

Abstract

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Lubricant Base from Palm Oil and Its By-Product

The invention relates to a biodegradable functional fluid composition based on vegetable oil. This functional fluid suitable for lubricant, hydraulic and like fluid comprises palm olein and its by-product generated from fractionation of palm oil. The by-product is esterified by a hindered alcohol prior to blend together with palm olein and additive packages. The hydraulic fluid particularly suited for tropical climate with temperature ranging from 15-40°C.

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