



Aviation Investigation Final Report

Location:	WEST MILFORD, New Jersey	Accident Number:	NYC90LA137
Date & Time:	June 24, 1990, 15:25 Local	Registration:	N3674Q
Aircraft:	BEECH BE-23	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 Minor
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT PLANNED ON A 4 HOUR CROSSCOUNTRY FLIGHT WITH 60 GALLONS OF FUEL. AFTER 2 HOURS OF FLIGHT, HE REMAINED OVERNIGHT AND UPON DEPARTURE DID NOT VISUALLY CHECK THE FUEL TANKS PRIOR TO DEPARTURE. AFTER LESS THAN 4 HOURS OF FLIGHT HE LOST POWER IN THE TAFFIC PATTERN, TRIED TO SLIP TO THE RUNWAY AND JUST ABOVE THE RUNWAY, THE ENGINE SURGED FOR A FEW SECONDS AND THEN QUIT AGAIN. HE LANDED LONG AND RAN OFF THE DEPARTURE END OF THE RUNWAY INTO TREES.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE FAILURE OF THE PILOT IN COMMAND TO ATTAIN THE PROPER TOUCHDOWN POINT WHILE MAKING A FORCED LANDING FOLLOWING LOSS OF ENGINE POWER DUE TO FUEL EXHAUSTION.

Findings

Occurrence #1: LOSS OF ENGINE POWER(TOTAL) - NONMECHANICAL
Phase of Operation: APPROACH - VFR PATTERN - DOWNWIND

Findings

1. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
2. (C) REFUELING - NOT PERFORMED - PILOT IN COMMAND

3. (C) FLUID,FUEL - EXHAUSTION

Occurrence #2: FORCED LANDING

Phase of Operation: DESCENT - EMERGENCY

Occurrence #3: OVERRUN

Phase of Operation: LANDING - FLARE/TOUCHDOWN

Findings

4. (C) PROPER TOUCHDOWN POINT - NOT ATTAINED - PILOT IN COMMAND

Occurrence #4: ON GROUND/WATER COLLISION WITH OBJECT

Phase of Operation: LANDING - ROLL

Findings

5. OBJECT - TREE(S)

Factual Information

Pilot Information

Certificate:	Private	Age:	Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	November 2, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	300 hours (Total, all aircraft), 56 hours (Total, this make and model), 20 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BEECH	Registration:	N3674Q
Model/Series:	BE-23 BE-23	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	MA265
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	October 5, 1989 Annual	Certified Max Gross Wt.:	2550 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2350 Hrs	Engine Manufacturer:	LYCOMING
ELT:		Engine Model/Series:	IO-360-A2B
Registered Owner:	RAYMOND F FAGNANO, JR.	Rated Power:	200 Horsepower
Operator:	RAYMOND FAGAMO	Operating Certificate(s) Held:	None
Operator Does Business As:		Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:		Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:	Scattered / 4000 ft AGL	Visibility	
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:	0°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	MONTPELIER , VT (MPV)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	00:00 Local	Type of Airspace:	Class G

Airport Information

Airport:	GREENWOOD LAKE 4N1	Runway Surface Type:	Asphalt
Airport Elevation:	791 ft msl	Runway Surface Condition:	Dry
Runway Used:	2	IFR Approach:	None
Runway Length/Width:	2306 ft / 50 ft	VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	Hancock, Robert
Additional Participating Persons:	NATE GLINBIZZI; TETERBORO , NJ
Original Publish Date:	October 2, 1992
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=36668

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