

عنوان مقاله:

High Efficiency, Low Pollution Mining Haul Trucks Using Alternative Diesel Fuels

محل انتشار:

دومین همایش ملی تکنولوژی های نوین در شیمی و پتروشیمی (سال: 1394)

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خلاصه مقاله:

As public concern about environmental pollution and energy security increases, alternative diesel fuels, such as biodiesel and ethanol–diesel fuel blends, are receiving more and more attention. Although biodiesel cannot entirely replace petroleum-based fuels, biofuels and diesel fuel blends can be used on existing engines to achieve both environmental and energy benefits. Biodiesel has properties similar to those of traditional fossil diesel fuel such that it can be substituted for diesel fuel with little or no engine modification. In this article, using bio-fueled engines as an alternative fuel in heavy duty vehicle, Mining trucks, applications and the possibility of obtaining efficiencies which are higher than diesel engine efficiency will be briefly discussed.

کلمات کلیدی:

Engine Efficiency, Heavy Duty Trucks, Biodiesel, Mining Trucks, Environmental Pollution

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