

ABSTRACT

A cylinder lubricating oil composition for a crosshead diesel engine equipped with a scrubber, including: a base oil; and (A) a metallic detergent, wherein the composition has a base number of 15 to 125 mgKOH/g, and a kinematic viscosity at 100°C of 10 to 30 mm²/s; and the composition satisfies the requirement (i) or (ii): (i) the composition includes: (B) 0.02 to 5.0 mass% of a demulsifier; (ii) the composition includes, as the component (A), (A1) a Ca phenate detergent; and (A2) a metallic detergent other than Ca phenate; the composition optionally includes (C-1') 0.015 mass% or less in terms of nitrogen of a succinimide dispersant or a borated derivative thereof; and the Ph value of the formula (1) is 20×10^{-3} or less:

$$\text{Ph value} = C_{\text{Ca}} \times 2 / (r_{\text{M}} \times 40.08) \quad \cdots (1)$$

wherein C_{Ca} represents calcium content (mass%) derived from the component (A1), and r_{M} represents a metal ratio of the component (A1).