

Title (en)
LUBRICATING OIL COMPOSITION

Title (de)
SCHMIERÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE

Publication
EP 2690163 A4 20141022 (EN)

Application
EP 11862154 A 20110913

Priority
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Abstract (en)
[origin: EP2690163A1] The present invention provides a lubricating oil composition which can meet the demand for such fuel saving performance as exceeds the fuel saving performance of a conventional low viscosity lubricating oil composition. The lubricating oil composition comprises (A) a lubricating base oil having a %C A of 2 or less and adjusted to have a 100 °C kinematic viscosity of 1.5 to 4.5 mm²/s and (B) a viscosity index improver comprising (B1) a poly(meth)acrylate having a weight-average molecular weight of 50,000 or less in an amount of 1 to 10 percent by mass and (B2) a poly(meth)acrylate having a weight-average molecular weight of 100,000 to 250,000 in an amount of 0.1 to 5 percent by mass on the total composition mass basis, the composition having a 80 °C high-shear viscosity (Vs: mPa·s) and a 80 °C kinematic viscosity (Vk: mm²/s) ratio (Vs/Vk) of less than 1 and a coefficient of traction of 0.02 or less at 40 °C, an average speed of 3.0 m/s, a slip ratio of 10%, and a contact pressure of 0.4 GPa.

IPC 8 full level
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Citation (search report)
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