

GOLDENSTONE® MARINE D

Technical Data Sheet (TDS) MARINE DIESEL ENGINES

Description and Application

GOLDENSTONE® 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.

GOLDENSTONE® 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

SAE	30, 40, 50
API	CF

Typical Characteristics

Parameter	Test Method	Typical Value		
		GOLDENSTONE® MARINE D 30/12	GOLDENSTONE® MARINE D 40/12	GOLDENSTONE® 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 ² /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	255
Pour point, °C	ISO 3016	-24	-18	-15
TBN (HClO ₄), mg KOH/g	ASTM D 2896	12.0		
Sulfated Ash, %	EN ISO 3987	1.6		
Rust preventive Properties in the presence of distilled water	ISO 7120 Method B	PASS		
Foaming (Tendency/Stability), mL, - Seq. I at 24°C - Seq. II at 93.5°C - Seq. III at 24°C	ISO 6247	0/0 10/0 0/0		

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.goldenstoneoils.com

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