

ABSTRACT

As a system lubricating oil for crosshead diesel engines that has excellent high temperature detergency and anti-coking properties with little generation of deposits even when using a base oil with a high saturated hydrocarbon content, the disclosure provides (i) a lubricating oil composition including a base oil (A) with a kinematic viscosity at 100°C of 8.2-12.6 mm²/s and a saturated hydrocarbon content of 90% by mass or more, a metallic detergent (B) and a zinc dithiophosphate (C), wherein a content of the metallic detergent (B) is 2.5 mmol or more as a soap content concentration per 100 g of the composition, a phosphorous content is 200-1000 mass ppm, and a base number is 7.5 mg KOH/g or more, and (ii) a lubricating oil composition including the base oil (A), the metallic detergent (B), the zinc dithiophosphate (C) and an amine-based antioxidant (E), wherein a content of the amine-based antioxidant (E) is 0.3% by mass or more in terms of total content of the composition, a base number is 6.5 mg KOH/g or more, and a phosphorous content is 200-1000 mass ppm.