Fuel Economy Guide 2009

Fuel economy in automobiles Consumption can be expressed in terms of the volume of fuel to travel a distance, or the distance traveled per unit volume of fuel consumed. Consumption can be expressed in terms The fuel economy of an automobile relates to the distance traveled by a vehicle and the amount of fuel consumed. The fuel economy of an automobile relates to the distance traveled by a vehicle and the amount of fuel consumed. Since fuel consumption of vehicles is a significant factor in air pollution, and since the importation of motor fuel can be a large part of a nation's foreign trade, many countries impose requirements for fuel economy e66c5952ba

Corporate average fuel economy Rather, it attempts to accomplish the goals indirectly, by making it more expensive for automakers to build inefficient vehicles by introducing penalties. CAFE neither directly offers incentives for customers to choose fuel efficient vehicles nor directly affects fuel prices. More recently, efficiency standards were developed and implemented for heavy-duty pickup trucks and

commercial medium-duty and heavy-duty vehicles. Corporate average fuel economy (CAFE) standards are regulations in the United States, first enacted by the United States Congress in 1975, after the 1973–74 Corporate average fuel economy (CAFE) standards are regulations in the United States, first enacted by the United States Congress in 1975, after the 1973–74 Arab Oil Embargo, to improve the average fuel economy of cars and light trucks (trucks, vans and sport utility vehicles) produced for sale in the United States e66c5952ba

Fuel cell vehicle A fuel cell vehicle (FCV) or fuel cell electric vehicle (FCEV) is an electric vehicle that uses a fuel cell, sometimes in combination with a small battery A fuel cell vehicle (FCV) or fuel cell electric vehicle (FCEV) is an electric vehicle that uses a fuel cell, sometimes in combination with a small battery or supercapacitor, to power its onboard electric motor. Most fuel cell vehicles are classified as zero-emissions vehicles. Fuel cells in vehicles generate electricity generally using oxygen from the air and compressed hydrogen. As compared with internal combustion vehicles, hydrogen vehicles centralize pollutants at the site of the hydrogen production, where hydrogen is typically derived from reformed natural gas. Fuel cells have been used in various kinds of vehicles including forklifts, especially in indoor

applications where their clean emissions are important to air quality. Transporting and storing hydrogen may also create pollutants e66c5952ba

Economy of Mongolia Mongolia also has extensive mineral deposits: copper, coal, molybdenum The economy of Mongolia has traditionally been based on agriculture and livestock. The economy of Mongolia has traditionally been based on agriculture and livestock. Mongolia was driven into deep recession. Soviet assistance, at its height one-third of gross domestic product (GDP), disappeared almost overnight in 1990–91, in the time of the collapse of the Soviet Union. Mongolia also has extensive mineral deposits: copper, coal, molybdenum, tin, tungsten, and gold account for a large part of industrial production e66c5952ba

Simple fuel-efficiency techniques can result in reduction in fuel consumption without resorting to radical fuel-saving techniques that can be unlawful and dangerous, such as tailgating larger vehicles. e66c5952ba

Energy-efficient driving Simple things such as keeping tires properly inflated, having a vehicle well-maintained and avoiding idling can dramatically improve fuel efficiency.

The use of multiple such techniques is called "hypermiling". (2009). Careful use of acceleration and deceleration and especially limiting use of high speeds helps efficiency. speed and energy consumption Fuel economy in automobiles Fuel efficiency Fuel saving device Plug-in hybrid Beusen; et al. Many drivers have the potential to improve their fuel efficiency significantly. "Using on-board logging Energy-efficient driving techniques are used by drivers who wish to reduce their fuel consumption, and thus maximize fuel efficiency e66c5952ba

Different methods are used to approximate the actual performance of the vehicle. The energy in fuel is required to overcome various losses (wind resistance, tire drag, and others) encountered while propelling the vehicle, and in providing power to vehicle systems such as ignition or air conditioning. Various strategies can be... e66c5952ba

Flexible-fuel vehicles in the United States Department of Energy, August 2014 (see pp. Despite the growing fleet of E85 flex-fuel vehicles, actual use of ethanol fuel is limited due to the lack of E85 refueling infrastructure and also because many North American flex-fuel car owners were not aware they owned an E85 flex-fuel vehicle. 39–43 for all E85 flex-fuel models The fleet of flexible-fuel vehicles in the United

States is the second largest in the world after Brazil, and there were more than 21 million 85 flex-fuel vehicles registered in the country by the end of 2017. Flex-fuel vehicles are common in the Midwest, where corn is a major crop and is the primary feedstock for ethanol fuel production. S. government has been using flex-fuel vehicles for many years. S. Environmental Protection Agency and U. Year 2014 Fuel Economy Guide, U. S. Also the U e66c5952ba

CAFE standards are administered by the secretary of transportation... e66c5952ba

Alternative fuel Alternative fuels include gaseous Alternative fuels, also known as non-conventional and advanced fuels, are fuels derived from sources other than petroleum. Alternative fuels include gaseous fossil fuels like propane, natural gas, methane, and ammonia; biofuels like biodiesel, bioalcohol, and refuse-derived fuel; and other renewable fuels like hydrogen and electricity. Alternative fuels, also known as non-conventional and advanced fuels, are fuels derived from sources other than petroleum e66c5952ba

Several common ethanol fuel mixtures are in use around the world. The use of pure

hydrous or anhydrous ethanol in internal combustion engines (ICEs) is possible only if the engines are designed or modified for that purpose. Anhydrous ethanol can be blended with gasoline (petrol) for use in gasoline engines, but with a high ethanol content only after engine modifications to meter increased fuel volume since pure ethanol contains only 2/3 the energy of an equivalent volume of pure gasoline. High percentage ethanol mixtures are used in some racing engine applications since the very high octane rating of ethanol... e66c5952ba

Ethanol fuel It is most often used as a motor fuel, mainly Ethanol fuel is fuel containing ethyl alcohol, the same type of alcohol as found in alcoholic beverages. It is most often used as a motor fuel, mainly as a biofuel additive for gasoline. Ethanol fuel is fuel containing ethyl alcohol, the same type of alcohol as found in alcoholic beverages e66c5952ba

U.S. flex-fuel vehicles are optimized to run on a maximum blend of 15% gasoline with 85% anhydrous ethanol (called E85 fuel). This limit... e66c5952ba These fuels are intended to substitute for more carbon intensive energy sources like gasoline and diesel in transportation and can help to contribute to decarbonization and reductions

in pollution. Alternative fuel is also shown to reduce non-carbon emissions such as the release of nitric oxide and nitrogen dioxide, as well as sulfur dioxide and other harmful gases in the exhaust. This is especially important in industries such as mining, where toxic gases can... e66c5952ba The most common... e66c5952ba Hydrogen can be produced by several means. Most hydrogen produced today is gray hydrogen, made from natural gas through steam methane reforming (SMR). This process accounted for 1.8% of global greenhouse gas emissions in 2021. Low-carbon hydrogen, which is made using SMR with carbon capture and storage (blue hydrogen), or through electrolysis of water... e66c5952ba

Flexible-fuel vehicle Flex-fuel vehicles are distinguished from bi-fuel vehicles, where two fuels are stored in separate tanks and the engine runs on one fuel at a time, for example, compressed natural gas (CNG), liquefied petroleum gas (LPG), or hydrogen. A flexible-fuel vehicle (FFV) or dual-fuel vehicle (colloquially called a flex-fuel vehicle) is an alternative fuel vehicle with an internal combustion A flexible-fuel vehicle (FFV) or dual-fuel vehicle (colloquially called a flex-fuel vehicle) is an alternative fuel vehicle with an internal combustion engine designed to run on more than one fuel, usually gasoline blended with either ethanol or methanol fuel, and both fuels are stored in the

same common tank. Modern flex-fuel engines are capable of burning any proportion of the resulting blend in the combustion chamber as fuel injection and spark timing are adjusted automatically according to the actual blend detected by a fuel composition sensor e66c5952ba

Economic growth picked up in 1997–99 after stalling in 1996 due to a series of natural disasters and increases in world prices of copper and cashmere. Public revenues and exports collapsed in 1998 and 1999 due to the repercussions of the 1997 Asian financial crisis. In August and September 1999, the economy suffered from a temporary Russian ban on exports of oil... e66c5952ba

Hydrogen economy In this context, hydrogen economy encompasses the production of hydrogen and the use of hydrogen in ways that contribute to phasing-out fossil fuels and limiting climate change. context, hydrogen economy encompasses the production of hydrogen and the use of hydrogen in ways that contribute to phasing-out fossil fuels and limiting climate The hydrogen economy is a term for the role hydrogen as an energy carrier to complement electricity as part a long-term option to reduce emissions of greenhouse gases. The aim is to reduce emissions where cheaper and

more energy-efficient clean solutions are not available e66c5952ba

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