



The National Transportation Safety Board

Office of Aviation Safety
Central Region
Memorandum for the Record
Weight and Balance Estimate
CEN20LA199
Pineville, Louisiana
May 31, 2020

The NTSB IIC created an estimated weight of the airplane at the time of the accident. The most current weight and balance sheet for the airplane was used, along with estimated fuel, measured baggage weight, occupant weights, and oil.

The maximum gross weight of the airplane was 2,450 pounds.

Airplane empty weight – 1,391 pounds (from most recent weight and balance dated March 23, 2017)

Weight of pilot – 293 pounds (from autopsy)

Weight of front seat passenger – 293 pounds (From first responders. Pilot's twin brother)

Weight of surviving passenger – 125 pounds (child passenger)

Baggage weight – 140 pounds (measured at recovery facility)

Oil – 12 pounds (8 quarts)

Fuel – 216 pounds (estimated 36 gallons)

Total estimated weight at the time of the accident – 2,470 pounds

From these estimated calculations, the airplane was at or slightly above its maximum gross weight at the time of the accident.

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