

Product	Sinopec Marine System Oil 3006
Summary	Product description Sinopec Marine System Oil 3006 is formulated using high-quality paraffinic mineral base oils and selected additives to meet the needs of a wide range of marine engine manufacturers. It is designed primarily for use in marine low-speed cross-head diesel engine applications, where excellent water-shedding characteristics are required.

Applications

Sinopec Marine System Oil 3006 is suitable for use in:

- Crankcases of conventional large marine low-speed cross-head diesel engines, with water-cooled pistons.
- Crankcases of modern high-output cross-head diesel engines, with oil-cooled pistons.
- Crankcases of latest designs of camless engines.
- Stern tubes and auxiliary equipment.

Features and benefits

- Excellent water-shedding properties enable water to be easily removed from the oil and therefore increase oil life and reduce the risk of bacterial growth.
- Neutralises acidic fuel combustion products thereby preventing rusting and corrosion of engine bearings, and corrosive wear of cylinder liners.
- Good anti-rust and anti-corrosion properties protect engine bearings and extend bearing life.
- Excellent detergency and dispersancy characteristics keep the engine clean and prevent the formation of deposits under oil-cooled pistons, protecting components against wear, reducing oil filter blockage, and prolonging engine service life and oil life.
- Excellent load-carrying properties prevent wear of heavily loaded bearings, extending component life and reducing maintenance costs.
- Good thermal and oxidation stability, especially important in modern oil-cooled piston engine designs, prevent oil thickening in service, keeping the oil in grade, and so prolong oil life.
- Good air release and antifoaming properties ensure optimum oil film thickness is maintained and prevents foaming problems.
- Good hydraulic oil properties ensure suitability for use in the latest designs of camless engines.

Product Data Sheet

Typical data

Sinopec Marine System Oil 3006	
SAE grade	30
Kinematic viscosity, ASTM D 445	
cSt @ 40°C	93.54
cSt @ 100°C	10.54
Viscosity index, ASTM D 2270	94
FZG test (A/8.3/90), fail load stage, DIN 51345	8
Rust prevention, synthetic sea water, ASTM D 665	No rust
Sulfated ash, wt%, ASTM D 874	0.84
Total base number, mg KOH/g, ASTM D 2896	6.30
Pour point, °C, ASTM D 97	-12
Flash point (COC), °C, ASTM D 92	246
Density @ 15°C, kg/l, ASTM D 4052	0.885

These data are given as an indication of typical values and not as exact specifications.

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used oil should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

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Issued: September 2011

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