

## COMPARATIVE STUDY OF FUELS FROM RUBBER WITH THOSE OF KEROSENE AND DIESEL OIL

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Four grades of fuels have been obtained from rubber, having the following boiling ranges. (a) 80-170°C (b) 170-250°C, (c) 250-300°C, (d) 300-320°C.

An investigation of physical characteristics such as Flash Point, Anilin Point, Specific Gravity and Viscosity has been carried out on these four grades of oil. The properties of grades (a) and (b) are similar to Kerosene, while those of (c) and (d) are similar to Diesel Oil.

A blend of (b), (c) and (d) yield a product having fuel characteristics similar to that of motor diesel oil and a blend of (c) and (d) produced a diesel oil which could be used as heavy diesel oil.

The above grades of oil have been successfully used in tractors, water pumps, petromax and kerosene cookers.