Title (en)

LUBRICATING-OIL COMPOSITION

Title (de)

SCHMIERÖLZUSAMMENSETZUNG

Title (fr)

COMPOSITION D'HUILE LUBRIFIANTE

Publication

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Application

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Priority

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- JP 2014056068 W 20140307

Abstract (en)

The lubricating oil composition of the present invention comprises a base oil that contains at least one selected from the group consisting of a mineral oil and a synthetic oil, has a viscosity index of 120 or more, and has a paraffin content by ring analysis of 70% or more; (A) a dispersant containing one or more compounds selected from the group consisting of an alkenylsuccinimide, a boronated alkenylsuccinimide, an alkylsuccinimide and a boronated alkylsuccinimide; and (B) a metallic detergent containing one or more compounds selected from the group consisting of an alkali metal sulfonate, an alkali metal phenate, an alkali metal salicylate, an alkaline earth metal sulfonate, an alkaline earth metal phenate, and an alkaline earth metal salicylate; wherein the component (A) is contained in an amount of from 0.01% by mass to 0.10% by mass in terms of the nitrogen content thereof based on the total amount of the composition, the component (B) is contained in an amount of from 0.01% by mass to 0.3% by mass in terms of the metal content thereof based on the total amount of the composition, at least one or more compounds selected from the group consisting of a boronated alkenylsuccinimide and a boronated alkylsuccinimide in the component (A) are contained, the ratio by mass of boron to nitrogen B/N in the component (A) is 0.5 or more, the phosphorus content based on the total amount of the composition is from 100 ppm by mass to 1200 ppm by mass, and the sulfated ash content based on the total amount of the composition is 1.1% by mass or less. Accordingly, even when used in automobile internal combustion engines capable of increasing the thermal and mechanical durability temperature thereof more than before and capable of realizing power increase and fuel efficiency, the lubricating oil composition can prevent engine performance degradation and therefore can satisfy both the requirements of engine performance and engine durability.

IPC 8 full level

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