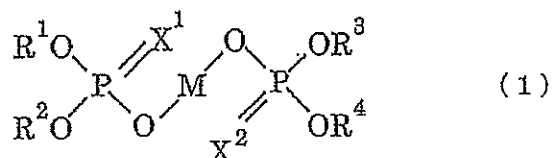


# ADDITIVE COMPOSITION FOR LUBRICATING OIL

## ABSTRACT

The present invention provides an additive composition for a lubricating oil that comprises a metal salt of a phosphorus-containing compound, is easy to produce, does not have adverse effects such as causing rubber seals to swell, and is excellent in storage stability. The additive composition comprises a metal salt of a phosphorus-containing compound represented by formula (1) in an amount of 10 to 90 percent by mass on the basis of the composition, contained in a hydrocarbon solvent selected from a mineral oil, a hydrocarbon synthetic oil and a mixture thereof, the hydrocarbon solvent having a 100°C kinematic viscosity of 0.5 to 4.5 mm<sup>2</sup>/s, a %C<sub>A</sub> of 3 or less, and a sulfur content of 0.05 percent by mass or less:



wherein X<sup>1</sup> and X<sup>2</sup> are each independently oxygen or sulfur, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are each independently a straight-chain alkyl group having 3 to 12 carbon atoms, the average of the carbon number is 5 or greater, and

M is a divalent metal atom.

No. Figure