Abstract

Nano-additives blended water-diesel emulsion fuel is the alternative fuel for compression ignition (CI) engine that reduce the NOx emission and at the same time increase the brake thermal efficiency due to combined effect of nanoparticles and micro explosion phenomenon of water diesel emulsion. This review paper addresses emulsion, emulsion types, micro-explosion phenomenon of water-diesel emulsion and impact of nano-additive blended water diesel emulsion on the performance and exhaust emission of CI engine. Further, this review paper
discusses the long run scope of nanoparticles in water diesel emulsion.
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**Index Terms**

Computer Science  
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**Keywords**

Micro-explosion  
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