



# PRISTA® MARINE DS

## MARINE OILS

### Description and Application

**Prista® Marine DS** engine oils are formulated with carefully balanced high quality solvent refined and hydrotreated lube base stocks and an additive package exhibiting very good detergent and dispersant properties. The formulated lubricants meet the requirements of the major manufacturers of heavy duty marine diesel engines such as Pielstick, MAN B&W, MAN Augsburg, New Sulzer Diesel, Wartsila, etc.

**Prista® Marine DS** oils are intended for the lubrication of main and auxiliary medium speed trunk-piston engines burning distillate fuels, Very Low Sulphur Fuel (VLSFO) having sulphur contents <0.5% and Ultra Low Sulphur Fuel (ULSFO) having Sulphur content less than 0.1%. They are also fit for some other ship-board applications and marine engine reduction gears without any special demand to the lubricating oil.

### Benefits

- Prevent formation of soot and black sludge in the oil
- Engine cleanliness
- Protection against cylinder liner wear and polishing
- Low foaming tendency
- Bearing corrosion protection
- Lower levels of piston ring wear

### Specifications

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

### Typical Characteristics

| Parameter   | Test Method | Typical Value   |                 |
|---|-------------|-----------------|-----------------|
|   |             | Marine DS 30/15 | Marine DS 40/15 |
| Density at 20°C, g/ml   | EN ISO 3675 | 0.891           | 0.895           |
| Kinematic Viscosity at 100°C, mm <sup>2</sup> /s                  | EN ISO 3104 | 11.2            | 14.5            |
| Viscosity Index   | ISO 2909    | 97              | 96              |
| Flash point COC, °C   | EN ISO 2592 | 256             | 260             |
| Pour point, °C  | ISO 3016    | -21             | -18             |
| TBN (HClO <sub>4</sub> ), mg KOH/g                                | ASTM D2896  | 15              |                 |
| Sulfated Ash, %   | EN ISO 3987 | 2.0             |                 |
| 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)