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Combustion and emission analysis of fishing-boat diesel engine running on diesel-ethanol-biodiesel-ceria-alumina nano blends [\[PDF\] from niscpr.res.in](#)

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Description It is found that the stability of diesel-ethanol blends improved with the addition of canola oil biodiesel. Heat Release Rate (HRR) and cylinder pressure were found to increase with the increase in ceria-alumina nanoparticle concentration. Also emission of Hydrocarbon (HC), Carbon monoxide (CO), Oxides of nitrogen (NO_x), smoke opacity and Carbon di-oxide (CO₂) decreased with the increase in ceria-alumina nanoparticles concentration.

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