



HEV Fleet Testing

Advanced Vehicle Testing Activity



**2005 Chevrolet
 Silverado
 1500HD
 Hydrogen ICE¹
 Conversion**

**North American
 Fleet Testing
 Results to Date
 June, 2009**

**A Strong Energy
 Portfolio for a Strong
 America**

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

Fleet Performance

Operating Statistics²:

- Vehicles in Fleet: 12
- Total Miles: 55,255
- Total Number of Trips: 9271
- Average Trip Distance (miles): 6.0
- Percent Idle Time: 16%³
- Percent Air Conditioner Run Time: 8.5%³

Operating Performance²:

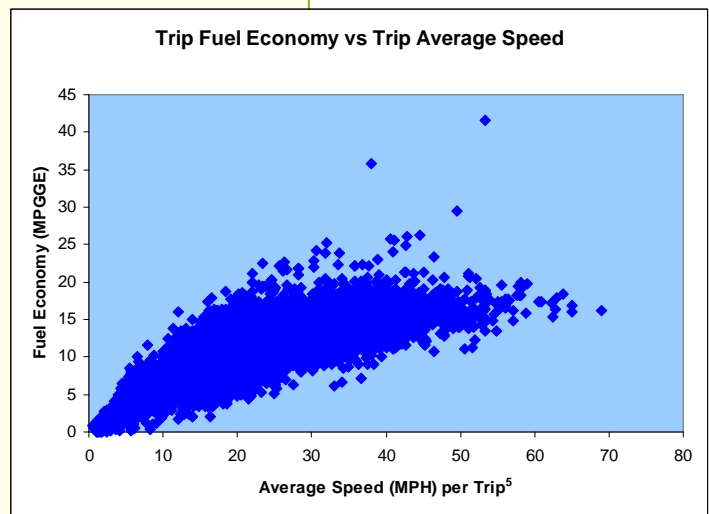
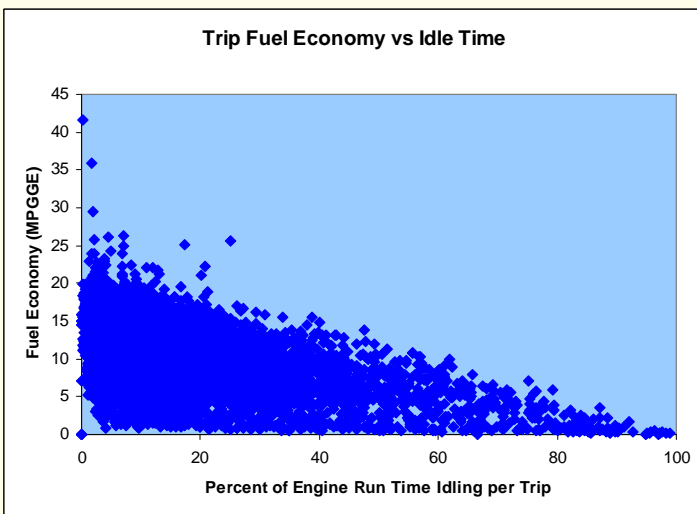
- Cumulative MPGGE⁴: 13.2
- Total Fuel Consumed (kg H₂): 4229
- Total Engine Run Time (hours): 2339
- Total Engine Idle Time (hours): 385

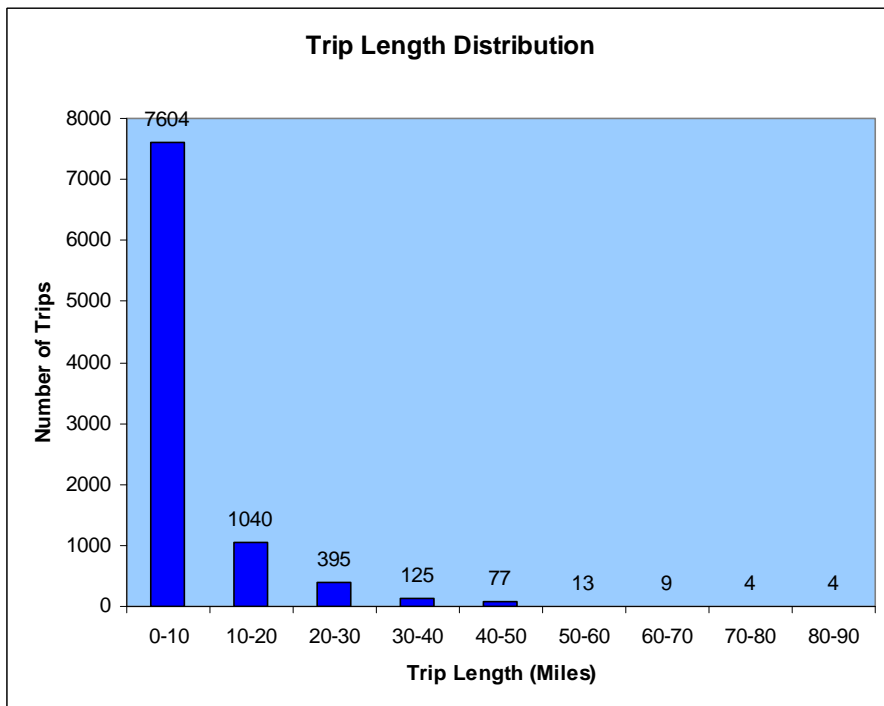
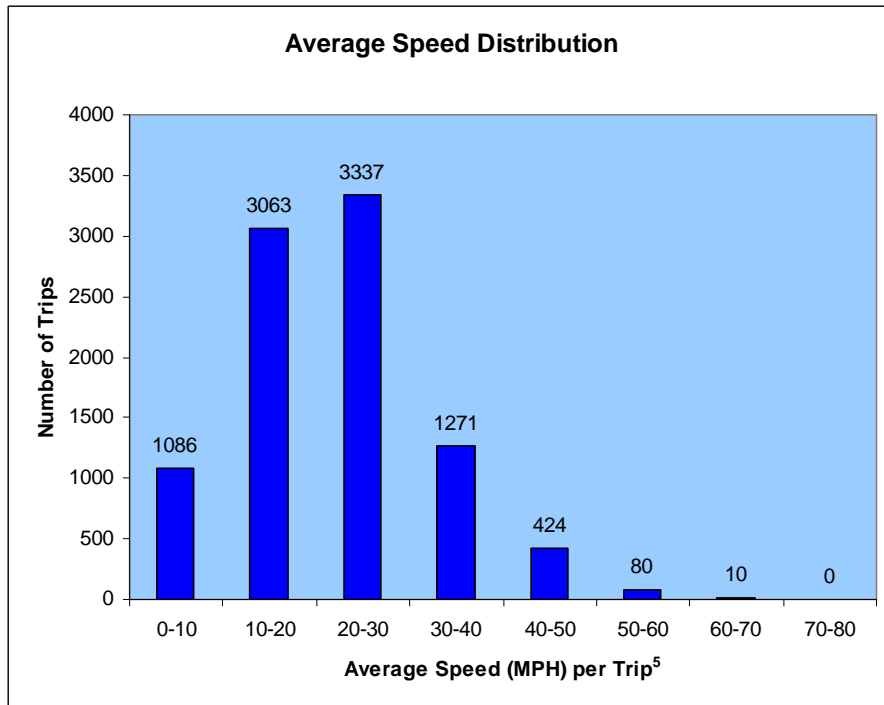
Vehicle Specifications

- Engine:** 6.0L V8
- Fuel Capacity:** 10.5 GGE
- Nominal Tank Pressure:** 5000 psi
- Seatbelt Positions:** Five
- Payload:** 2775 lbs
- Features:** 4 Speed Automatic Transmission

See HICEV America Baseline Performance Fact Sheet for more information.

For more information contact:
 EERE Information Center
 1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov





Notes:

1. Internal Combustion Engine
2. Data presented represents all electronically logged data, which is a subset of the overall fleet mileage
3. Percentage of total engine run hours
4. Miles per gallon gasoline equivalent (1 GGE = 1.012 kg H₂)
5. Average speed of vehicle when moving, idle time not included in calculation

