



Aviation Investigation Final Report

Location:	JACKSONVILLE, North Carolina	Accident Number:	ATL92LA095
Date & Time:	May 5, 1992, 10:30 Local	Registration:	N5127E
Aircraft:	CESSNA 180B	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT REPORTED THAT THE AIRPLANE WAS BEING FLOWN TO ANOTHER FIELD, ABOUT 40 MILES AWAY, FOR REPAIRS TO THE LEFT WING FUEL TANK. HE SAID HE WAS BURNING THE FUEL FROM THAT TANK FOR THE REPAIRS TO BE DONE. EN ROUTE THE TANK RAN DRY & HE SWITCHED TO THE RIGHT TANK. HE ALSO STATED THAT IMPENDING WEATHER FORCED HIM TO ABORT THE FLIGHT, SO HE WAS RETURNING TO THE DEPARTURE AIRPORT. WHILE ON A 2 MILE FINAL APPROACH TO THE RUNWAY, THE ENGINE QUIT. A FORCED LANDING WAS MADE IN A FIELD WITH TALL WHEAT & THE AIRPLANE NOSED OVER DURING THE LANDING ROLL. 20 MINUTES ELAPSED BETWEEN THE PILOT'S STATED TAKE OFF & LANDING TIMES. INSPECTION OF THE AIRPLANE REVEALED THAT THE FUEL SELECTOR WAS ON THE RIGHT TANK. ALL OF THE FUEL WAS THEN DRAINED FROM THE AIRPLANE. THE FOLLOWING FUEL QUANTITIES WERE DRAINED: 1.5 GALLONS FROM THE RIGHT TANK, ONE QUART FROM THE LEFT TANK, TWO OUNCES FROM THE GASCOLATOR. FUEL WAS REPLACED IN THE AIRPLANE & THE ENGINE OPERATED NORMALLY. UNUSABLE FUEL SPECIFIED FOR THE AIRPLANE IS 10 GALLONS.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO ENSURE AN ADEQUATE SUPPLY OF FUEL FOR THE PLANNED FLIGHT; WHICH RESULTED IN FUEL EXHAUSTION. A FACTOR WAS THE HIGH VEGETATION IN THE FORCED LANDING FIELD.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - FINAL APPROACH

Findings

1. (C) FLUID,FUEL - EXHAUSTION
2. (C) FUEL SUPPLY - INADEQUATE - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: NOSE OVER
Phase of Operation: LANDING - ROLL

Findings

3. (F) TERRAIN CONDITION - HIGH VEGETATION

Factual Information

Pilot Information

Certificate:	Private	Age:	49, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--w/ waivers/lim	Last FAA Medical Exam:	August 23, 1990
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	649 hours (Total, all aircraft), 29 hours (Total, this make and model), 604 hours (Pilot In Command, all aircraft), 29 hours (Last 90 days, all aircraft), 10 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N5127E
Model/Series:	180B 180B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	50427
Landing Gear Type:	Tailwheel	Seats:	4
Date/Type of Last Inspection:	November 14, 1991 Annual	Certified Max Gross Wt.:	2650 lbs
Time Since Last Inspection:	34 Hrs	Engines:	1 Reciprocating
Airframe Total Time:	2110 Hrs	Engine Manufacturer:	CONTINENTAL
ELT:	Installed	Engine Model/Series:	O-470-K
Registered Owner:	ANDERSON, JAMES L.	Rated Power:	230 Horsepower
Operator:	ANDERSON, JAMES L.	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	NCA ,25 ft msl	Distance from Accident Site:	12 Nautical Miles
Observation Time:	10:15 Local	Direction from Accident Site:	140°
Lowest Cloud Condition:	Scattered / 9500 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	30°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	16°C / 4°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	10:10 Local	Type of Airspace:	Class G

Airport Information

Airport:		Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	34.760036,-77.400947(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Preston
Additional Participating Persons:	J. R BLAKE; RALEIGH , NC
Original Publish Date:	June 30, 1993
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=8598

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