

## **Physicochemical Behaviour of Soy Biodiesel Submitted to Extreme Conditions**

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This paper analyses four quantities related to the characterization of the soybean biodiesel transesterified with methanol: viscosity, density, surface tension and water content, when submitted to different temperature conditions and when subjected to different environments, to speed up the process of degradation of the samples. Some samples were placed inside a kiln at a temperature of  $(40 \pm 4)$  °C and others at a temperature of  $(20 \pm 1)$  °C. Initial results are reported as well as results at 30, 60, and 90 days.