



# National Transportation Safety Board Aviation Accident Final Report

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<b>Location:</b>	PAW PAW, MI	<b>Accident Number:</b>	CHI86FEM08
<b>Date &amp; Time:</b>	06/01/1986, 0930 EDT	<b>Registration:</b>	N5152C
<b>Aircraft:</b>	BEECH B35	<b>Aircraft Damage:</b>	Destroyed
<b>Defining Event:</b>		<b>Injuries:</b>	2 Serious
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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## Analysis

ON TAKEOFF AT APPROX 100' THE ENGINE BEGAN TO FALTER. THE PILOT DID A 180 DEG TURN AND LANDED ABOUT 1/2 WAY DOWN THE RUNWAY. AFTER BOUNCING TWICE AND SEEING THAT HE WOULD PROBABLY RUN OFF THE END, HE PERFORMED A GO-AROUND. AT A POINT NEAR THE END OF THE RUNWAY, ACCORDING TO HIS PASSENGER, THE ENGINE QUIT. THE AIRCRAFT THEN DESCENDED INTO TREES. FOLLOWING THE ACCIDENT THE FUEL SELECTOR WAS FOUND ON AN EMPTY TANK AND THE ENGINE RAN NORMALLY ON A TEST STAND.

## Probable Cause and Findings

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

## Findings

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Occurrence #1: LOSS OF ENGINE POWER  
Phase of Operation: TAKEOFF - INITIAL CLIMB

### Findings

1. (F) FLUID,FUEL - STARVATION
  2. (C) IN-FLIGHT PLANNING/DECISION - POOR - PILOT IN COMMAND
  3. (C) FUEL SYSTEM,SELECTOR/VALVE - NOT SWITCHED
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Occurrence #2: FORCED LANDING  
Phase of Operation: LANDING

### Findings

4. (F) ALL AVAILABLE RUNWAY - NOT USED - PILOT IN COMMAND
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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER  
Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

### Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	44, Male
<b>Airplane Rating(s):</b>	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>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Expired	<b>Last FAA Medical Exam:</b>	06/26/1979
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	400 hours (Total, all aircraft), 70 hours (Total, this make and model), 5 hours (Last 90 days, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	BEECH	<b>Registration:</b>	N5152C
<b>Model/Series:</b>	B35 B35	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	D-2437
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	09/20/1985, Annual	<b>Certified Max Gross Wt.:</b>	2650 lbs
<b>Time Since Last Inspection:</b>	8 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	3843 Hours	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Installed, not activated	<b>Engine Model/Series:</b>	E-225-8
<b>Registered Owner:</b>	JAMES E. PETERS	<b>Rated Power:</b>	225 hp
<b>Operator:</b>	JAMES E. PETERS	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	AZO, 874 ft msl	Distance from Accident Site:	14 Nautical Miles
Observation Time:	0945 EDT	Direction from Accident Site:	98°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	8 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	12 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	250°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	25° C / 17° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0920 EDT	Type of Airspace:	Class G

## Airport Information

Airport:	ALEMNA (2C5)	Runway Surface Type:	Grass/turf
Airport Elevation:	740 ft	Runway Surface Condition:	Dry
Runway Used:	9	IFR Approach:	None
Runway Length/Width:	3250 ft / 100 ft	VFR Approach/Landing:	Forced Landing

## Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Serious	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Serious	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	D. E CARIS	Report Date:	
Additional Participating Persons:	PAUL O HANSEN		
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](#).