

EMIRATES 1 MARINE CYLINDER OILS

(Cylinder Lubricant for Two-Stroke Low Speed Diesel Engines)

DESCRIPTION

EMIRATES 1 MARINE CYLINDER OILS are a wide range of cylinder lubricants designed for use in all two-stroke low speed diesel engines. They are suitable for use with engines burning distillate and residual fuel and has been engineered to offer excellent performance under all operational conditions such as full power, "slow" and "flexible" steaming regimes.

APPLICATIONS

EMIRATES 1 MARINE CYLINDER OILS are designed for cylinder lubrication of all types of 2-stroke low speed diesel engines burning distillates and residual fuel oil from 0.5 – 3.5% sulphur levels.

EMIRATES 1 MARINE CYLINDER OIL 50/25 for slow-speed engines running on ECA fuels below 0.1% sulphur

EMIRATES 1 MARINE CYLINDER OIL 50/40 for slow-speed engines running on low sulphur fuel oil (LSFO)

EMIRATES 1 MARINE CYLINDER OIL 50/57 for slow-speed engines running on residual fuels within 0.5%-3.5% sulphur

EMIRATES 1 MARINE CYLINDER OIL 50/70 for slow-speed engines running on high sulphur fuel oil (HSFO)

Properties

EMIRATES 1 MARINE CYLINDER OILS has been particularly designed for the new generation of highly rated, fuel efficient, low speed marine diesel engines operating with higher pressures, higher temperatures and longer strokes especially to deal with all aspects of Oil Stress.

Product Benefits

- Minimal piston ring and liner wear
- Maximum cleanliness.
- Reduced engine maintenance costs.
- Combats the deposits and scuffing related engine wear associated with low sulphur fuels
- Excellent thermal and oxidative stability to ensure performance in a variety of engine conditions
- Reduced cylinder oil consumption
- Extended periods between overhauls
- Formulated with detergent technology required to deliver excellent performance with low-sulphur fuel
- Detergency system provides strong control of piston groove deposits which is a critical area for distillate fuel operation
- Maximized piston overhaul intervals

Recommendations / Specifications

Meets or exceeds: MAN Diesel & Turbo, MHI-MME and Wärtsilä, Mitsubishi Heavy Industries

TYPICAL TECHNICAL PROPERTIES

EMIRATES 1 MARINE CYLINDER OILS	50/25	50/40	50/50	50/70
SAE Viscosity Grade	50	50	50	50
Density at 15 ^o C, g/ml, ASTM D4052	0.908	0.920	0.930	0.940
Kinematic Viscosity at 100 ^o C, mm ² /s, ASTM D445	19	19	19	19
Viscosity Index, ASTM D2270	>95	>95	>95	>95
Flash Point(COC), °C, ASTM D92	>240	>240	>240	>240
Pour Point, °C, ASTM D97	-9	-9	-9	-9
Total Base Number, mg KOH/g, ASTM D2896	25	40	50	70
Sulphated Ash, %wt, ASTM D874, max	3.2	5.1	7.27	8.94

*C & B: Clear & Bright

Note: The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS). Safety Data Sheets available on request.

Available Pack: 200/208/1000 L