



National Transportation Safety Board Aviation Accident Final Report

Location:	Middleberry, VT	Accident Number:	ERA10CA388
Date & Time:	08/01/2010, 1145 EDT	Registration:	N34641
Aircraft:	CESSNA 177B	Aircraft Damage:	Substantial
Defining Event:	Runway excursion	Injuries:	2 Minor
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

According to the pilot, he performed a run-up and proceeded to the departure end of the runway. He applied full power and began the takeoff roll. With the airplane about halfway down the runway, the pilot realized that the airplane was not developing as much airspeed as he expected. As the airplane approached the end of the runway, he decided to abort the takeoff. He pulled back the throttle and applied the brakes but the airplane did not slow down quickly enough. The airplane ran off the end of the runway, traveled down an embankment, and came to rest in a marshy area, substantially damaging the forward section of the fuselage. The pilot noted that he had forgotten to set the flaps properly for takeoff. During a postaccident examination of the wreckage, a Federal Aviation Administration inspector found no preexisting mechanical anomalies 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 delayed decision to abort the takeoff.

Findings

Aircraft	Surface speed/braking - Not attained/maintained
Personnel issues	Delayed action - Pilot (Cause)

Factual Information

History of Flight

Takeoff-rejected takeoff	Runway excursion (Defining event) Collision with terr/obj (non-CFIT)
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Pilot Information

Certificate:	Private	Age:	46, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without Waivers/Limitations	Last Medical Exam:	09/04/2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	04/18/2009
Flight Time:	417 hours (Total, all aircraft), 307 hours (Total, this make and model), 333 hours (Pilot In Command, all aircraft), 3 hours (Last 90 days, all aircraft), 2 hours (Last 30 days, all aircraft), 2 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N34641
Model/Series:	177B	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal; Utility	Serial Number:	17701918
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	07/15/2010, Annual	Certified Max Gross Wt.:	2500 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	2607 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	O&VO-360 SER
Registered Owner:	On file	Rated Power:	180 hp
Operator:	On file	Air Carrier Operating Certificate:	None

Meteorological Information and Flight Plan

Observation Facility, Elevation:	MPV, 1166 ft msl	Observation Time:	EDT
Distance from Accident Site:	26 Nautical Miles	Condition of Light:	Day
Direction from Accident Site:	45°	Conditions at Accident Site:	Visual Conditions
Lowest Cloud Condition:	Scattered / 3800 ft agl	Temperature/Dew Point:	22° C / 12° C
Lowest Ceiling:	None	Visibility	10 Miles
Wind Speed/Gusts, Direction:	3 knots, 120°	Visibility (RVR):	
Altimeter Setting:	30.11 inches Hg	Visibility (RVV):	
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Middleberry, VT (6B0)	Type of Flight Plan Filed:	None
Destination:	Fitchburg, MA (FIT)	Type of Clearance:	None
Departure Time:	1130 EDT	Type of Airspace:	

Airport Information

Airport:	Middlebury State Airport (6B0)	Runway Surface Type:	Asphalt
Airport Elevation:	490 ft	Runway Surface Condition:	Dry
Runway Used:	19	IFR Approach:	None
Runway Length/Width:	2500 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 Minor	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 Minor		

Administrative Information

Investigator In Charge (IIC):	Todd G Gunther	Adopted Date:	04/07/2011
Additional Participating Persons:	Rich Eilinger; FAA/FSDO; Portland, ME		
Publish Date:	04/07/2011		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=76809		

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.

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