



# ATLANTIC MARINE SYSTEM OILS

## Marine Crankcase Lubricant

### DESCRIPTION

ATLANTIC MARINE SYSTEM OILS are marine oils especially designed for the crankcase lubrication of slow speed 2 stroke crosshead Diesel engines & also suitable for plain bearings of turbochargers, shaft bearings, stern tube and seals. The formulation has maximum antiwear properties, good rust protection in the presence of salt water, and excellent water separation characteristics.

### APPLICATIONS

ATLANTIC MARINE SYSTEM OILS are designed for Crankshaft lubrication, cooled pistons & Shaft bearing lubrication. Primarily recommended for use as system oil in late model, high-output, crosshead diesel engines, especially those engines employing the system oil for piston cooling. It will prevent or reduce deposit formation in the piston cooling spaces, thus maintaining piston cooling efficiency and reducing the incidence of piston top burning and piston crown cracking. It will also prevent or reduce crankcase deposits and will provide outstanding protection for heavily loaded bearings.

### PROPERTIES

ATLANTIC MARINE SYSTEM OILS have been particularly formulated from high quality paraffinic base oils along with a balanced additive system to provide excellent protection even for the severe operating conditions of the latest design, high-output crosshead marine diesel engines. In addition, the alkalinity is sufficient to neutralize crankcase contaminations or acidic combustion products in a less demanding four-stroke trunk piston diesel engine running on distillate fuel.

### PERFORMANCE FEATURES AND BENEFITS

- Very good detergency level.
- Very good thermal stability.
- Very good anti-oxidant characteristics.
- Excellent anti-rust and anti-corrosive properties.
- Clean crankcase
- Excellent capacity for water separation.
- Excellent capacity for insoluble separation.
- Good anti-wear properties.
- High resistance to foaming.
- Excellent deposit control of oil-cooled piston undercrown

### RECOMMENDATIONS / SPECIFICATIONS

Meets or exceeds the quality requirements of the major Diesel engines builders.  
API : CC

### TYPICAL TECHNICAL PROPERTIES

PRODUCT CODE:	ML-250201	ML-250202	ML-250203
Product Name	M-SYS 2006	M-SYS 3006	M-SYS 4006
SAE Viscosity Grade	20	30	40
Density at 15°C, g/ml, ASTM D4052	0.890	0.890	0.895
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	70	105	150
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	8.8	11.61	14.7
Viscosity Index, ASTM D2270	97	97	97
Flash Point(COC), °C, ASTM D92	>220	>220	>230
Pour Point, °C, ASTM D97	-6	-9	-9
Total Base Number, mg KOH/g, ASTM D2896	6	6	6
Sulphated Ash, %wt, ASTM D874, max	0.73	0.73	0.73

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