

Improving the Environmental Friendliness and Efficiency of Automotive Equipment

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Abstract: The article describes the problem of improving the environmental friendliness and efficiency of automotive equipment based on the use of hybrid installations, the use of alternative fuels, which include various combustible gases, hydrogen-based fuel, electricity, water-fuel emulsions. The main advantages and disadvantages of using each of these fuels are described, and it is shown that the best engine performance is possible with the addition of 20 % water to the fuel, which reduces fuel consumption by up to 18 %, the amount of harmful emissions from the internal combustion engine of carbon monoxide up to 33 %, hydrocarbons up to 10 %.

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