

Physical and chemical properties of biodiesel from fish and chicken oils.

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Abstract

Biodiesel is a renewable ecological fuel obtained through processing of animal and vegetable fats and recycled cooking oils. Our study is to measure the density and the viscosity of the biodiesel from fish and chicken oils depending on the temperature. This study showed that the density and the viscosity of the fish and the chicken biodiesel decrease with the temperature. This allowed us to conclude that the resulting biodiesel has very similar properties to the biodiesel used by the engines.

Keywords :

Density, Viscosity, Fish oil, Chicken oil, Biodiesel, Temperature.