

DESCRIPTION

Marine oils specially designed for the lubrication of high and medium speed Diesel engines.

APPLICATIONS

- Turbocharged main and auxiliary engines of all types and all ratings running on Marine Diesel Oil (ISO 8217 DMX, DMA, DMB, DMC) or on Intermediate Fuel Oil.
- Turbocharged main and auxiliary engines of all types and of all ratings running on Gas Oil when a substantial safety margin is required.
- Bearings and stern-tubes.
- Reduction gear lubrication.

PROPERTIES

- API service : better than CF.
- Excellent thermal stability.
- Good detergent properties at high temperatures.
- Good dispersant properties at low temperatures.
- Good wear protection.
- Good oil film strength at extreme pressures.
- Excellent water resistance.
- Excellent capacity for centrifuging and for separating out water and insolubles.
- Excellent filtration capacity.
- Very good neutralising capability of acidic products.

APPROVALS

Lubricants in the **DISOLA M** range satisfy the requirements and recommendations of the major engine manufacturers. They have proved their worth in thousands of engines of many different types, operating in all conditions.

CHARACTERISTICS

CHARACTERISTICS	METHODS	UNITS	DISOLA M	
			3020	4020
S.A.E. Grade			30	40
Density at 15 °C	ISO 3675	kg/m ³	900	900
Kinematic viscosity at 40 °C	ISO 3104	mm ² /s	110	140
Kinematic viscosity at 100 °C	ISO 3104	mm ² /s	12	14
Flash Point (COC)	ASTM D 92	°C	>220	>230
Pour Point	ISO 3016	°C	- 9	- 9
BN	ASTM D 2896	mgKOH/g	20	20

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.

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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