

# On-Road Usage and Performance Summary for 2011 Chevrolet Volt VIN 0914

Reporting Period: February 2013 through May 2016

## All Trips<sup>1</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	38
Overall DC electrical energy consumption (DC Wh/mi)	51
Total distance driven (mi)	58,057
Average trip distance (mi)	9
Percent of miles city   highway	55%   45%
Average ambient temperature (deg F)	---
Percent of time driven with air conditioning selected	92%



## EV Trips<sup>2</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	N/A
Overall DC electrical energy consumption (DC Wh/mi)	301
Total distance driven (mi)	8,036
Average trip distance (mi)	4.8
Percent of miles city   highway	85%   15%
Average ambient temperature (deg F)	---
Percent of time driven with air conditioning selected	92%
Percent of total distance traveled	14%

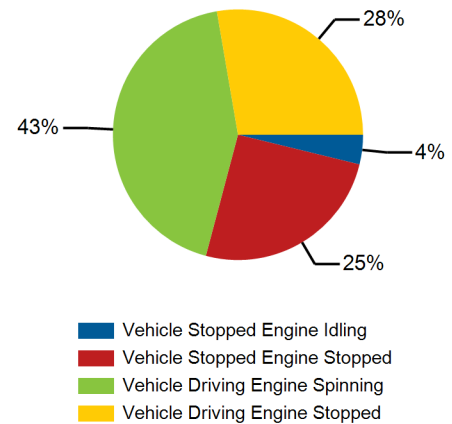
## Mixed-Mode Trips<sup>3</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	41
Overall DC electrical energy consumption (DC Wh/mi)	97
Total distance driven (mi)	11,266
Average trip distance (mi)	7.5
Percent of miles city   highway	56%   44%
Average ambient temperature (deg F)	---
Percent of time driven with air conditioning selected	92%
Percent of total distance traveled	19%

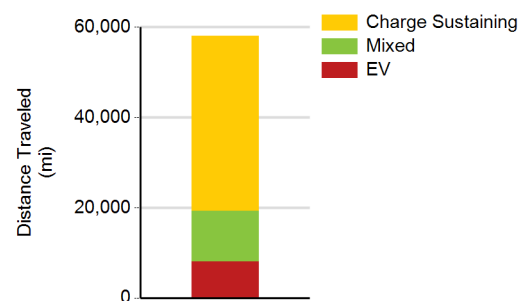
## Charge Sustaining Trips<sup>4</sup>

Overall gasoline fuel economy (mpg) <sup>5</sup>	31
Overall DC electrical energy consumption (DC Wh/mi)	-14
Total distance driven (mi)	38,755
Average trip distance (mi)	10.8
Percent of miles city   highway	48%   52%
Average ambient temperature (deg F)	---
Percent of time driven with air conditioning selected	93%
Percent of total distance traveled	67%

Percent of Drive Time by Operating Mode



Distance Traveled by Trip Type



1. Calculated from on-board electronic data logged over 58,057 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  $\rho_{gasoline} = 2819 \text{ g/gal}$ .