HEV Fleet Testing

2010 Mercedes Benz

VIN: 295883

Fleet Testing Results To Date

Operating Statistics

Distance Driven[1]: 159,435

Average Trip Distance[2]: 16.0 mi

Stop Time with Engine Idling[2]: 66%

Trip Type City/Highway[2]: 76%/24%

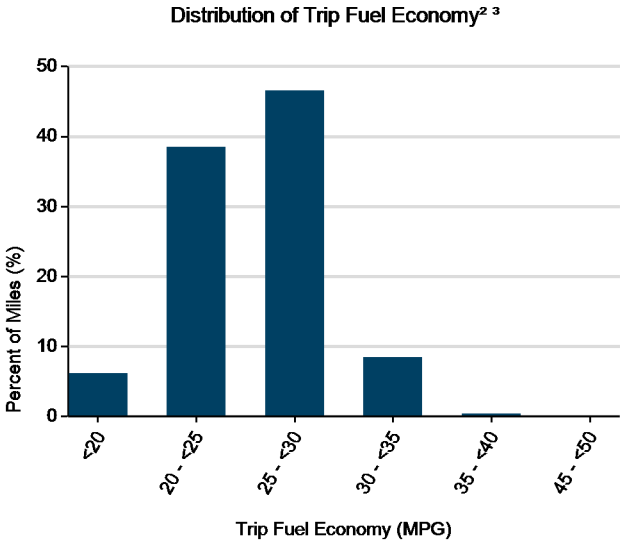
Operating Performance

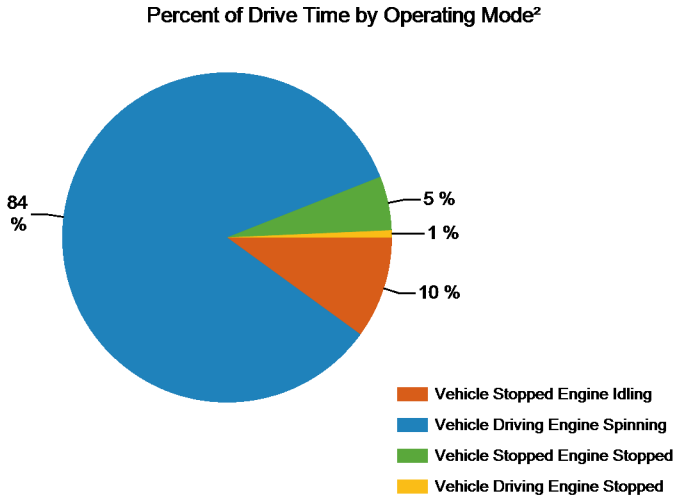
Cumulative MPG[1]: 25.5

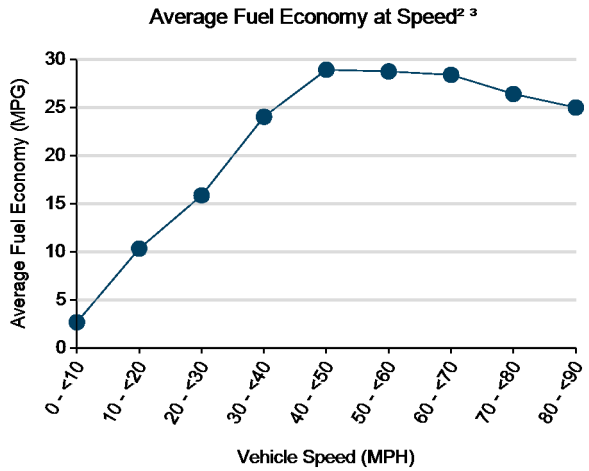
See HEV America Baseline Performance and Fleet Testing Fuel Economy fact sheets for more information on vehicle specifications and fuel usage reporting, available at http://avt.inl.gov/

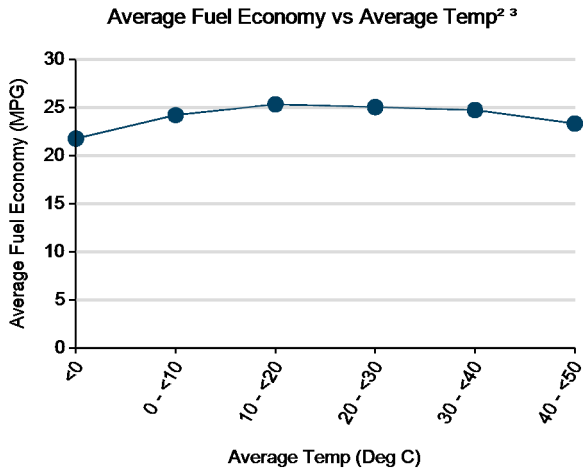
Test Notes

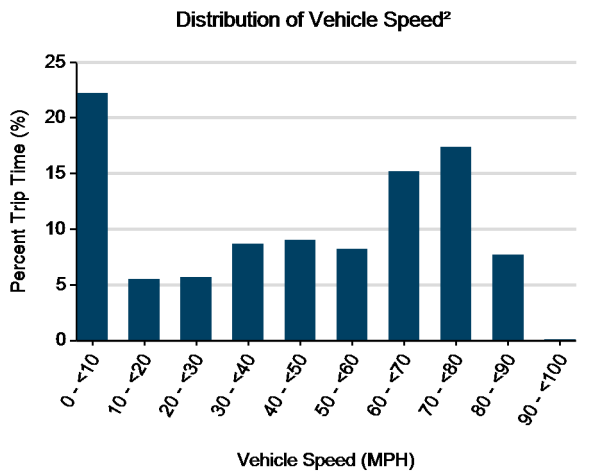
1. Calculated over the life of the vehicle based on odometer reading and fuel logs. More information available in Fleet Testing Fuel Economy sheet.
2. Calculated from electronic data logged over a subset of total miles traveled equal to 143,147 miles.
3. Fuel economy calculated for this figure using mass air flow over dynamic vehicle operation.
4. Calculated from battery current data logged over a subset of total miles traveled, equal to 140,763 miles.

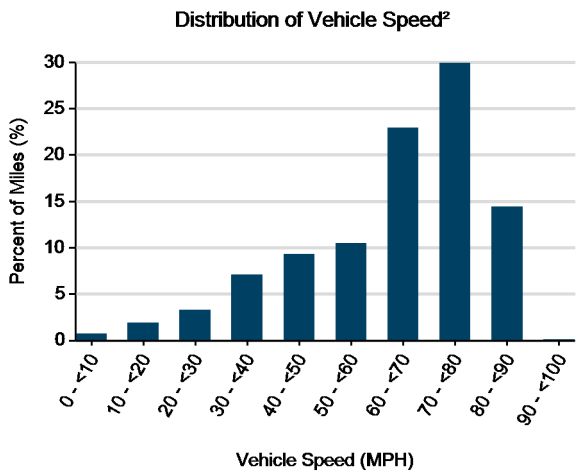


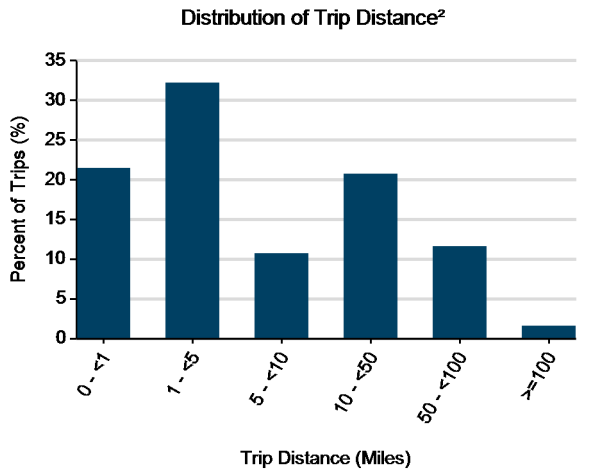


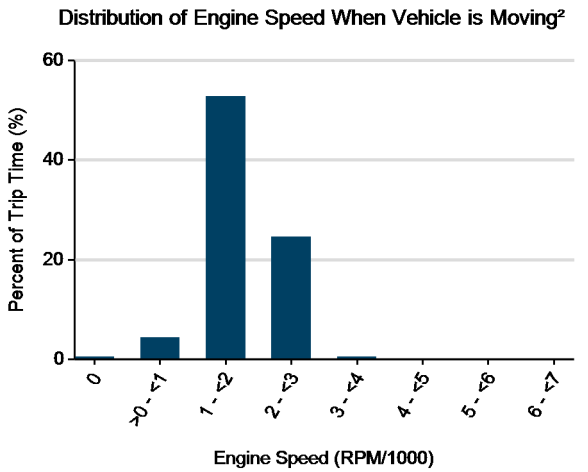

Average Fuel Economy at Speed[2 3]
Average Fuel Economy (MPG)
0
5
10
15
20
25
30
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
50 - <60
60 - <70
70 - <80
80 - <90
Vehicle Speed (MPH)

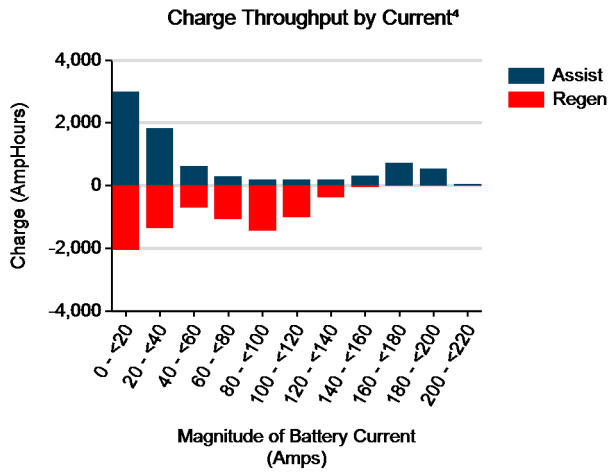

Average Fuel Economy vs Average Temp[2 3]
Average Fuel Economy (MPG)
0
5
10
15
20
25
30
<0
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
Average Temp (Deg C)

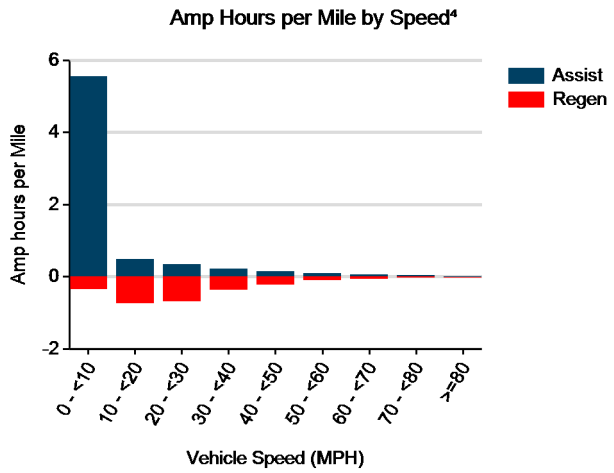

Distribution of Vehicle Speed[2]
Percent Trip Time (%)
0
5
10
15
20
25
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
50 - <60
60 - <70
70 - <80
80 - <90
90 - <100
Vehicle Speed (MPH)

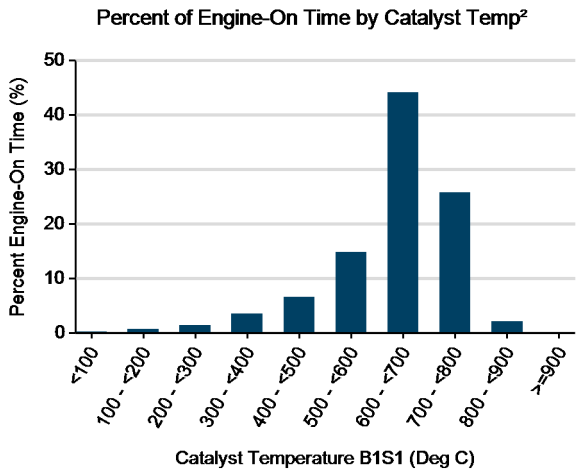

Distribution of Vehicle Speed[2]
Percent of Miles (%)
0
5
10
15
20
25
30
0 - <10
10 - <20
20 - <30
30 - <40
40 - <50
50 - <60
60 - <70
70 - <80
80 - <90
90 - <100
Vehicle Speed (MPH)


Distribution of Trip Distance[2]
Percent of Trips (%)
0
5
10
15
20
25
30
35
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 (%)
0
20
40
60
0
>0 - <1
1 - <2
2 - <3
3 - <4
4 - <5
5 - <6
6 - <7
Engine Speed (RPM/1000)







Total charge into battery pack (Ah)[4]: 18,850
Total charge out of battery pack (Ah)[4]: 18,420
Battery round trip efficiency[4]: 98%