

Title (en)

LOW SAP ENGINE LUBRICANT ADDITIVE AND COMPOSITION CONTAINING NON-CORROSIVE SULFUR COMPOUND AND ORGANIC BORATES

Title (de)

LOW-SAP-MOTORSCHMIERMITTELZUSATZ UND ZUSAMMENSETZUNG MIT NICHT-KORROSIVER SCHWEFELVERBINDUNG UND ORGANISCHEN BORATEN

Title (fr)

ADDITIF ET COMPOSITION LUBRIFIANTES POUR MOTEUR À FAIBLE TAUX DE SOUFRE, DE CENDRE ET DE PHOSPHORE CONTENANT UN COMPOSÉ SOUFRÉ NON CORROSIF ET DES BORATES ORGANIQUES

Publication

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Application

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Abstract (en)

[origin: WO2007120712A2] The present invention is directed to a lubricating oil composition comprising a lubricating oil basestock, a boron-containing additive of at least 0.1 weight percent of the composition and less than 8.0 weight percent, and ashless sulfur additive of at least 0.1 weight percent of the composition and less than 4.0 weight percent, a dispersant- detergent-inhibitor system of less than 15 percent weight percent of the composition, a zinc dithiophosphate additive of at least 0.2 weight percent of the composition and less than 2.0 weight percent of the composition. The elements in the formulated oil composition having at least 100 and less than 630 PPM phosphorus, at least 1,000 PPM and less than 3,000 PPM, at least 100 and less than 630 ppm Phosphorous, and at least 105 PPM and less than 710 PPM zinc. In a second embodiment, an additive composition for lubricating oils is disclosed. In a third embodiment, a method to obtain favorable lubricating properties is disclosed.

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Opponent : Afton Chemical Corporation

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