



# ATLANTIC MARINE OIL HD

High Performance Mono-grade Marine Diesel Engine Oil

## PRODUCT DATA

### DESCRIPTION

ATLANTIC MARINE OIL HD series is a range high performance mono-grade marine diesel engine oils exhibiting increased dispersancy especially suitable for high BMEP medium and high speed diesel engines operating on distillate and MDO fuels. These advanced diesel lubricants are available in S.A.E. 30, 40 & 50 grades to suit most marine engine viscosity requirements. The special balance of detergent and dispersant properties of these oils provide not only increased resistance to lacquer formation in severe service applications but also assist in sludge and deposit removal.

### APPLICATIONS

ATLANTIC MARINE OIL HD series are suitable for latest model diesel engines including those of MAN-B&W Alpha, Caterpillar (3600), Deutz and Stork Werkspoor. They have an FZG rating of 12 which makes them excellent extreme pressure gear lubricants.

- Suitable for lubrication of medium and high speed diesel engines used for fishing fleets and river transport applications.
- Main & auxiliary engines of all types and ratings, naturally aspirated, turbocharged or supercharged.
- Clutched reduction driver, reversing gear system, stern tubes and bearings

### PROPERTIES

ATLANTIC MARINE OIL HD series are designed for use in high BMEP engines and in severe duty engine applications where the nature of the fuel and service requires a greater level of dispersancy and liner lacquer control than typically offered by the majority of diesel lubricants. They are formulated from high quality base stocks along with a balanced additive system to ensure optimum performance and protection for trunk piston engines in marine & industrial applications where monograde oils are specified.

### PRODUCT BENEFITS

- Extended Oil Drain Intervals
- Extended Cylinder Overhauls
- Reduced Bore Polishing
- Superior Wear Protection
- Reduced Oil Consumption
- Reduced Liner Lacquering
- Excellent capacity for water separation
- Optimal TBN reserves
- Increased oxidation and thermal stability
- Improved Engine Cleanliness
- Reduced Top Deck Sludge
- Wide Engine Capability; Builder, Size, Speed
- Reduced Piston Ring Groove Deposits
- Outstanding protection against ring & linear wear
- Excellent detergent and dispersant capabilities guaranteeing engine cleanliness & long life for engine & transmission systems

## RECOMMENDATIONS / SPECIFICATIONS

API service: CF, CD

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

TYPICAL TECHNICAL PROPERTIES			
SAE Viscosity Grade	30	40	50
Product code	12599ML	12600ML	12601ML
Density at 15°C, g/ml, ASTM D4052	0.896	0.899	0.903
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	108	142	219
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	12	14.5	19.4
Viscosity Index, ASTM D2270	100	100	100
Flash Point(COC), °C, ASTM D92	246	268	276
Pour Point, °C, ASTM D97	-18	-18	-18
Total Base Number, mg KOH/g, ASTM D2896	12	12	12
Sulphated Ash, wt%, ASTM D 874	1.4	1.4	1.4

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



Packing : 200 | 208 | 1000 L

ATL/PDS/ML/008/0\*, 10.08.15, Page 1/1  
\* supersedes all previous versions

**Health and Safety:** This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.