

ABSTRACT

The present invention provides a lubricating oil composition in contact with a silver-containing material, which comprises: a lubricant base oil made of a mineral base oil and/or a synthetic base oil; (A) metallic detergent; (B) one or more species of alkenyl succinimide and/or boron-containing alkenyl succinimide; and (C) zinc dialkyl dithiophosphate, wherein the content of these components to the total mass of the lubricating oil composition are defined as, (A) component: 0.12-2.0 mass % as metal content; (B) component: 0-0.03 mass % as boron content, 0.005 mass % to less than 0.08 mass % as nitrogen content, and the mass ratio (B/N) between the boron content (B) and the nitrogen content (N) is 0-0.55; and (C) component: 0.005-0.10 mass % as phosphorous content. As a lubricating oil in contact with silver-containing material, the lubricating oil composition can inhibit sulfidation corrosion of silver while containing zinc dialkyl dithiophosphate.