



marine lubricants

Delo[®] SHP



Description

Delo[®] SHP lubricants are high-performance diesel engine oils for medium- and high-speed trunk piston diesel engines with or without oil purifiers. Delo SHP lubricants are blended with highly refined base oils and carefully selected additives. Delo SHP lubricants have very good viscosity control when used in severe high-temperature service, and their BN retention characteristics help to prevent corrosive wear over long periods of operation. The unique detergent and dispersant additive system promote piston cleanliness, liner lacquer control and first-rate soot handling. This results in extreme reduction of both “hot” (piston lands and grooves, piston undercrown, purifier preheaters) and “cold” (crankcase, cambox, rocker area, fuel pumps, purifier bowl) deposits. Delo SHP lubricants help to provide a high degree of water tolerance and have good water separation.

Typical Characteristics

SAE Viscosity Grade	30	40
MPID	219203	219206
Base number, mg KOH/g (ASTM D2896)	12	12
Density at 15°C, kg/l (ASTM D4052)	0.89	0.89
Flash point, COC, °C (ASTM D92)	180 min	180 min
Pour point, °C (ASTM D97)	-15	-18
Kinematic Viscosity at 40°C, mm ² /s (ASTM D445)	104.0	135.0
Kinematic Viscosity at 100°C, mm ² /s (ASTM D445)	11.8	14.0
Viscosity Index	100	100
FZG test (A/8.3/90), failure load stage (CEC-L-07-95)	12	12

Recommended Applications

Delo SHP lubricants are recommended for medium- and high-speed trunk piston diesel engines burning distillate and low sulfur fuels. Delo SHP can be used in diesel engines with or without oil purifiers and particularly suited for engines sensitive to liner lacquering. The good load carrying capacity of Delo SHP lubricants also makes these suitable for use in engine reduction gears and other applications where EP properties are required. Delo SHP should be used in accordance with OEM guidelines and recommendations.

Delo SHP Lubricants Are Approved For:

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| <input checked="" type="checkbox"/> MAN Energy Solutions | <input checked="" type="checkbox"/> Daihatsu |
| <input checked="" type="checkbox"/> Wärtsilä Marine – Deutz SBVM628 | <input checked="" type="checkbox"/> Hyundai Himsen |
| <input checked="" type="checkbox"/> MaK (Caterpillar) | <input checked="" type="checkbox"/> Yanmar |
| <input checked="" type="checkbox"/> Rolls Royce Bergen | |

Delo SHP Lubricants Are Suitable For Use In:

- MTU Type 2



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Performance Benefits

1. Engine Protection

Controls cylinder liner wear effectively and helps to protect bearings from corrosion. High performance, anti-wear additives help to provide protection against wear for cams, camshaft and bearings. Delo® SHP lubricants also provide a high degree of water tolerance and anti-foam protection. It can also help protect against liner lacquer formulation.

2. Engine Cleanliness

Helps to ensure clean crankcases, piston interiors and lubricating oil lines.

3. Easy Purification

Effective water and contaminants handling.

4. Smooth Operation

Helps to provide minimum maintenance and downtime, long engine life and economical operating costs in applications with or without oil purifiers.



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