

Research and Development Project on Bio-Ethanol Fuels for Diesel Vehicles in Thailand

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Abstract

Alternative fuel has received the global interest, especially bio-diesel and bio-ethanol. This research project concentrates on diesohol, which comprises of 89% diesel, 10% ethanol (with 99.5% purity) and 1% emulsifier. After the injection test, the fuel was then tested for chemical and physical properties. Furthermore, vehicle performance, exhaust emission and material compatibility were tested using two 2.5 liter Ford Rangers.