



# PRISTA® MARINE D

## MARINE OILS

### Description and Application

**Prista® Marine D** engine oils are formulated with carefully balanced high quality solvent refined and hydrotreated lube base stocks and a modern technology additive package, to meet the requirements of the major manufacturers of medium-speed marine diesel engines such as Pielstick, MAN B&W, MAN Augsburg, New Sulzer Diesel, Wartsila, etc..

**Prista® Marine D** oils are intended for the lubrication of main and auxiliary medium speed trunk-piston engines burning distillate fuels with up to 1.5% sulphur. They are successfully used for the lubrication of engines of fishing vessels and passenger ships. Also, suitable for the lubrication of geared transmissions, variable pitch propellers, oil-filled stern tubes, used with medium speed engines.

### Benefits

- Prevent formation of high temperature deposits and low-temperature sludge
- Ensure excellent protection for cams, camshaft and bearings
- Rapid separation of any trapped water
- Protection against cylinder liner wear and bore polishing
- Excellent rust protection for all stern equipment
- Bearing corrosion protection
- Low foaming tendency

### Specifications

|          | Marine Oils |        |        |
|----------|-------------|--------|--------|
| SAE J300 | SAE 30      | SAE 40 | SAE 50 |
| API      | CF          |        |        |

### Typical Characteristics

| Parameter   | Test Method | Typical Value  |                |                |
|---|-------------|----------------|----------------|----------------|
|   |             | Marine D 30/12 | Marine D 40/12 | Marine D 50/12 |
| Density at 20°C, g/ml   | EN ISO 3675 | 0.891          | 0.895          | 0.900          |
| Kinematic Viscosity at 100°C, mm <sup>2</sup> /s                  | EN ISO 3104 | 11.5           | 15.0           | 19.0           |
| Viscosity Index   | ISO 2909    | 95             | 95             | 93             |
| Flash point COC, °C   | EN ISO 2592 | 240            | 250            | 256            |
| Pour point, °C  | ISO 3016    | -24            | -18            | -15            |
| TBN (HClO <sub>4</sub> ), mg KOH/g                                | ASTM D2896  | 12             |                |                |
| Sulfated Ash, %   | EN ISO 3987 | 1.6            |                |                |
| Rust Preventive Properties in the presence of synthetic sea water | ISO 7120    | pass           |                |                |

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

### Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit: [www.prista-oil.com](http://www.prista-oil.com)