



National Transportation Safety Board Aviation Accident Final Report

Location:	BIRMINGHAM, MI	Accident Number:	CHI86FA079
Date & Time:	01/29/1986, 1314 EST	Registration:	N68653
Aircraft:	CESSNA 421C	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

AT ROTATION THE RIGHT ENG FAILED. THE ACFT ENTERED A SKIDDING TURN TO THE RT AND CONTINUED TO CLIMB TO ABOUT 100 FT AGL. DURING THE TURN 110 DEG FROM T.O. HEADING ACFT ROLLED INVERTED AND DESCENDED INTO A CAR PORT. EXTENSIVE POST IMPACT FIRE DESTROYED ACFT, CAR PORT AND THREE VEHICLES. GEAR WAS NOT RETRACTED AND PROP WAS NOT FEATHERED. DURING POST ACCIDENT EXAM OF THE RT ENG EXTENSIVE INTERNAL DAMAGE WAS FOUND.

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. (C) ENGINE ASSEMBLY - FAILURE,TOTAL

Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: DESCENT

Findings

2. (F) GEAR RETRACTION - NOT PERFORMED - PILOT IN COMMAND
3. (F) PROPELLER FEATHERING - NOT PERFORMED - PILOT IN COMMAND
4. (F) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
5. (F) THROTTLE/POWER CONTROL - IMPROPER USE OF - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - UNCONTROLLED

Findings

6. OBJECT - TREE(S)
7. OBJECT - RESIDENCE
8. OBJECT - VEHICLE

Factual Information

Pilot Information

Certificate:	Commercial	Age:	51, 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:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	07/29/1985
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1750 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N68653
Model/Series:	421C 421C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	421C1070
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	06/27/1985, Annual	Certified Max Gross Wt.:	7450 lbs
Time Since Last Inspection:	350 Hours	Engines:	2 Reciprocating
Airframe Total Time:	1275 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	GTS10-520N
Registered Owner:	JOHN F. CABE	Rated Power:	375 hp
Operator:	JOHN F. CABE	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	DET, 626 ft msl	Distance from Accident Site:	11 Nautical Miles
Observation Time:	1245 EST	Direction from Accident Site:	145°
Lowest Cloud Condition:	Scattered / 3000 ft agl	Visibility	4 Miles
Lowest Ceiling:	Broken / 8000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	5 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	-5° C / -11° C
Precipitation and Obscuration:			
Departure Point:	TROY, MI (7D2)	Type of Flight Plan Filed:	IFR
Destination:	LANSING, MI (LAN)	Type of Clearance:	None
Departure Time:	1313 EST	Type of Airspace:	Class D

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	EDWARD J MCAVOY	Report Date:	
Additional Participating Persons:	H. B ROWLAND; BELLEVILLE, MI R. A WHITE; WICHITA, KS A. J YURMAN; KEARNY, NJ		
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

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](#).