



Aviation Investigation Final Report

Location:	New Castle, Virginia	Accident Number:	ERA10CA497
Date & Time:	September 22, 2010, 17:30 Local	Registration:	N8001J
Aircraft:	CONSOLIDATED AERONAUTICS INC. LAKE LA-4-200	Aircraft Damage:	Substantial
Defining Event:	Collision with terr/obj (non-CFIT)	Injuries:	1 Minor, 1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

According to the pilot, the airplane was accelerating normally during the takeoff roll into a 6- to 8-knot headwind. About halfway down the turf runway, the airplane became airborne and then settled back onto the runway. The pilot decided to abort the takeoff and reduced power while applying the brakes. He realized that the airplane would not be able to stop prior to impacting a berm located at the end of the runway and added full power. The airplane cleared the berm, crossed a dirt road, and impacted a tree and several boulders before coming to rest in a pond. The pilot stated that it had rained earlier in the day and that the runway might have still been damp. The pilot reported no mechanical malfunctions or failures with the airframe or engine that would have precluded normal operation.

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, which resulted in a collision with terrain.

Findings

Personnel issues	Decision making/judgment - Pilot
Environmental issues	Wet surface - Effect on operation
Aircraft	Airspeed - Not attained/maintained

Factual Information

History of Flight

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

Pilot Information

Certificate:	Commercial; Private	Age:	55, Male
Airplane Rating(s):	Single-engine land; Single-engine sea	Seat Occupied:	Left
Other Aircraft Rating(s):	Glider	Restraint Used:	
Instrument Rating(s):	Airplane	Second Pilot Present:	
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	October 9, 2008
Occupational Pilot:	No	Last Flight Review or Equivalent:	April 15, 2009
Flight Time:	(Estimated) 1100 hours (Total, all aircraft), 700 hours (Total, this make and model), 950 hours (Pilot In Command, all aircraft), 30 hours (Last 90 days, all aircraft), 8 hours (Last 30 days, all aircraft), 3 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CONSOLIDATED AERONAUTICS INC.	Registration:	N8001J
Model/Series:	LAKE LA-4-200	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	993
Landing Gear Type:	Amphibian	Seats:	4
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	1761 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:		Engine Model/Series:	IO-360-A1B
Registered Owner:	On file	Rated Power:	200 Horsepower
Operator:	On file	Operating Certificate(s) Held:	None

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 / 4100 ft AGL	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	6 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	180°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.09 inches Hg	Temperature/Dew Point:	24°C / 19°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	New Castle, VA (VA85)	Type of Flight Plan Filed:	None
Destination:	Moneta, VA	Type of Clearance:	None
Departure Time:	17:30 Local	Type of Airspace:	

Airport Information

Airport:	New Castle International Airpo VA85	Runway Surface Type:	Grass/turf
Airport Elevation:	1320 ft msl	Runway Surface Condition:	Wet
Runway Used:	18	IFR Approach:	None
Runway Length/Width:	2400 ft / 100 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 Minor	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Minor, 1 None	Latitude, Longitude:	37.472221,-80.101112(est)

Administrative Information

Investigator In Charge (IIC):	Etcher, Shawn
Additional Participating Persons:	Fritz Heunemann; Richmond FAA/FSDO; Richmond, VA
Original Publish Date:	April 12, 2011
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=77380

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