



National Transportation Safety Board Aviation Accident Data Summary

Location:	WINCHESTER, VA	Accident Number:	BFO90LA033
Date & Time:	04/01/1990, 1730 EDT	Registration:	N2521C
Aircraft:	CESSNA 170B	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

THE PILOT WAS TAKING OFF FROM AN UPSLOPE-GRASS RWY. ACCORDING TO THE PLT, THE ACFT ACCELERATED SLOWLY BEFORE HE LIFTED OFF AT 65 MPH. THE PLT WAS UNABLE TO CLIMB AND THE ACFT STRUCK A FENCE PAST THE END OF THE RWY. THE PLT REPORTED NO MECHANICAL MALFUNCTION.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO ASSURE THAT THE AIRPLANE WOULD CLEAR THE FENCE AFTER TAKEOFF.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) RUNWAY/LANDING AREA CONDITION - UPHILL
2. (C) PREFLIGHT PLANNING/PREPARATION - INADEQUATE - PILOT IN COMMAND

Pilot Information

Certificate:	Private	Age:	49
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	639 hours (Total, all aircraft), 89 hours (Total, this make and model), 547 hours (Pilot In Command, all aircraft), 93 hours (Last 90 days, all aircraft), 26 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N2521C
Model/Series:	170B 170B	Engines:	1 Reciprocating
Operator:	KIRK E. RANDALL	Engine Manufacturer:	CONTINENTAL
Operating Certificate(s) Held:	None	Engine Model/Series:	O-300A
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	IAD, 0 ft msl	Weather Information Source:	Unknown
Lowest Ceiling:	Overcast / 1100 ft agl	Wind Speed/Gusts, Direction:	7 knots / , 160°
Temperature:	12° C	Visibility	4 Miles
Precipitation and Obscuration:			
Departure Point:	Destination: WINCHESTER, VA (W16)		

Airport Information

Airport:	PRIVATE STRIP	Runway Surface Type:	Grass/turf
Runway Used:	18	Runway Surface Condition:	Dry
Runway Length/Width:	1500 ft / 75 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	DENNIS L JONES	Adopted Date:	12/14/1992
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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