



Vehicle Technologies Program

North American PHEV Demonstration

Fleet Summary Report - Hymotion Escape (Kvaser data logger)

Number of Vehicles: 2
Reporting period: Jan-Nov 2008

Date range of data received:
1/2/2008 to 11/18/2008
Number of days when the vehicle was driven: 209

All trips combined

Overall gasoline fuel economy (mpg)	29
Total number of trips	675
Total distance traveled (mi)	11065

Trips in Charge Depleting mode (CD)*

Gasoline fuel economy (mpg)	33
Number of trips	375
Percent of trips city / highway	88.80% / 11.20%
Distance traveled (mi)	2605
Percent of total distance traveled	23.55%

Trips in both Charge Depleting and Charge Sustaining modes (CD/CS)**

Gasoline fuel economy (mpg)	30
Number of trips	90
Percent of trips city / highway	50.00% / 50.00%
Distance traveled (mi)	3037
Percent of total distance traveled	27.45%

Trips in Charge Sustaining mode (CS)***

Gasoline fuel economy (mpg)	27
Number of trips	210
Percent of trips city / highway	65.24% / 34.76%
Distance traveled (mi)	5422
Percent of total distance traveled	49.00%

Number of trips when the plug-in battery pack was turned off by vehicle operator ^	1
Distance traveled with plug-in battery pack turned off by vehicle operator (mi) ^^	8

Plug-in charging

Number of charging events	109
Average number of charging events per day when vehicle driven	0.5
Average duration of charging event (hr)	4.5
Average energy per charging event (kWh)	3.3
Total charging energy (kWh)	359.9

* Trips when the plug-in battery pack charge is depleted to propel the vehicle throughout entire trip

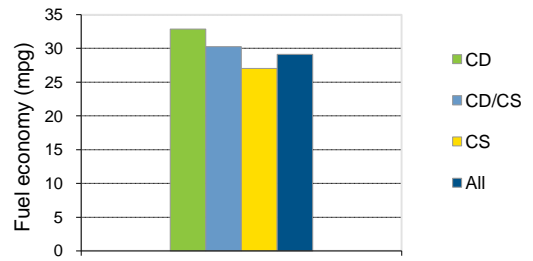
** Trips when the plug-in battery pack is depleted to propel the vehicle for a portion of the trip, but is fully depleted prior to the end of the trip

*** Trips when the plug-in battery pack is not used to propel the vehicle – either the plug-in battery is fully depleted before the beginning of the trip, or the plug-in battery pack is turned off

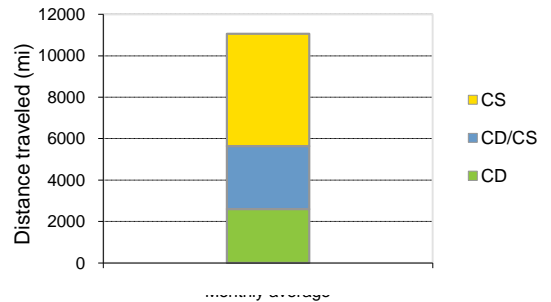
^ "Number of trips with plug-in battery pack turned off by vehicle operator" is a subset of number of trips in combined CD/CS and CS-only modes

^^ "Distance traveled with plug-in battery pack turned off by vehicle operator" is a subset of distance traveled in combined CD/CS and CS-only modes

Gasoline Fuel Economy by Trip Type



Distance Traveled by Trip Type



Miles Logged by Month This Year

