

LOW SULFUR, LOW ASH AND LOW PHOSPHOROUS LUBRICANT ADDITIVE AND COMPOSITION

Abstract

A lubricating oil composition is disclosed. This composition, comprises a lubricating oil basestock, an alkylated aromatic additive of at least 0.01 and less than 20 weight percent of the composition, a dispersant-detergent-inhibitor system of less than 15 percent weight percent of the composition, a zinc dithiophosphate additive of at least 0.1 weight percent of the composition and no more than 1.0 weight percent of the composition, the composition having less than 630 PPM phosphorus, less than 710 PPM zinc, less than 5,000 PPM sulfur, less than 8 TBN5 less than 1.0 weight percent ash. In a second embodiment, an additive composition for lubricating oils is disclosed. In a third embodiment, a method of obtain a favorable lubricating properties is disclosed.

Figure 1