



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	LITTLE ROCK, AR	<b>Accident Number:</b>	MKC90FA020
<b>Date &amp; Time:</b>	10/29/1989, 0200 CST	<b>Registration:</b>	N6382X
<b>Aircraft:</b>	CESSNA 402B	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 Fatal, 1 Serious
<b>Flight Conducted Under:</b>	Part 135: Air Taxi & Commuter - Non-scheduled		

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## Analysis

THE PASSENGER SITTING IN THE COPILOT'S SEAT STATED THAT SHE SAW FIRE COMING FROM THE RIGHT WING AND ENGINE AREA. SHE STATED THAT SHE COULD SEE A BRIGHT 'GLOW' BENEATH THE SKIN OF THE WING. THE PILOT MADE A FORCED LANDING ON A FREEWAY AND THE AIRCRAFT STRUCK A LIGHT POLE ON THE HIGHWAY MEDIAN. HEAVY FIRE DAMAGE WAS FOUND IN THE AFT PORTION OF THE RIGHT ENGINE NACELLE & RIGHT FLAP ASSEMBLY. IN ADDITION, HEAVY FIRE AND SOOT WERE EVIDENT IN THE INTERIOR OF THE RIGHT WING ASSEMBLY.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A LEAK IN THE AIRCRAFT'S FUEL SYSTEM WHICH RESULTED IN AN IN-FLIGHT FIRE. THE ORIGIN OF THE FUEL LEAK WAS NOT DETERMINED.

## Findings

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Occurrence #1: FIRE

Phase of Operation: CLIMB - TO CRUISE

Findings

1. (C) FUEL SYSTEM - LEAK
  2. (C) FUEL SYSTEM - UNDETERMINED
  3. (C) WING - FIRE
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Occurrence #2: FORCED LANDING

Phase of Operation: LANDING - FLARE/TOUCHDOWN

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Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (F) TERRAIN CONDITION - ROADWAY/HIGHWAY
5. OBJECT - POLE

## Factual Information

### Pilot Information

<b>Certificate:</b>	Commercial	<b>Age:</b>	53, Male
<b>Airplane Rating(s):</b>	Multi-engine Land; Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	Yes
<b>Medical Certification:</b>	Class 2 Valid Medical--w/ waivers/lim.	<b>Last FAA Medical Exam:</b>	01/17/1989
<b>Occupational Pilot:</b>	<b>Last Flight Review or Equivalent:</b>		
<b>Flight Time:</b>	10000 hours (Total, all aircraft), 1000 hours (Total, this make and model), 9000 hours (Pilot In Command, all aircraft), 100 hours (Last 90 days, all aircraft), 40 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	CESSNA	<b>Registration:</b>	N6382X
<b>Model/Series:</b>	402B 402B	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	1345
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	
<b>Date/Type of Last Inspection:</b>	09/08/1989, Annual	<b>Certified Max Gross Wt.:</b>	6300 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	2 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	TSIO-520-E
<b>Registered Owner:</b>	SPRINGDALE AIR SERVICE	<b>Rated Power:</b>	300 hp
<b>Operator:</b>	SPRINGDALE AIR SERVICE	<b>Operating Certificate(s) Held:</b>	On-demand Air Taxi (135)

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	LIT, 4 ft msl	Distance from Accident Site:	258 Nautical Miles
Observation Time:	0216 CST	Direction from Accident Site:	30°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	Broken / 12000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Calm /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	13° C / 11° C
Precipitation and Obscuration:			
Departure Point:	LITTLE ROCK, AR (LIT)	Type of Flight Plan Filed:	IFR
Destination:	SPRINGDALE, AR (ASG)	Type of Clearance:	IFR
Departure Time:	0157 CST	Type of Airspace:	Class D

## Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Substantial
Passenger Injuries:	1 Serious	Aircraft Fire:	In-Flight
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal, 1 Serious	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	BOB L DICKENS	Report Date:	09/30/1991
Additional Participating Persons:	ARCHIE NEWBY; LITTLE ROCK, AR BOB JOURNAGAN; WICHITA, KS GEORGE HOLLINGSWORTH; RESTON, VA		
Publish 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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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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. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).