



National Transportation Safety Board Aviation Accident Final Report

Location:	KENNESAW, GA	Accident Number:	ATL85FA221
Date & Time:	07/19/1985, 1116 EDT	Registration:	N5473G
Aircraft:	CESSNA 421C	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal, 4 Minor

Flight Conducted Under: Part 91: General Aviation - Executive/Corporate

Analysis

THE ACFT LOST POWER ON # 2 ENG SHORTLY AFTER TAKE-OFF. THE ACFT CRASHED AND BURNED IN A WOODED AREA SEVERAL MILES SW OF THE ARPT. THE # 2 ENG WAS SEVERLY DAMAGED IN THE FIRE. NO PRE-IMPACT MALFUNCTION COULD BE DOCUMENTED. EXAMINATION OF THE PROP DID NOT REVEAL DAMAGE CONSISTENT WITH THAT USUALLY FOUND WHEN A PROP IS IN THE FEATHERED POSITION. THE FLAP JACK SCREW WAS FOUND IN THE 10-15 DEG POSITION. BOTH ENG HAD A HISTORY OF SHUT DOWN AT LOW PWR SETTINGS DURING TAXI. THE # 2 ENG HAD 'BURBLED' DURING THE PREVIOUS FLT AND THE # 1 ENG SHUT DOWN AFTER LDG.

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(TOTAL) - MECH FAILURE/MALF
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (C) OPERATION WITH KNOWN DEFICIENCIES IN EQUIPMENT - IMPROPER - PILOT IN COMMAND
2. (C) MISCELLANEOUS - UNDETERMINED
3. (C) REASON FOR OCCURRENCE UNDETERMINED

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

Findings

4. (C) REMEDIAL ACTION - NOT PERFORMED - PILOT IN COMMAND
5. (C) PROPELLER FEATHERING - NOT USED - PILOT IN COMMAND
6. (C) LACK OF TOTAL EXPERIENCE IN TYPE OF AIRCRAFT - PILOT IN COMMAND

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

Findings

7. OBJECT - TREE(S)

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - EMERGENCY

Factual Information

Pilot Information

Certificate:	Flight Instructor; Commercial	Age:	22, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land; Single-engine Sea	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	Yes
Instructor Rating(s):	Airplane Single-engine; Instrument Airplane	Toxicology Performed:	No
Medical Certification:	Class 1 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	05/29/1985
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	1770 hours (Total, all aircraft), 450 hours (Total, this make and model), 1590 hours (Pilot In Command, all aircraft), 300 hours (Last 90 days, all aircraft), 10 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N5473G
Model/Series:	421C 421C	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	421C-0220
Landing Gear Type:	Retractable - Tricycle	Seats:	7
Date/Type of Last Inspection:	08/31/1984, Annual	Certified Max Gross Wt.:	7450 lbs
Time Since Last Inspection:		Engines:	2 Reciprocating
Airframe Total Time:	1700 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed, not activated	Engine Model/Series:	GTS10-520-L
Registered Owner:		Rated Power:	375 hp
Operator:	HMGS	Operating Certificate(s) Held:	None
Operator Does Business As:	SOONER DEFENSE	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MGE, 1068 ft msl	Distance from Accident Site:	9 Nautical Miles
Observation Time:	1055 EDT	Direction from Accident Site:	120°
Lowest Cloud Condition:	Scattered / 3500 ft agl	Visibility	8 Miles
Lowest Ceiling:	Unknown / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	3 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	280°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	28° C / 21° C
Precipitation and Obscuration:			
Departure Point:	MARIETTA, GA (8A4)	Type of Flight Plan Filed:	IFR
Destination:	ST.PETERSBURG, FL (PIE)	Type of Clearance:	None
Departure Time:	1114 EDT	Type of Airspace:	Class G

Airport Information

Airport:	MCCOLLUM (8A4)	Runway Surface Type:	
Airport Elevation:	1040 ft	Runway Surface Condition:	
Runway Used:	27	IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	2 Minor	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal, 2 Minor	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Fatal, 4 Minor	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	CHARLES T FOUTS	Report Date:	
Additional Participating Persons:	DALE CARTER H. B GORDON ROBERT A WHITE THOMAS M KNOPP		
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/ .		

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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](#).