HEV Fleet Testing



Operating Statistics

Distance Driven¹: 144,702 Average Trip Distance²: 14.0 mi Stop Time with Engine Idling²: 5% Trip Type City/Highway²: 80%/20%

Operating Performance

Cumulative MPG1: 45.6

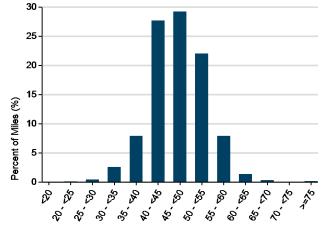
See HEV America Baseline Performance and Fleet Testing Fuel Economy fact sheets for more information on vehicle specifications and fuel usage reporting, available at http://avt.inl.gov/

2010 Toyota **Prius** VIN: 462

Fleet Testing Results To Date

Test Notes

- 1. Calculated over the life of the vehicle based on odometer reading and fuel logs. More information available in Fleet Testing Fuel Economy sheet.
- 2. Calculated from electronic data logged over a subset of total miles traveled equal to 137,998 miles.
- 3. Fuel economy calculated for this figure using mass air flow over dynamic vehicle operation.
- 4. Calculated from battery current data logged over a subset of total miles traveled, equal to 113,743 miles.



Trip Fuel Economy (MPG)



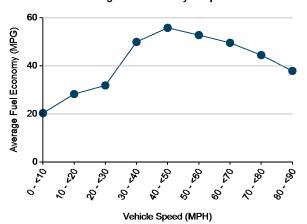
Distribution of Trip Fuel Economy² ³

<u>— 18 %</u> 15 % 1% 66 % Vehicle Stopped Engine Idling Vehicle Driving Engine Spinning Vehicle Stopped Engine Stopped Vehicle Driving Engine Stopped

Percent of Drive Time by Operating Mode²

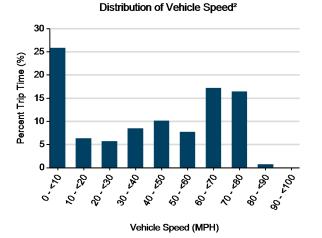
8/1/2012 8:14:41 AM 1 of 3 INL/MIS-11-22189

Average Fuel Economy at Speed^{2 3}

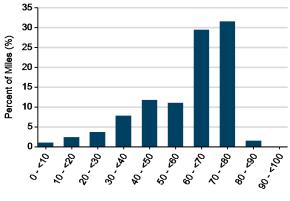


50 Average Fuel Economy (MPG) 40 30 20 10 0-40. 50 J

۲ *مد* ۲ م 10. 50 J ۲ ⁰63 کې 30, 540 J 9 Average Temp (Deg C)

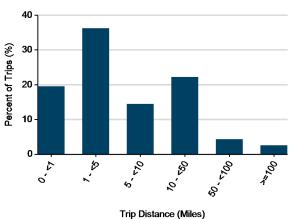


Distribution of Vehicle Speed²

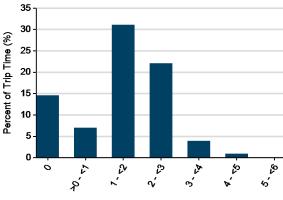


Vehicle Speed (MPH)

Distribution of Engine Speed When Vehicle is Moving²



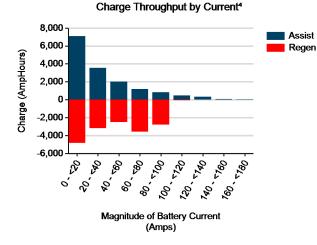
Distribution of Trip Distance²



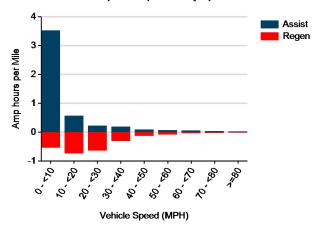
Engine Speed (RPM/1000)





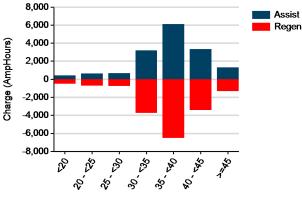


Amp Hours per Mile by Speed⁴



Total charge into battery pack (Ah)⁴: 16,923 Total charge out of battery pack (Ah)⁴: 15,621 Battery round trip efficiency⁴: 92%

Charge Throughput by Pack Temperature⁴



Bulk Battery Temp (Deg C)



