



National Transportation Safety Board Aviation Accident Final Report

Location:	ATLANTIC CITY, NJ	Accident Number:	NYC87FA225
Date & Time:	08/10/1987, 0854 EDT	Registration:	N814SG
Aircraft:	PIPER PA-60-601P	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	1 Fatal

Flight Conducted Under: Part 91: General Aviation - Personal

Analysis

DURING THE TAKEOFF ROLL WITNESSES OBSERVED THE AIRCRAFT SWERVE FROM LEFT TO RIGHT WITH THE ENGINE(S) 'MISSING' OR INTERMITTENT. THE AIRCRAFT LIFTED OFF AND CLIMBED TO APPROXIMATELY 50 FEET AGL AND CONTINUED ACROSS A WATERWAY IN A LEFTTURN WITH THE LANDING GEAR EXTENDED. THE AIRCRAFT PITCHED UP AND ROLLED LEFT WING DOWN INTO THE WATER. EXAMINATION OF THE ENGINES REVEALED A CRACKED COIL IN THE LEFT MAGNETO OF THE RIGHT ENGINE. NO OTHER MECHANICAL MALFUNCTION/FAILURE COULD BE DETERMINED.

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

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. 1 ENGINE
2. (F) IGNITION SYSTEM,IGNITION COIL - CRACKED

Occurrence #2: LOSS OF CONTROL - IN FLIGHT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

3. (C) EMERGENCY PROCEDURE - IMPROPER - PILOT IN COMMAND
4. (C) ABORTED TAKEOFF - NOT PERFORMED - PILOT IN COMMAND
5. (F) IN-FLIGHT PLANNING/DECISION - IMPROPER - PILOT IN COMMAND
6. (C) OPERATION WITH KNOWN DEFICIENCIES IN EQUIPMENT - CONTINUED - PILOT IN COMMAND
7. (C) AIRSPEED(VMC) - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Findings

8. (F) TERRAIN CONDITION - WATER

Factual Information

Pilot Information

Certificate:	Private	Age:	48, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	2500 hours (Total, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N814SG
Model/Series:	PA-60-601P PA-60-601P	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	61P0157001
Landing Gear Type:	Retractable - Tricycle	Seats:	6
Date/Type of Last Inspection:	08/29/1986, Annual	Certified Max Gross Wt.:	5700 lbs
Time Since Last Inspection:	127 Hours	Engines:	2 Reciprocating
Airframe Total Time:	2919 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	IO-540-S1A5
Registered Owner:	BEATRICE KASDIN	Rated Power:	290 hp
Operator:	SAMUEL KASDIN	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:	0000	Direction from Accident Site:	0°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	0 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:			
Departure Point:	(AIY)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	0854 EDT	Type of Airspace:	Class E

Airport Information

Airport:	BADER FIELD (AIY)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	11	IFR Approach:	None
Runway Length/Width:	2950 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	ROBERT L HANCOCK	Report Date:	04/24/1989
Additional Participating Persons:	RON NETTLESHIP; PHILADELPHIA, PA DAVE PHILLIPS LOUIS MASON		
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](#).