



Aviation Investigation Final Report

Location:	Simsbury, Connecticut	Accident Number:	ERA20CA294
Date & Time:	August 22, 2020, 13:50 Local	Registration:	N156BB
Aircraft:	Socata TB200	Aircraft Damage:	Substantial
Defining Event:	Runway excursion	Injuries:	3 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

Prior to departing on the local flight, the pilot noted that the wind was calm and favoring one runway. He then back-taxed the airplane along the 2,205-ft-long runway for the departure. After initiating the takeoff roll, and nearing the mid-field point, the pilot noted that the windsock there had changed direction and that a tailwind was now present. The pilot then realized the airplane had not gained enough airspeed and aborted the takeoff. As the airplane approached the end of the runway, the pilot turned the airplane right to avoid a road, and it continued off the runway and eventually struck trees. The airplane's right wing was substantially damaged. The pilot reported that there were no mechanical malfunctions or failures of the airplane 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:

A runway excursion following an aborted takeoff in tailwind conditions.

Findings

Environmental issues	Tailwind - Effect on operation
Environmental issues	Tree(s) - Contributed to outcome

Factual Information

History of Flight

Takeoff-rejected takeoff	Runway excursion (Defining event)
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Pilot Information

Certificate:	Private	Age:	26, Male
Airplane Rating(s):	Single-engine land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Without waivers/limitations	Last FAA Medical Exam:	May 26, 2018
Occupational Pilot:	No	Last Flight Review or Equivalent:	February 16, 2020
Flight Time:	281.8 hours (Total, all aircraft), 38.7 hours (Total, this make and model), 229.6 hours (Pilot In Command, all aircraft), 52.2 hours (Last 90 days, all aircraft), 14.6 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Socata	Registration:	N156BB
Model/Series:	TB200 XL	Aircraft Category:	Airplane
Year of Manufacture:	1992	Amateur Built:	
Airworthiness Certificate:	Normal	Serial Number:	1375
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	March 1, 2020 Annual	Certified Max Gross Wt.:	2535 lbs
Time Since Last Inspection:	159 Hrs	Engines:	Reciprocating
Airframe Total Time:	4710 Hrs at time of accident	Engine Manufacturer:	Lycoming
ELT:	C126 installed, activated, did not aid in locating accident	Engine Model/Series:	IO-360
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:	KBDL, 175 ft msl	Distance from Accident Site:	4 Nautical Miles
Observation Time:	18:51 Local	Direction from Accident Site:	72°
Lowest Cloud Condition:	Scattered / 5500 ft AGL	Visibility	10 miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	12 knots / 23 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	300°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29.88 inches Hg	Temperature/Dew Point:	33°C / 13°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Simsbury, CT (4B9)	Type of Flight Plan Filed:	None
Destination:	Simsbury, CT (4B9)	Type of Clearance:	None
Departure Time:		Type of Airspace:	

Airport Information

Airport:	Simsbury 4B9	Runway Surface Type:	Asphalt
Airport Elevation:	195 ft msl	Runway Surface Condition:	Dry
Runway Used:	03	IFR Approach:	None
Runway Length/Width:	2205 ft / 50 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	2 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	3 None	Latitude, Longitude:	41.915832,-72.776664(est)

Administrative Information

Investigator In Charge (IIC):	Boggs, Daniel
Additional Participating Persons:	Daniel j Ballou; FAA; Enfield, CT
Original Publish Date:	June 24, 2021
Last Revision Date:	
Investigation Class:	Class 4
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=101846

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