Gusts, Direction:	21 knots / 31 knots, 200°
Temperature:	7°C	Visibility:	8 Miles
Precipitation and Obscuration:			
Departure Point:	CHICAGO, IL (MDW)	Destination:	

Airport Information

Airport:	GREATER CINCINNATI (CVG)	Runway Surface Type:	Asphalt
Runway Used:	18	Runway Surface Condition:	Wet
Runway Length/Width:	9501 ft / 150 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	STINER G WALTER	Adopted Date:	
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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