



ATLANTIC MARINE CYLINDER OILS

Cylinder Lubricant for Two-Stroke Low Speed Diesel Engines

DESCRIPTION

ATLANTIC 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

ATLANTIC 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.

ATLANTIC MARINE CYL 50040 for slow-speed engines running on low sulphur fuel oil (LSFO)

ATLANTIC MARINE CYL 50070 for slow-speed engines running on high sulphur fuel oil (HSFO)

ATLANTIC MARINE CYL 500100 for new slow-speed engine designs affected by cold corrosion and running on high sulphur fuel oil (HSFO)

ATLANTIC MARINE CYL 500140 for the latest generation large low-speed marine diesel engines equipped with exhaust abatement technologies operating with heavy fuel oil, under all loads and operating conditions which are sensitive to cold corrosion in the cylinder.

PROPERTIES

ATLANTIC 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.

PERFORMANCE FEATURES AND BENEFITS

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

RECOMMENDATIONS / SPECIFICATIONS

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

TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE:	ML-250101	ML-250102	ML-250103	ML-250104	ML-250105	ML-250106
Product Name	CYL 50025	CYL 50040	CYL 50057	CYL 50070	CYL 500100	CYL 500140
SAE Viscosity Grade	50	50	50	50	50	50
Appearance, Visual	B&C	B&C	B&C	B&C	B&C	B&C
Density at 15°C, g/ml, ASTM D4052	0.908	0.920	0.930	0.940	0.950	0.980
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	19	19	19	19	19	19
Viscosity Index, ASTM D2270	>95	>95	>95	>95	>95	>95
Flash Point(COC), °C, ASTM D92	>240	>240	>240	>240	>240	>240
Pour Point, °C, ASTM D97	-9	-9	-9	-9	-9	-9
Total Base Number, mg KOH/g, ASTM D2896	25	40	57	70	100	140
Sulphated Ash, %wt, ASTM D874, max	3.2	5.1	7.27	8.94	12.78	18

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.

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* supersedes all previous versions

Packing: 200L, 208L, 1000L, BULK