



ATLANTIC MARINOL GEN 4

"Zinc and Chlorine Free" Engine Lubricant

DESCRIPTION

ATLANTIC MARINOL GEN 4 is a non-zinc and non-chlorine lubricant formulated with high-quality base stocks which provide low consumption characteristics, high-temperature oxidation resistance, and thermal stability. These base stocks are combined with specially selected stable additives resulting in an engine oil with well-balanced properties. ATLANTIC MARINOL GEN 4 meets the requirements of an SAE 40 grade marine diesel engine oil and is suitable wherever API CF and/or CF-2 performance is specified and is rated an LMOA Generation 4 lubricant.

APPLICATIONS

ATLANTIC MARINOL GEN 4 has been specifically formulated to meet requirements of heavily loaded diesel engines manufactured by EMD and used in marine applications. It is suitable for other marine diesel engines of the highest horsepower, or higher brake mean effective pressure (BMEP) using distillate fuels with a sulfur content up to 1.5 percent. It will lubricate such engines in drilling rigs and stationary power generation service as well.

PROPERTIES

ATLANTIC MARINOL GEN 4 is produced with high-quality base stocks and selected additives. These provide the oil with excellent lubricating properties, low consumption characteristics, high-temperature oxidation resistance and thermal stability. Also suitable for other high horsepower marine diesel engines using distillate fuels with a sulphur content up to 1.5%.

PERFORMANCE FEATURES AND BENEFITS

- Protects silver bearings
- Excellent detergent properties at high temperatures
- Good dispersant properties
- Protects against sludge formation
- Neutralizes acids produced in the combustion process
- Zinc and Chlorine free
- High thermal and oxidation stability
- Effective anti-wear and load carrying properties
- High TBN and Outstanding TBN Retention
- Excellent water tolerance and separation
- Controls carbon deposits and varnish formation, extending oil and filter life

RECOMMENDATIONS / SPECIFICATIONS

Meets or exceeds the quality requirements of the engines manufactured by Alco, Detroit Diesel (API CF-2) and Fairbanks Morse.

TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE:	ML-250501
SAE Viscosity Grade	40
Density at 15°C, g/ml, ASTM D4052	0.897
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	139
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	14.1
Viscosity Index, ASTM D2270	98
Flash Point(COC), °C, ASTM D92	260
Pour Point, °C, ASTM D97	-6
Total Base Number, mg KOH/g, ASTM D2896	13
Sulphated Ash, %wt, ASTM D874	1.6
Zinc, %wt., ASTM D5185	10
Chlorine, %wt., ASTM D5185	50

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