



National Transportation Safety Board Aviation Accident Factual Report

Location:	COLUMBUS, OH	Accident Number:	NYC95LA098
Date & Time:	05/02/1995, 0425 EDT	Registration:	N4575S
Aircraft:	BEECH 58	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Serious
Flight Conducted Under:	Part 135: Air Taxi & Commuter - Non-scheduled		

On May 2, 1995, at 0425 eastern daylight time, a Beech 58, N4575S, operated by U.S. Check, Columbus, Ohio, was substantially damaged during a forced landing to an open field near the Port Columbus International Airport (CMH), Columbus, Ohio. The airline transport rated pilot-in-command (PIC) and the commercial rated second-in-command (SIC) received serious injuries. Visual meteorological conditions prevailed for the flight that originated at the Allegheny County Airport, Pittsburgh, Pennsylvania. An IFR flight plan had been filed for the cargo flight conducted under 14 CFR Part 135.

The flight crew had flown five legs that evening, prior to the accident leg to CMH. The planned flight time to CMH was about 1 hour.

In the NTSB Form 6120.1/2, the PIC stated that while the SIC loaded the cargo, he performed a walk around and visual inspection of the airplane. The PIC then boarded the airplane and verified the fuel quantity by checking the gauges. The SIC stated that both the left and right fuel gauges indicated about half full.

The PIC said that the takeoff and climb were uneventful. After they leveled off at 4,000 feet, he set the fuel flow of both engines to 18 gallons per hour.

During radar vectors for an instrument approach to CMH, while in night IMC conditions, the PIC stated that the left engine "sputtered." He further stated:

I turned the left boost pump on and switched the left fuel selector to X-feed. The right engine at this point lost power. I turned the right boost pump on and moved all of the mixture, propeller and throttle levers to full. I turned the left fuel selector to main tank and the right fuel selector to X-feed. The left engine started to surge, but the right engine still did not produce any power...I switched the right back to main. The fuel gauges were reading: left bouncing above the yellow arc, and the right gauge was reading just below half tanks. I declared a fuel emergency...and requested direct to the field...we were losing altitude rapidly. We broke out at 2,200 feet MSL and were approximately 3 miles southwest of the field...we did not have sufficient altitude to glide to the airport...We

ended up in a field approximately 2 miles southwest of the field [CMH].

According to a Federal Aviation Administration (FAA) Inspector's statement, examination of the wreckage revealed 1 ounce of fuel was present in each of the left and right engine fuel lines. No fuel was removed from the right engine fuel injection system, and about 1 teaspoon of fuel was removed from the left.

The right wing inboard fuel drain was broken, and an undetermined amount of fuel had leaked out. The left wing inboard fuel drain was intact, and the fuel cell contained approximately 1 cup of fuel. Examination of the left and right wing fuel strainers revealed that they each contained about 1 ounce of fuel, and were absent of water and foreign particulates.

When the batteries were energized, the left fuel gauge indicated between zero and 1/4, and the right gauge indicated zero. The Inspector stated that the left fuel indicator was erratic when the outer wing skin was tapped in the vicinity of the fuel quantity transmitter. The left wing fuel quantity transmitters were removed from the airplane and inspected. Both worked in unison and operated correctly.

Pilot Information

Certificate:	Airline Transport; Commercial	Age:	26, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	Glider	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	04/21/1995
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	3900 hours (Total, all aircraft), 800 hours (Total, this make and model), 3600 hours (Pilot In Command, all aircraft), 240 hours (Last 90 days, all aircraft), 80 hours (Last 30 days, all aircraft), 5 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N4575S
Model/Series:	58 58	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	TH-695
Landing Gear Type:	Retractable - Tricycle	Seats:	2
Date/Type of Last Inspection:	04/20/1995, 100 Hour	Certified Max Gross Wt.:	5400 lbs
Time Since Last Inspection:	24 Hours	Engines:	2 Reciprocating
Airframe Total Time:	4485 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-520-C
Registered Owner:	U.S. CHECK	Rated Power:	285 hp
Operator:	U.S. CHECK	Operating Certificate(s) Held:	On-demand Air Taxi (135)
Operator Does Business As:		Operator Designator Code:	BSYA

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	CMH, 815 ft msl	Distance from Accident Site:	2 Nautical Miles
Observation Time:	0350 EDT	Direction from Accident Site:	60°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	6 Miles
Lowest Ceiling:	Broken / 1700 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	11 knots / 18 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	40°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	8°C / 7°C
Precipitation and Obscuration:			
Departure Point:	WEST MIFFLIN, PA (AGC)	Type of Flight Plan Filed:	IFR
Destination:	, OH (CMH)	Type of Clearance:	IFR
Departure Time:	0330 EDT	Type of Airspace:	Class C

Airport Information

Airport:	PORT COLUMBUS INTNL (CMH)	Runway Surface Type:	
Airport Elevation:	815 ft	Runway Surface Condition:	
Runway Used:	0	IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	Forced Landing

Wreckage and Impact Information

Crew Injuries:	2 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Serious	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	ROBERT L PEARCE
Additional Participating Persons:	LARRY DOMBROWSKI; COLUMBUS, OH JAY C WILKINS; COLUMBUS, OH
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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .