

# Mobilgard 12 Series

## Product Description

Mobilgard 12 Series by ExxonMobil are high performance diesel engine oils developed for use in trunk piston engines operating on low sulphur distillate fuels in marine and industrial applications. They are formulated to have excellent resistance to oxidation and viscosity increase over a long period of service. They have superior water separating properties and provide excellent corrosion protection.

Mobilgard 12 Series meets API requirements for CF rating.

## Features and Benefits

Mobilgard 12 Series is formulated with base oils having proven successful performance in diesel engines. The additive system is balanced to provide excellent resistance to thermal degradation under moderately severe operating conditions. They also provide good engine cleanliness and superior wear protection.

When used as recommended, Mobilgard 12 Series oils provide the following benefits:

Features	Advantages and Potential Benefits
Excellent thermal and oxidation stability	Extended periods between inspections, overhaul and cleaning
Improved anti-wear properties	Reduced ring and liner wear
Excellent TBN reserve and retention	Increased protection against corrosive wear
Excellent detergency/dispersancy properties	Increased oil service life Cleaner engines

## Applications

The Mobilgard 12 Series diesel engine oils are intended for use as cylinder and bearing lubricants in marine and industrial diesel engines operating on distillate fuels or light fuel blends. They are particularly effective in many types of medium speed engines, including new, severe service engines and in small bore, high speed engines in fishing fleets. They may be used as crankcase lubricants in large crosshead type diesel engines operating on high sulphur fuels.

## Typical Properties

	312	412
SAE Grade	30	40
Specific Gravity at 15°C	0.896	0.899
Flash Point, °C, ASTM D 92	266	272
Pour Point, °C, ASTM D 97	-9	-9
Viscosity, ASTM D 445		
cSt, at 40°C	108	142
cSt, at 100°C	12	14.5
Viscosity Index, ASTM D 2270	100	100

	<b>312</b>	<b>412</b>
TBN, mg KOH/g, ASTM D 2896	15	15
Sulphated Ash, wt%, ASTM D 874	2.1	2.1

## **Precautions**

MOBILGARD 12 SERIES is manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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ExxonMobil Lubricants & Specialties

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