

CYLINDER LUBRICATING OIL COMPOSITION FOR CROSSHEAD DIESEL ENGINE

A cylinder lubricating oil composition for crosshead diesel engines that generates few deposits even when using a group II or III base oil includes base
5 oil with (A) mineral lubricating base oil with saturated hydrocarbon content $\geq$
90% by mass, $\leq 0.03\%$ sulfur by mass as element content, viscosity index ≥ 80 ,
and kinematic viscosity at 100°C of $10\text{-}20\text{ mm}^2/\text{s}$, (B) $\geq 3\%$ by mass, among
total base oil content, of an extract yielded as a solvent refining by-product in
a mineral lubricating base oil manufacturing process and containing $\geq 15\%$ of
10 aromatic hydrocarbon compounds ($\%C_A$) by the ASTM D2140 composition
analysis method, and (C) high molecular weight compound based synthetic oil
that is an olefin polymer having a carbon number ≥ 4 or a hydride thereof and
has kinematic viscosity at 100°C of $20\text{-}400\text{ mm}^2/\text{s}$, (D) metallic detergent and
(E) ashless dispersant being compounded with the base oil.

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No Figure for Publication