



National Transportation Safety Board Aviation Accident Data Summary

Location:	ALABASTER, AL	Accident Number:	ATL82DA223
Date & Time:	08/01/1982, 1915 CDT	Registration:	N11GT
Aircraft:	AERO COMMANDER 680FL	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation -		

Analysis

PRIOR TO THE POST-MAINTENANCE INSPECTION FLIGHT THE PILOT/OWNER, WHO IS A CERTIFICATED A&P MECHANIC, HAD BEEN CALIBRATING THE FUEL FLOW ON THE RIGHT ENG FUEL INJECTOR PUMP. AN EXTERNAL LINE HAD BEEN CONNECTED TO THE FUEL FLOW TRANSMITTER FITTING OF THE FUEL INJECTOR. PRIOR TO THE TEST FLIGHT THE EXTERNAL LINE WAS REMOVED & THE FUEL FLOW REPLACED. ABOUT 10 MIN AFTER TAKEOFF THE PLT OBSERVED FLAMES FROM 25 TO 15 PSI. THE RIGHT ENG WAS SHUT DOWN & THE PROP FEATHERED. AFTER LANDING THE PLT WAS UNABLE TO TAXI THE ACFT & THE ACFT WAS ABANDONED.

Probable Cause

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

Findings

Occurrence #1: FIRE
Phase of Operation: CRUISE - NORMAL

- Findings
1. (C) FUEL SYSTEM,LINE FITTING - IMPROPER
 2. (C) MAINTENANCE,INSTALLATION - IMPROPER - PILOT IN COMMAND
 3. (C) FUEL SYSTEM,LINE FITTING - LEAK
 4. FUEL SYSTEM - FIRE

Pilot Information

Certificate:	Commercial	Age:	57
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):		Instructor Rating(s):	None
Flight Time:	7205 hours (Total, all aircraft), 1710 hours (Total, this make and model), 7110 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	AERO COMMANDER	Registration:	N11GT
Model/Series:	680FL 680FL	Engines:	2 Reciprocating
Operator:	MCLAUGHLIN	Engine Manufacturer:	LYCOMING
Operating Certificate(s) Held:		Engine Model/Series:	IGSO-540-B1A
Flight Conducted Under:	Part 91: General Aviation -		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Dusk
Observation Facility, Elevation:	, 0 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Overcast / 4000 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 310°
Temperature:	85° C	Visibility	5 Miles
Precipitation and Obscuration:			
Departure Point:	ALABASTER, AL (21A)	Destination:	ALABASTER, AL (21A)

Airport Information

Airport:	SHELBY COUNTY (21A)	Runway Surface Type:	Asphalt
Runway Used:	33	Runway Surface Condition:	Dry
Runway Length/Width:	3800 ft / 75 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Destroyed
Passenger Injuries:	N/A	Aircraft Fire:	In-Flight and On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	In-Flight and On-Ground

Latitude, Longitude:

Administrative Information

Investigator In Charge (IIC):	Adopted Date:	08/01/1983
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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