



National Transportation Safety Board Aviation Accident Final Report

Location:	PINE BLUFF, AR	Accident Number:	MKC85FA105
Date & Time:	05/19/1985, 1455 CDT	Registration:	N575HC
Aircraft:	BEECH E-90	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Minor, 2 None
Flight Conducted Under:	Part 91: General Aviation - Instructional		

Analysis

A SIMULATED ENG FAILURE WAS INITIATED BY THE CHK AIRMAN AT 200 AGL. THE PLT FOLLOWED THE EMERGENCY PROCEDURES AND ADVANCED THE PWR LEVERS TO BRING PWR BACK TO THE ENGINE. THE PLT THEN NOTICED THE ENG FAILED AND HAD INSUFFICIENT ALT TO GET AN AIR RESTART. THE SUBSEQUENT DESCENT RESULTED IN CONTACT WITH TREES OFF THE END OF THE ARPT RWY. THE DESCENT WAS NOT ARRESTED AND THE ACFT STRUCK THE TERRAIN AND FLIPPED INVERTED. EXAMINATION OF THE ACFT'S LEFT ENG REVEALED FOREIGN CONTAMINATION OF THE FUEL CONTROL GOVERNOR PY AIR RESTRICTOR. STATIC TESTING REVEALED SIGNIFICANT MALFUNCTIONING AT THE IDLE AND MAX GOVERNING SPEED LIMITS.

Probable Cause and Findings

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

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - MECH FAILURE/MALF
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) FUEL SYSTEM,FUEL CONTROL - DISABLED
 2. (F) FUEL SYSTEM,FUEL CONTROL - CONTAMINATION
 3. (F) IN-FLIGHT PLANNING/DECISION - DELAYED - PILOT IN COMMAND
 4. (F) EMERGENCY PROCEDURE - SIMULATED - PILOT IN COMMAND
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Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Findings

5. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
 6. (C) PROPER CLIMB RATE - NOT POSSIBLE - PILOT IN COMMAND
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Occurrence #3: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: DESCENT - EMERGENCY

Findings

7. OBJECT - TREE(S)
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Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

8. TERRAIN CONDITION - GROUND

Factual Information

Pilot Information

Certificate:	Commercial	Age:	46, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	04/29/1985
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	5319 hours (Total, all aircraft), 700 hours (Total, this make and model), 5318 hours (Pilot In Command, all aircraft), 105 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N575HC
Model/Series:	E-90 E-90	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	LW-67
Landing Gear Type:	Retractable - Tricycle	Seats:	10
Date/Type of Last Inspection:	05/01/1985, 100 Hour	Certified Max Gross Wt.:	10100 lbs
Time Since Last Inspection:	30 Hours	Engines:	2 Turbo Prop
Airframe Total Time:	2445 Hours	Engine Manufacturer:	P&W
ELT:	Installed	Engine Model/Series:	PT6-28
Registered Owner:	CASTLE INDUSTRIES INC.	Rated Power:	550 hp
Operator:	CASTLE INDUSTRIES INC.	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	, 0 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1455	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	15 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	Light and Variable /	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	PINE BLUFF, AR (PBF)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1500 CDT	Type of Airspace:	

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	CLINT C THORPE	Report Date:	
Additional Participating Persons:	CARY WILCOX; LITTLE ROCK, AR		
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 pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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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](#).