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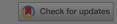
Articles

Experimental investigations on a variable compression ratio (VCR) CIDI engine with a blend of methyl esters palm stearin-diesel for performance and emissions

A. R. Babu , G. Amba Prasad Rao & T. Hari Prasad

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ABSTRACT

The present work deals with an experimental evaluation of the existing diesel engine with a blend of methyl esters of palm stearin (PS) oil and petro-diesel under varying injection pressures and compression ratios (CRs). It was observed that the brake

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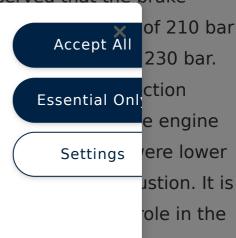
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reduction of emissions. The study revealed that PS could be explored as a source for producing biodiesel effectively with environmental concerns.

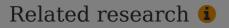
Q KEYWORDS: CI engine PSME40 blend fuel injection pressures compression ratios engine performance exhaust emissions

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Disclosure statement

No potential conflict of interest was reported by the authors.



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