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Generation of Plastic Oil Fuel from High densityWaste Plastics

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Abstract:The wasted plastic material is produced in India only 15000 tons per day. The wasted plastic materials hurt the humans, animals, birds, earth and environment. For eradicating wasted plastic material may require around 500 years in the globe. Every year 65% waste plastic is dumped in the natural environment system (River, Lake and ocean). The technology is used to convert these waste plastic into oil fuel by using pyrolysis method. The pyrolysis method is the heating waste plastic substance in the absence of oxygen gas. In this study high temperature is needed for this process. Plastic oil properties are like Petrol, diesel and kerosene. By performing this hypothesis, It can be reduced 70-80% of waste plastic and can be provide 55% oil for diesel vehicles. The plastic oil fuel does not discharge sulfur dioxide and increases vehicle efficiency. By transforming plastics to oil fuel and solve two issues, one of the large waste plastic seas, and the other of the shortage of fuel.

Key words:Waste plastic oil, Pyrolysis method and Plastic diesel.

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