

# Mobilgard™ 300 C

High-performance system oil designed for crosshead diesel engines



Energy lives here™

## Product features

Mobilgard™ 300 C high-performance system oil helps ensure enhanced cleanliness for two-stroke, crosshead-type marine diesel engines operating under severe conditions. It can help offer:\*

- Enhanced detergency, enabling excellent deposit control
- Excellent water separation
- Improved rust protection
- Superb gear and bearing load-carrying protection

Recommended for use in the latest-design engines from MAN Diesel & Turbo and Winterthur Gas & Diesel Ltd.

## Potential benefits

Mobilgard 300 C oil helps to:\*

- 1 Enable improved cleanliness in crankcases
- 2 Provide superb wear protection for heavily loaded gears and bearings
- 3 Reduce under piston crown deposits
- 4 Reduce overall maintenance costs

## Balanced formulation enables protection and improved cleanliness

Mobilgard 300 C oil is formulated using premium-quality paraffinic base oils to provide excellent thermal stability. A specially formulated additive package ensures high-temperature oxidation resistance, while its high BN helps maintain crankcase cleanliness.

Recommended applications	
Two-stroke, crosshead diesel engines	✓
Latest-design, high-output engines with oil piston cooling	✓
Older engines with water-cooled pistons	✓

\*Versus prior-generation system oils.

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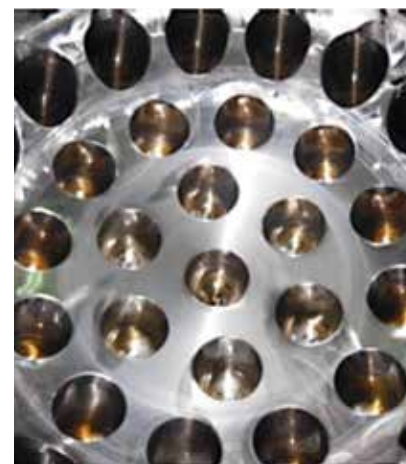
## Reducing deposit formation

Mobilgard™ 300 C system oil is recommended for use in late-model, high-output, crosshead diesel engines that feature oil piston cooling. It can help prevent deposit formation in the piston cooling spaces within these applications, which safeguards piston cooling efficiency and helps reduce the incidence of piston top burning and piston crown cracking.

Its rust prevention and water separation characteristics also make Mobilgard 300 C oil an excellent system oil for use in older-design crosshead diesel engines that have water-cooled pistons.



Before Mobilgard 300 C



After Mobilgard 300 C

## Typical properties

Mobilgard 300 C	
SAE Grade	30
Specific Gravity at 15°C	0.8665
Flash Point, °C, ASTM D 92	245
Pour Point, °C, ASTM D 97	-24
Viscosity, ASTM D 445	
cSt, at 40°C	109
cSt, at 100°C	11.9
Viscosity Index, ASTM D 2270	98
TBN, mg KOH/g, ASTM D 2896	9
Sulphated Ash, wt%, ASTM D 874	1.06
FZG Scuffing, Fail Load Stage, A/8.3/90, ISO 14635-1	12

Mobilgard 300 C oil also performs well in older-design crosshead diesel engines with water-cooled pistons.