



Aviation Investigation Final Report

Location:	CONCORD, North Carolina	Accident Number:	ATL90LA149
Date & Time:	July 27, 1990, 09:15 Local	Registration:	N5278P
Aircraft:	PIPER PA-24-250	Aircraft Damage:	Substantial
Defining Event:		Injuries:	4 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

THE PILOT WAS ON TAKEOFF ROLL AND DETERMINED THAT HE COULD NOT CLIMB ABOVE TREES LOCATED OFF THE DEPARTURE END OF THE RUNWAY. HE ABORTED THE TAKEOFF AND COULD NOT BRING THE AIRPLANE TO A STOP IN THE REMAINING RUNWAY DISTANCE. THE AIRPLANE ENTERED HIGH WEEDS AND CONTACTED A DITCH WHICH WAS NOT VISIBLE FROM THE RUNWAY. THE DEPARTURE END OF THE RUNWAY WAS DIRT, BARE OF GRASS FROM FREQUENT LANDINGS. THE PILOT REPORTED THAT HE WAS ACCUSTOMED TO MAKING TAKEOFFS IN THE OPPOSITE DIRECTION, WHERE THE DEPARTURE END OBSTRUCTIONS WERE NOT AS HIGH. THE PILOT ALSO REPORTED THAT HE WAS ABOUT 65 POUNDS UNDER MAXIMUM GROSS WEIGHT AT TAKEOFF. HE REPORTED NO MECHANICAL DIFFICULTIES WITH THE AIRPLANE.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S INADEQUATE PREFLIGHT PLANNING AND PREPARATION, IN THAT HE DID NOT FULLY CONSIDER THE EFFECTS OF HIGH OBSTRUCTIONS AND A POOR RUNWAY SURFACE CONDITION.

Findings

Occurrence #1: OVERRUN
Phase of Operation: TAKEOFF - ABORTED

Findings

1. TERRAIN CONDITION - HIGH OBSTRUCTION(S)
2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND
3. TERRAIN CONDITION - DITCH
4. ABORTED TAKEOFF - PERFORMED - PILOT IN COMMAND

Factual Information

Pilot Information

Certificate:	Private	Age:	41, 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):		Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	June 29, 1989
Occupational Pilot:	UNK	Last Flight Review or Equivalent:	
Flight Time:	558 hours (Total, all aircraft), 271 hours (Total, this make and model), 454 hours (Pilot In Command, all aircraft), 13 hours (Last 90 days, all aircraft), 6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	PIPER	Registration:	N5278P
Model/Series:	PA-24-250 PA-24-250	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:		Serial Number:	24-317
Landing Gear Type:	Retractable - Tricycle	Seats:	4
Date/Type of Last Inspection:	Unknown	Certified Max Gross Wt.:	3000 lbs
Time Since Last Inspection:	0 Hrs	Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	LYCOMING
ELT:	Installed, activated	Engine Model/Series:	O-540-A1C5
Registered Owner:	HANS P. ROGENMOSER	Rated Power:	250 Horsepower
Operator:		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:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	15 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	330°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	22°C / -18°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:		Type of Flight Plan Filed:	None
Destination:	OSHKOSH , WI (OSH)	Type of Clearance:	None
Departure Time:	09:15 Local	Type of Airspace:	

Airport Information

Airport:	GOODNIGHT'S 4NC8	Runway Surface Type:	Dirt;Grass/turf
Airport Elevation:	600 ft msl	Runway Surface Condition:	Dry
Runway Used:	33	IFR Approach:	None
Runway Length/Width:	2640 ft / 40 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	3 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	4 None	Latitude, Longitude:	35.399581,-80.589157(est)

Administrative Information

Investigator In Charge (IIC):	Hicks, Ralph
Additional Participating Persons:	ROBERT J SCHILLING; CHARLOTTE , NC
Original Publish Date:	September 28, 1992
Last Revision Date:	
Investigation Class:	Class
Note:	
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=8258

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