HEV Fleet Testing

2010 Honda Insight
VIN: 0141

Fleet Testing Results To Date

Operating Statistics

Distance Driven[1]: 121,396

Average Trip Distance[2]: 11.5 mi

Stop Time with Engine Idling[2]: 85%

Trip Type City/Highway[2]: 83%/17%

Operating Performance

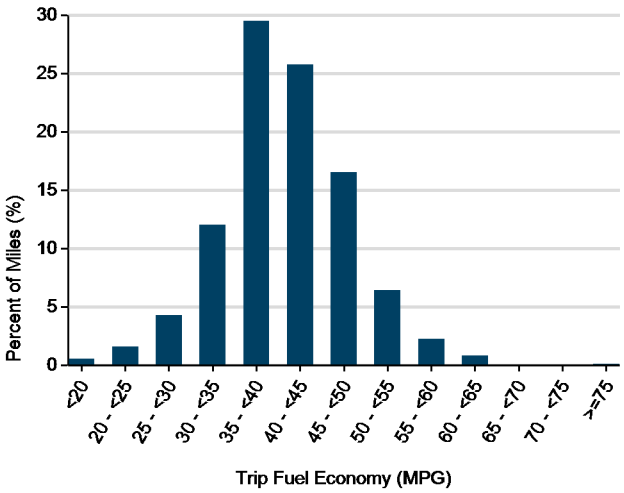
Cumulative MPG[1]: 41.7

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/

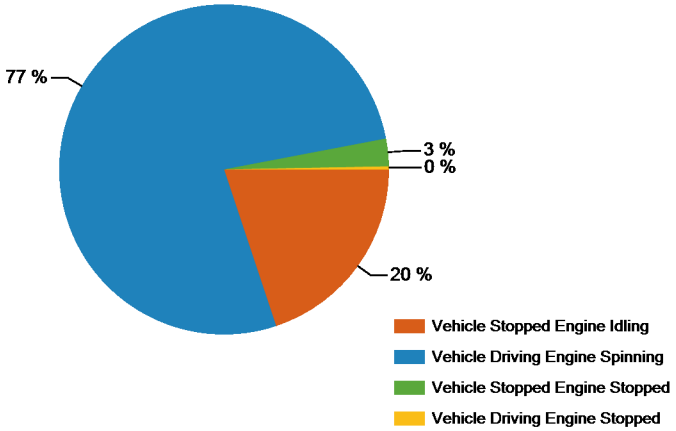
Test Notes

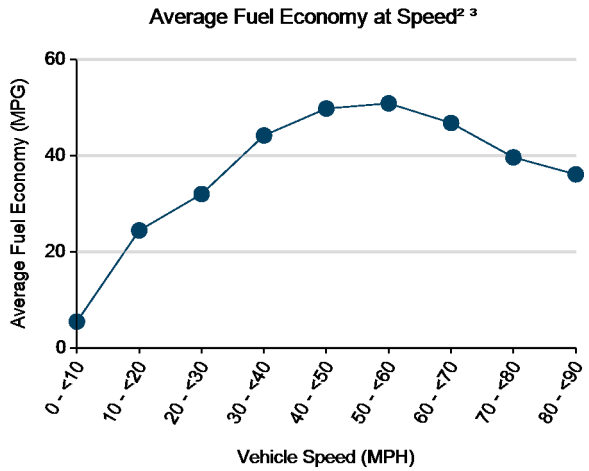
1. Calculated over the life of the vehicle based on odometer reading and fuel logs. More information available in Fleet Testing Fuel Economy sheet.
2. Calculated from electronic data logged over a subset of total miles traveled equal to 112,368 miles.
3. Fuel economy calculated for this figure using mass air flow over dynamic vehicle operation.
4. Calculated from battery power data logged over a subset of total miles traveled, equal to 95,991 miles.

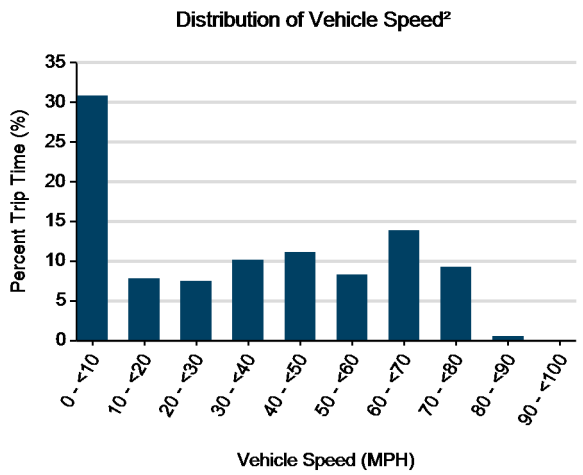
Distribution of Trip Fuel Economy[2 3]

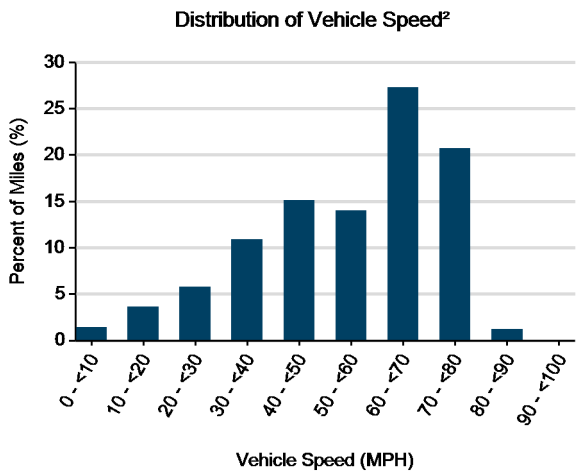


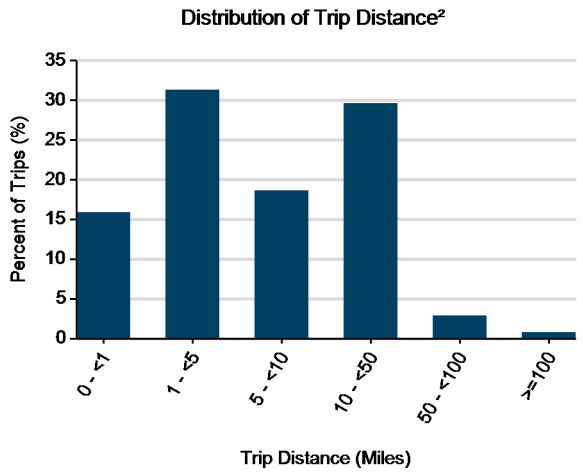
Percent of Drive Time by Operating Mode[2]

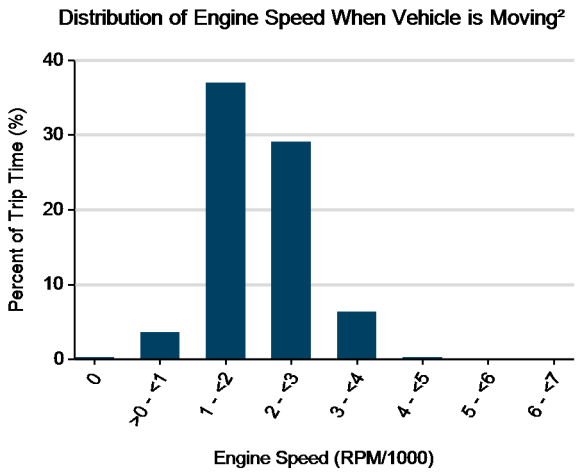


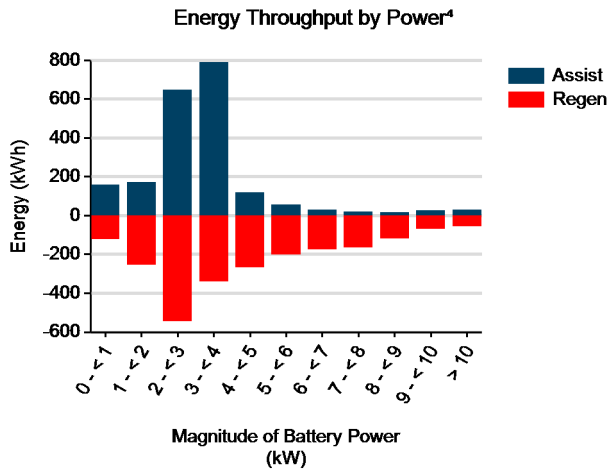

Average Fuel Economy at Speed[2 3]
Average Fuel Economy (MPG)
60
40
20
0
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
50 - <60
60 - <70
70 - <80
80 - <90
Vehicle Speed (MPH)

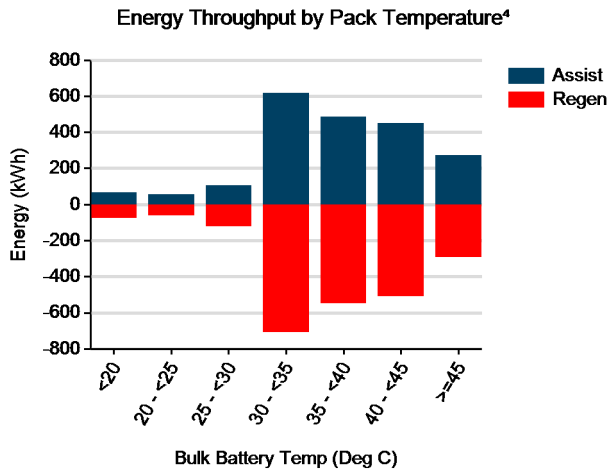

Distribution of Vehicle Speed[2]
Percent Trip Time (%)
35
30
25
20
15
10
5
0
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
50 - <60
60 - <70
70 - <80
80 - <90
90 - <100
Vehicle Speed (MPH)

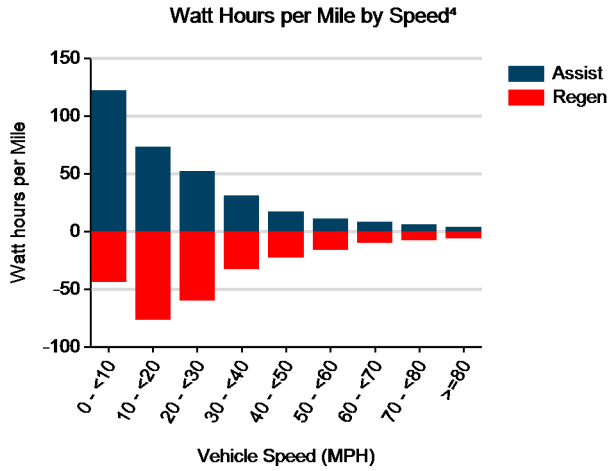

Distribution of Vehicle Speed[2]
Percent of Miles (%)
30
25
20
15
10
5
0
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
50 - <60
60 - <70
70 - <80
80 - <90
90 - <100
Vehicle Speed (MPH)

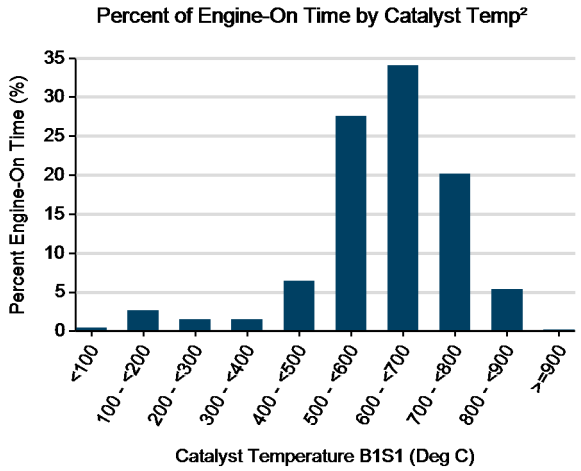

Distribution of Trip Distance[2]
Percent of Trips (%)
35
30
25
20
15
10
5
0
0 - <1
1 - <5
5 - <10
10 - <50
50 - <100
>=100
Trip Distance (Miles)


Distribution of Engine Speed When Vehicle is Moving[2]
Percent of Trip Time (%)
40
30
20
10
0
0
>0 - <1
1 - <2
2 - <3
3 - <4
4 - <5
5 - <6
6 - <7
Engine Speed (RPM/1000)









Total energy into battery pack (kWh)⁴: 2,321
Total energy out of battery pack (kWh)⁴: 2,056
Battery round trip energy efficiency⁴: 89%