

同游太常常极自然科学版

本刊简介

Introduction of Journal

征稿启事

论文格式

柴油出租车燃用麻疯树制生物柴油的试验研究

Experimental Research of Diesel Taxis Fueled by Jatropha-based

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中图分

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中文摘要

对柴油出租车燃用生物柴油体积混合比例分别为10%(简称BD10)和5%(简称BD5)的石化柴油麻疯树制生物柴油混合燃料及柴油(f 结果表明:柴油出租车燃用BD10, BD5的排放性能稳定,低于现行国f II标准规定的排放限值;与BD0比较,柴油出租车燃用BD10的百公f I5.3%, 9.1%, 15.9%, 8.9%; 燃用BD5的百公里油耗基本相当, NOx+HC, NOx, CO及颗粒物排放分别降低3.5%, 4.9%, 1

英文摘要

An experimental research was made into the diesel taxis on its fuel economy, pollution emission, and reliability biodiesel blend with conventional diesel (volume ratio, recording as BD10 and BD5 respectively). The experimental resu taxis fueled by BD10 and BD5 are fully complied with current national emission standards. The fuel consumption per 10 little higher than that of conventional diesel fueled taxies, and the NOx+HC, NOx, CO and PM emission of BD10 fueled ta respectively. Moreover, the fuel consumption per 100 kilometers of BD5 fueled diesel taxies is almost the same with th NOx+HC, NOx, CO and PM emission of BD5 fueled taxies reduces about 3.5%, 4.9%, 10.5% and 3.6% respectively. And, the depos fueled taxies increases a little, which, however, does not affect the taxi work.