

On-Road Usage and Performance Summary for 2011 Chevrolet Volt VIN 0815

Reporting Period: February 2013 through May 2016

All Trips¹

Overall gasoline fuel economy (mpg) ⁵	37
Overall DC electrical energy consumption (DC Wh/mi)	48
Total distance driven (mi)	90,299
Average trip distance (mi)	7
Percent of miles city highway	66% 34%
Average ambient temperature (deg F)	67.5
Percent of time driven with air conditioning selected	90%

EV Trips²

Overall gasoline fuel economy (mpg) ⁵	N/A
Overall DC electrical energy consumption (DC Wh/mi)	304
Total distance driven (mi)	11,764
Average trip distance (mi)	3.9
Percent of miles city highway	87% 13%
Average ambient temperature (deg F)	---
Percent of time driven with air conditioning selected	91%
Percent of total distance traveled	13%

Mixed-Mode Trips³

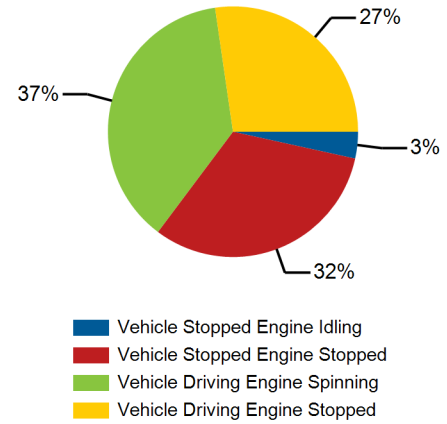
Overall gasoline fuel economy (mpg) ⁵	39
Overall DC electrical energy consumption (DC Wh/mi)	79
Total distance driven (mi)	20,438
Average trip distance (mi)	6.0
Percent of miles city highway	69% 31%
Average ambient temperature (deg F)	67.8
Percent of time driven with air conditioning selected	91%
Percent of total distance traveled	23%

Charge Sustaining Trips⁴

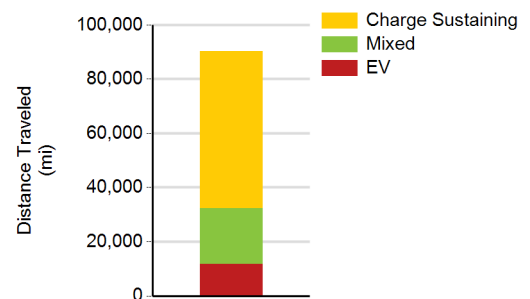
Overall gasoline fuel economy (mpg) ⁵	31
Overall DC electrical energy consumption (DC Wh/mi)	-15
Total distance driven (mi)	58,097
Average trip distance (mi)	9.4
Percent of miles city highway	60% 40%
Average ambient temperature (deg F)	51.0
Percent of time driven with air conditioning selected	89%
Percent of total distance traveled	64%



Percent of Drive Time by Operating Mode



Distance Traveled by Trip Type



1. Calculated from on-board electronic data logged over 90,299 miles, which may be a subset of total lifetime miles driven.
2. Trips where the vehicle was propelled by battery energy only, using no gasoline.
3. Trips where gasoline was consumed by the engine, and net electrical energy was consumed from the battery to propel the vehicle.
4. Trips where gasoline was consumed by the engine to propel the vehicle, while the net electrical energy consumed from the battery was less than 1% of the gasoline energy consumed.
5. Gasoline consumption calculated using Mass Air Flow and Commanded or Measured Air-Fuel Ratio read from OBD2 messages assuming $AFR_{stoich} = 14.7$ and $\rho_{gasoline} = 2819 \text{ g/gal}$.