



### Description

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

### Applications

- + Turbocharged and naturally aspirated main and auxiliary engines of all types and all ratings, running on Gas Oil or Marine Diesel Oil.
- + Bearings and stern-tubes.
- + Reduction gear lubrication.

## Trunk Piston Engine Oil

### Approvals

The DISOLA M range has been developed in close collaboration with OEMs and meets the requirements of all major engine manufacturers.

### Features and Benefits

- + API service: CF.
- + Good thermal stability.
- + Good detergent properties at high temperatures.
- + Good dispersing 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 acidic neutralisation capability.

### Typical Characteristics

	Methods	Units	3015	4015	5015
S.A.E. Grade			30	40	40
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	900	900	900
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	110	145	230
Kinematic viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	12	14.2	19.7
Flash Point (COC)	ASTM D 92	°C	> = 220	> = 230	> = 240
Pour Point	ISO 3016	°C	-9	-9	-9
BN	ASTM D 2896	mgKOH/g	14	14	14

Characteristics of this chart are indicative typical values.

### ! Handling, Health & Safety

DISOLA M 3015, 4015 and 5015 consist of highly refined mineral oils with specific additives. All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin or eyes. 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 at: [www.quickfds.com](http://www.quickfds.com) and [www.totallubmarine.com](http://www.totallubmarine.com)