



Delo® SHP

Description

Delo® SHP is a high performance diesel engine oil for medium- and high-speed trunk piston diesel engines operating under severe conditions. Delo SHP also provides lubrication for turbocharged high-speed diesel engines. Delo SHP is blended from high quality base oils and selected detergent, dispersant, anti-oxidation and anti-wear additives that protect the oil from oxidation and provide excellent detergency and dispersancy. It has very good viscosity control, and its excellent alkalinity retention properties prevent corrosive wear over long periods of time.

Typical Characteristics

SAE Viscosity Grade	30	40
Code	219203	219206
Base number, mg KOH/g	12.0	12.0
Density at 15°C, kg/l	0.90	0.90
Flash point, COC, °C	220	240
Pour point, °C	-15	-15
Sulphated ash, mass %	1.8	1.8
Viscosity, kinematic, mm ² /s (cSt) at 100°C	11.7	14.0

Recommended Uses

Delo SHP is recommended for (1) trunk piston engines, including the latest high-output, medium-speed engines using high sulfur gas oil or marine diesel oil, and (2) a wide range of heavy-duty, high-speed diesel engines operating under many different conditions. Delo SHP can be used in vessels with and without purifiers. Delo SHP is recommended for MaK (Caterpillar), MAN Diesel & Turbo, Rolls Royce, and Wärtsilä Marine - Deutz SBVM628. Delo SHP can be used for (approvals pending) Daihatsu, Hyundai Himsen, Niigata, Wärtsilä, and Yanmar.

Performance Benefits

1. Deposit Control

Helps eliminate ring and valve sticking. The balanced additive combination controls deposits in low-temperature, intermittent and high-temperature operation and high-load operation. Deposit control protects against ring sticking and results in efficient lubrication.

2. Anti-Wear Properties

An effective anti-wear additive protects highly loaded parts from scuffing and wear during boundary lubrication conditions.

3. Oxidation Stability

Very good resistance to oxidation. Oxidation inhibitors protect the oil against high thermal stresses, protect engine parts from corrosion and reduce undercrown deposits while promoting extended lubricant life.

4. Corrosion Protection

Protects all metal surfaces under the most severe conditions.

5. Long Filter Life

High dispersancy extends the life of oil filters, enabling them to function longer. Oil filters remove non-dispersed abrasive material, effectively preventing excessive engine wear.