Analysis of difference in physical and chemical properties of virgin and recycled oil – A review paper

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Abstract

The aim of this paper is to investigate the difference in physical and chemical properties that occur between the virgin and recycled oil. Physical and chemical properties provide important information about the fluid and these may include parameters such as viscosity, viscosity index, flash point, pour point, base number, etc. In order to analyse that how effectively can the recycled oil be used, we have to know that to which extent the basic parameters of oil have changed due to addition of impurities. The various methods used to observe these differences include Fourier transform infrared analysis, Atomic absorption, Inductive couple plasma, etc. The quality of purification method can be assured by physical and chemical oil analysis.