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Effects on Diesel Engine Characteristics and Emission of Nanofluids Blends with Diesel

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Abstract : In current research moreover studied the performance and emission characteristics of different fuels in VCR engines. In this paper observed the performance and emission characteristics of nano fuel as additives with diesel in a different composition. In a future conducting experiment to evaluate the effect of cerium and magnesium oxide level 1% of diesel. The experiments to be perform in 4 stroke water cooled diesel engine at constant 1650 RPM, over different load condition. The properties such a viscosity, flash point and calorific value were determined as per standards. The experiment was conducted using diesel and nanoparticles blends with different ratios.

Keywords : Diesel engine, CeO₂ and MgO nanoparticles, ultrasonicator.

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