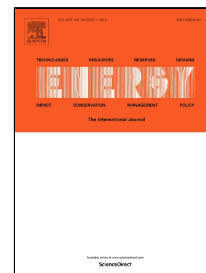


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Effects of Graphite Oxide and Single-Walled Carbon Nanotubes as Diesel Additives on the Performance, Combustion, and Emission Characteristics of a Light-Duty Diesel Engine



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1 Effects of Graphite Oxide and Single-Walled Carbon Nanotubes as
2 Diesel Additives on the Performance, Combustion, and Emission
3 Characteristics of a Light-Duty Diesel Engine

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11

12 **HIGHLIGHTS**

- 13 • Effects of carbon and metal nanoparticles as diesel additives were studied.
14 • Lack of dispersion stability of nanoparticles in diesel is a serious challenge.
15 • Improved engine performance and reduced emissions achieved with SDD and GDD fuels.
16 • SDD and GDD fuels perform better than diesel and CDD fuel.
17 • Single-walled carbon nanotubes is the most effective additive for diesel fuel.

18

19 *Keywords:*

20 Nanoparticle
21 Graphite oxide
22 Single-walled carbon nanotubes
23 Fuel additive
24 Diesel fuel
25 Diesel engine

26

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