

PERFORMANCE AND EMISSION ANALYSIS OF BIODIESEL (JATROPHA+CHICKEN FAT) ON DIESEL ENGINE

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ABSTRACT

Bio fuel has been regarded as potential alternative fuel for partial substitution of petrodiesel. Jatropha curcas which is one of the sources of bio-diesel, are easily available in tropical and sub-tropical areas. A number of plantation practices and engine test runs have been conducted across the world, which has been successful to demonstrate it as alternative source of fuel. The article here thus tries to compile some of the important aspects of Jatropha, and chicken fat oil, which is hoped to be an aided tools for researchers and to internalize in their respective areas for the promotion of jatropha curcas and chicken fat oil to provide complimentary support in substituting petro-diesel in future, especially in developing countries.

KEYWORDS: Diesel Engine Performance, Biodiesel Blends, Performance Analysis