

Title (en)
RUST-PREVENTIVE OIL COMPOSITION

Title (de)
ROSTVERHINDERNDE ÖLZUSAMMENSETZUNG

Title (fr)
COMPOSITION HUILEUSE ANTIROUILLE

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Abstract (en)
The rust preventive oil composition according to the present invention contains at least one kind of sulfonate of 1 to 10% by mass selected from a group consisting of an alkaline metal sulfonate, an alkaline earth-metal sulfonate (with the exception of barium sulfonate) and an amine sulfonate based on the total weight of the composition in at least one kind of base oil selected from a group consisting of a mineral oil and a synthetic oil, and the contents of barium, zinc, chlorine and lead are each 1000ppm by mass or less based on the total weight by element conversion of the composition, and the content of a compound having a group represented by the following general formula (1): <CHEM> Åwherein R<1> represents an alkyl group having 1 to 24 carbon atoms , R<2> represents an alkylene group having 2 to 4 carbon atoms, m represents an integer of 1 to 5 and n represents an integer of 1 to 6 is 1000ppm by mass or less based on the total weight of the composition. <IMAGE>

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Cited by
EP2476780A4; EP1995299A4; US2011008634A1; CN104342252A; AU2007253453B2; RU2483099C2; CN102242008A; EP4134417A4; US8586514B2; WO2008084884A1; WO2007135017A1; WO2014117281A1; US10622741B2; TWI424052B

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