

Plug-In Hybrid Electric Vehicle Operation Data Summary for 2013 Chevrolet Volt VIN 3929

Reporting Period: November 2012 through September 2014

All Trips¹

Overall gasoline fuel economy (mpg) ⁵	40
Overall DC electrical energy consumption (DC Wh/mi)	41
Total distance driven (mi)	68,253
Average trip distance (mi)	8
Percent of miles city highway	58% 42%
Average ambient temperature (deg F)	93.9
Percent of miles driven with air conditioning selected	93%



EV Trips²

Overall gasoline fuel economy (mpg) ⁵	N/A
Overall DC electrical energy consumption (DC Wh/mi)	279
Total distance driven (mi)	7,998
Average trip distance (mi)	5.0
Percent of miles city highway	78% 22%
Average ambient temperature (deg F)	77.9
Percent of miles driven with air conditioning selected	93%
Percent of total distance traveled	12%

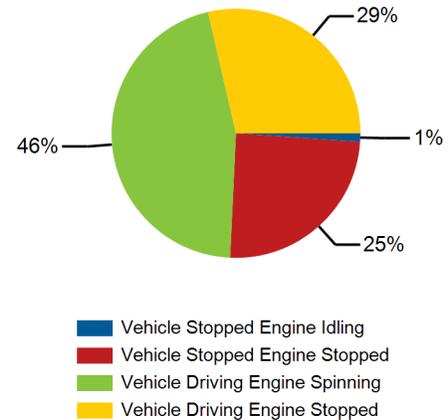
Mixed-Mode Trips³

Overall gasoline fuel economy (mpg) ⁵	39
Overall DC electrical energy consumption (DC Wh/mi)	58
Total distance driven (mi)	17,822
Average trip distance (mi)	6.7
Percent of miles city highway	59% 41%
Average ambient temperature (deg F)	96.6
Percent of miles driven with air conditioning selected	93%
Percent of total distance traveled	26%

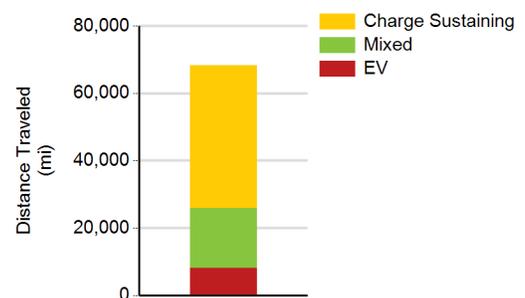
Charge Sustaining Trips⁴

Overall gasoline fuel economy (mpg) ⁵	34
Overall DC electrical energy consumption (DC Wh/mi)	-11
Total distance driven (mi)	42,433
Average trip distance (mi)	10.9
Percent of miles city highway	54% 46%
Average ambient temperature (deg F)	96.2
Percent of miles driven with air conditioning selected	92%
Percent of total distance traveled	62%

Percent of Drive Time by Operating Mode



Distance Traveled by Trip Type



1. Calculated from on-board electronic data logged over 68,253 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 $\rho_{gasoline} = 2819 \text{ g/gal}$.