

ABSTRACT

A lubricating oil composition for trunk piston diesel engines generates few deposits when using group II/III base oil and has excellent high
5 temperature detergency by including base oil, with 100°C kinematic viscosity of 5-16 mm²/s, that includes (A) mineral lubricating base oil with saturated hydrocarbon content $\geq 90\%$ by mass, sulfur $\leq 0.03\%$ by mass as element content, viscosity index ≥ 80 , and 100°C kinematic viscosity of 3-35 mm²/s, and (B) $\geq 5\%$ by mass, in total base oil content, of extract (B1), a by-product
10 during solvent refining in mineral lubricating base oil manufacturing, containing $\geq 15\%$ of %C_A, or $\geq 20\%$ by mass, in total base oil content, of mineral lubricating base oil (B2) with saturated hydrocarbon content $< 90\%$ by mass, sulfur exceeding 0.03% by mass as element content, and 100°C kinematic viscosity ≥ 30 mm²/s, the base oil compounded with (D) metallic
15 detergent and (E) ashless dispersant.