

# Product Data Sheet

## Mobilgard 12 Series Marine and Industrial Diesel Engine Oils

### Product Description

Mobilgard 12 Series oils 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 oils have also been tested against all API requirements for CD rating and gave a full pass in all tests.

Mobilgard 12 Series oils are 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 combined with good engine cleanliness and superior wear protection.

### Benefits

Mobilgard 12 Series offer the following benefits :

- Extended periods between inspections, overhaul and cleaning
- Increased protection against corrosive wear
- Increased oil service life
- Cleaner engines

### Application

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 may be used as crankcase lubricants in large crosshead type diesel engines operating on high sulphur fuels. Mobilgard 512 is recommended by some builders as a running-in oil for crosshead type engines. The primary, and proven particularly effective, recommendations for these oils are in small bore, high speed truck engines in fishing fleets; the new more severe service engines and in many types of medium speed engines.

## Health and Safety

Based on available toxicological information, it has been determined that these products pose no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Typical Characteristics

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<b>Mobilgard</b>	<b>312</b>	<b>412</b>	<b>512</b>
SAE No.	30	40	50
Specific Gravity	0.898	0.903	0.906
Pour Point, °C max.	-18	-15	-6
Flash Point, °C min.	240	255	249
Viscosity, cSt at 40 °C	103	141	199
Viscosity, cSt at 100 °C	11.4	14.4	18.4
Viscosity Index	100	100	100
TBN - Mobil Method 308	15	15	15
Sulphated Ash, % wt	2.1	2.1	2.1

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Due to continual product research and development, the information contained herein is subject to change without notice.

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