# CLAIMS

1. A cylinder lubricating oil composition for a crosshead diesel engine, comprising:

a base oil including

(A) a mineral lubricating base oil with a saturated hydrocarbon content of 90% by mass or more, a sulfur content of 0.03% by mass or less in terms of element content, a viscosity index of 80 or more, and a kinematic viscosity at 100°C of 10 $mm^2/s$ to 20 $mm^2/s$;

(B) 3% by mass or more, in terms of total content of the base oil, of an extract yielded as a by-product during solvent refining in a mineral lubricating base oil manufacturing process, the extract containing 15% or more of aromatic hydrocarbon compounds ($\%C_A$) according to a composition analysis method stipulated in ASTM D2140; and

(C) 5% to 50% by mass, in terms of total content of the base oil, of a high molecular weight compound based synthetic oil that is an olefin polymer having a carbon number of 4 or more or is a hydride thereof and that has a kinematic viscosity at 100°C of 20 $mm^2/s$ to 400 $mm^2/s$,

the base oil being compounded with:

(D) a metallic detergent; and

(E) an ashless dispersant.

2. The cylinder lubricating oil composition for a crosshead diesel engine according to claim 1, wherein component (B) is an extract with a PCA content of less than 3% by mass.

3. The cylinder lubricating oil composition for a crosshead diesel engine according to claim 1 or 2, wherein component (B) is an extract with an MI value of less than 1.0, a benzo[a]pyrene content of 1 mg/kg or less, and a particular aromatic compound (PAH) content of 10 mg/kg or less.

4. The cylinder lubricating oil composition for a crosshead diesel engine according to any one of claims 1 to 3, wherein component (C) is a

polybutene-based synthetic oil and/or a poly-α-olefin-based synthetic oil.

5. The cylinder lubricating oil composition for a crosshead diesel engine according to any one of claims 1 to 4, wherein kinematic viscosity at 100°C is 12.5 $mm^2/s$ to 21.9 $mm^2/s$, and a base number is 20 mg KOH/g to 100 mg KOH/g (perchloric acid method).