

Title (en)

A lubricating oil composition comprising a mixture of potassium overbased detergent and calcium overbased detergent

Title (de)

Schmiermittelzusammensetzung enthaltend ein Gemisch aus überbasischem Kalium enthaltenden Detergenz und überbasischem Calcium enthaltenden Detergenz

Title (fr)

Composition lubrifiante comprenant un mélange d'un détergent surbasique de potassium et d'un détergent surbasique de calcium

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Application

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Abstract (en)

The present invention is directed to a lubricating oil composition comprising (a) a major amount of an oil of lubricating viscosity (b) a mixture of a potassium overbased detergent and a calcium overbased detergent (c) one or more anti-oxidants (d) one or more derivatized succinimide dispersants and (e) one or more anti-wear agents, wherein the lubricating oil composition contains no more than 0.12 weight percent phosphorus, and provided the lubricating oil composition does not contain a di-alkyl carboxylate. The present invention is also directed to a lubricating oil composition comprising (a) an oil of lubricating viscosity (b) a mixture of a potassium overbased mono-alkyl carboxylate and a calcium overbased alkylaryl sulfonate (c) an amine-containing anti-oxidant (d) an ethylene carbonate treated succinimide dispersant and (e) a phosphorus-containing anti-wear agent, wherein the lubricating oil composition contains no more than 0.1 weight percent of potassium and no more than 0.12 weight percent phosphorus and provided the lubricating oil composition does not contain a di-alkyl carboxylate. The present invention is also directed to method for reducing catalyst poisoning in exhaust after treatment systems in internal combustion engines, which comprises operating the engine with the lubricating oil compositions of the present invention.

IPC 8 full level

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Citation (search report)

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