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Alternative Energy Options for Automotive Engines

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Abstract: Gradually escalating gasoline prices, increased environmental concerns, and poor international politics have sparked new interests for alternatively fueled vehicles. There are numerous alternative fuel technologies including gasoline-hybrids, diesels, electrical energy, as well as hydrogen and ethanol. These technologies are changing rapidly and consumers are having difficulty trying to make out which type of vehicle is the most worthy investment. This study provides a simple breakdown of the pros and cons of the alternative fuel technologies as well as a statistical review of the total ownership costs of the vehicle up to 100,000 miles.

Keywords: Alternative Fuels, Ethanol, Natural Gas, Hydrogen, Hybrid, Fuel Cell, Biodiesel

