

Delo[®]1000 Marine

Marine & Stationary Diesel Engine Oil



Product description

Delo[®]1000 Marine is a lower alkaline reserve (12 Base Number) trunk piston engine oil (TPEO).

Customer benefits and product features

Customer benefits

Maintains power output

The detergent/dispersant additive system helps provide control of high temperature deposits in areas such as the undercrown of the piston and the piston ring belt area, helping piston rings to function efficiently.

Designed to prolong oil life

Base Number (BN) level and excellent alkalinity retention characteristics help maintain high BN to help ensure that corrosive acids formed by the combustion of fuel sulfur are effectively neutralized, thereby helping to minimize liner wear.

Efficient purifying system performance

Excellent water separation characteristics enable water to be centrifuged out with minimal loss of additive.

Product features

Delo[®]1000 Marine is designed for use in medium- speed trunk piston engines burning distillate fuels with sulfur content up to 1.5% in marine or stationary service.

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Applications

- Medium-speed trunk piston engines burning distillate fuels in marine main and auxiliary powerplant service.
- Medium-speed trunk piston engines burning distillate fuels in stationary powerplant service.

Product approvals, performance and recommendations

Approved by major manufacturers for use in their medium-speed engines, including:

- MAN Diesel
- Wärtsilä

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Typical test data

| DELO [®] 1000 MARINE | | |
|-------------------------------|--------|--------|
| SAE Grade | 30 | 40 |
| Product Code | 560010 | 560011 |
| Base No., | | |
| D2896, mg KOH/g | 12 | 12 |
| D4739, mg KOH/g | 12 | 12 |
| FZG Fail Load Stage | 11 | 11 |
| Sulfated Ash, m% | 1.6 | 1.6 |
| Viscosity, | | |
| mm ² /s @ 40°C | 96.0 | 137 |
| mm ² /s @ 100°C | 11.0 | 14.0 |
| Viscosity Index | 99 | 98 |
| Zinc, m% | 0.06 | 0.06 |

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.