



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	Buena Vista, CO	<b>Accident Number:</b>	CEN20LA268
<b>Date &amp; Time:</b>	07/07/2020, 1344 MDT	<b>Registration:</b>	C-GTVS
<b>Aircraft:</b>	Mooney M20TN	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>	Collision during takeoff/land	<b>Injuries:</b>	1 Serious
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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On July 7, 2020, about 1344 mountain daylight time, a Mooney M20TN airplane, Canadian registration C-GTVS, was substantially damaged when it was involved in an accident at the Central Colorado Regional Airport, Buena Vista, Colorado. The pilot was seriously injured. The airplane was operated as a Title 14 *Code of Federal Regulations* Part 91 personal flight.

The pilot stated that he was on a cross-country flight from Canada to California and stopped in Buena Vista to refuel the airplane. During the takeoff, the pilot did not establish a positive rate of climb and looked down to adjust the engine mixture and put on his oxygen nose piece. He stated that during the takeoff sequence he was not paying attention to his airspeed and altitude. The pilot looked up and the right main landing gear hit the terrain very hard at an estimated speed of 150 to 160 knots. The pilot attempted to maintain control, and the airplane came to rest on the runway. A postimpact fire ensued, and the pilot sustained serious injuries as he exited the airplane. The airplane sustained substantial damage from the postimpact fire.

The pilot reported there were no mechanical malfunctions or failures that would have precluded normal operations.

A witness, who was located at the airport, reported that he observed the airplane takeoff from runway 15 with no problems noted. The airplane then suddenly impacted the runway surface, and a postimpact fire ensued. The witness responded to the accident location to assist the pilot. The pilot reported to the witness that he "went to get his oxygen nose piece and impacted runway."

## Pilot Information

<b>Certificate:</b>	Private	<b>Age:</b>	59, Male
<b>Airplane Rating(s):</b>	Single-engine Land	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	Airplane	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 With Waivers/Limitations	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>	No	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	750 hours (Total, all aircraft), 50 hours (Total, this make and model)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	Mooney	<b>Registration:</b>	C-GTVS
<b>Model/Series:</b>	M20TN No Series	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>	2007	<b>Amateur Built:</b>	No
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	31-0028
<b>Landing Gear Type:</b>	Retractable - Tricycle	<b>Seats:</b>	4
<b>Date/Type of Last Inspection:</b>	07/05/2018, Annual	<b>Certified Max Gross Wt.:</b>	3366 lbs
<b>Time Since Last Inspection:</b>		<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>		<b>Engine Manufacturer:</b>	Continental
<b>ELT:</b>	Installed, activated, did not aid in locating accident	<b>Engine Model/Series:</b>	TSIO-550-G
<b>Registered Owner:</b>	On file	<b>Rated Power:</b>	280 hp
<b>Operator:</b>	On file	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	AEJ, 7950 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1355 MDT	Direction from Accident Site:	0°
Lowest Cloud Condition:	Scattered / 12000 ft agl	Visibility	10 Miles
Lowest Ceiling:		Visibility (RVR):	
Wind Speed/Gusts:	18 knots / 25 knots	Turbulence Type Forecast/Actual:	/
Wind Direction:	150°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30.23 inches Hg	Temperature/Dew Point:	26 °C / -3 °C
Precipitation and Obscuration:	No Precipitation		
Departure Point:	Buena Vista, CO (AEJ)	Type of Flight Plan Filed:	None
Destination:	Van Nuys, CA (VNY)	Type of Clearance:	None
Departure Time:	1344 MDT	Type of Airspace:	Class E

## Airport Information

Airport:	Central Colorado Regional (AEJ)	Runway Surface Type:	Asphalt
Airport Elevation:	7950 ft	Runway Surface Condition:	Dry
Runway Used:	15	IFR Approach:	None
Runway Length/Width:	8303 ft / 75 ft	VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 Serious	Latitude, Longitude:	38.813611, -106.121389 (est)

## Administrative Information

Investigator In Charge (IIC):	Aaron M Sauer
Additional Participating Persons:	LeRoy Sutton; FAA; Denver, CO
Note:	The NTSB did not travel to the scene of this accident.
Investigation Docket:	<a href="http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=101562">http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=101562</a>