

## DESCRIPTION

Marine oils especially designed for the crankcase lubrication of slow speed 2 stroke crosshead Diesel engines.

## APPLICATIONS

- Crankshaft lubrication
- Oil cooled pistons.
- Shaft bearing lubrication

## PROPERTIES

- Very good detergency level.
- Very good thermal stability.
- Very good anti-oxydant characteristics.
- Excellent anti-rust and anti-corrosive properties.
- Excellent capacity for water separation.
- Excellent capacity for insoluble separation.
- Good anti-wear properties.
- High resistance to foaming.

## APPROVALS

**ATLANTA MARINE D 2005, 3005 and 4005** are approved by the major Diesel engines builders.

## CHARACTERISTICS

CHARACTERISTICS	METHODS	UNITS	ATLANTA MARINE D		
			2005	3005	4005
S.A.E. Grade			20	30	40
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	890	890	895
Kinematic viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	70	105	150
Kinematic viscosity at 100 °C	ISO 3104	mm <sup>2</sup> /s	8.8	11.5	14.7
Flash Point (COC)	ASTM D 92	°C	>or= 220	>220	>230
Pour Point	ISO 3016	°C	- 6	- 9	- 9
BN (ex TBN)	ASTM D 2896	mgKOH/g	6	6	6

Characteristics of this chart are indicative typical values

## *HANDLING, HEALTH AND SAFETY*

Lubricants consisting of highly refined mineral oils with specific additives.

In normal conditions of use, these lubricants present no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available on [www. quickfds.com](http://www.quickfds.com) or [www.lubmarine.com](http://www.lubmarine.com).

The values shown above are typical values at the date of publication. TOTAL Lubmarine reserves the right to change these typical values without prior notice.



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