



A study of rheological behavior for refined rapeseed oil

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Abstract The refined rapeseed oil were carefully studied in recent years because they may constitute a raw material for biodegradable lubricants getting organic. These oils are an alternative to synthetic mineral oils. This article presents rheological behavior of refined rapeseed oil. The dynamic viscosity of refined rapeseed oil was determined at temperatures range between 313 – 363 K and shear rates range from 3.3 – 120 s⁻¹. For temperature ranging between 313 – 363 K refined rapeseed oil has a Bingham fluid behavior.

Keywords: rheological behaviour, refined rapeseed oil
