



## Description

Multigrade oil for highly rated diesel engines.

## Applications

- + Particularly recommended for the lubrication of highly turbo-charged engines running under very severe conditions.
- + Particularly recommended for the lubrication of life boat engines, emergency power units, fire pumps (IMO international safety rules) under cold conditions.

## Auxiliary Engine Oil

### Approvals

DISOLA W is approved by diesel engines builders such as: Cummins, MAN, Mercedes-Benz, Mitsubishi, MWN, Perkins...

DISOLA W meets the requirements of CATERPILLAR: ECF-2.

### Features and Benefits

- + API service: CI-4.
- + ACEA: E3-96 (issue 4)  
A2-96 (issue 3)  
B4-12
- + Very stable multigrade feature enabling the lubricant to be used in all seasons.
- + Easier engine starts under cold conditions.
- + Very high detergent properties at high temperature.
- + Very high dispersant properties at low temperature.
- + Excellent thermal stability.
- + Excellent oxidation resistance.
- + Very good antiwear properties.
- + Extend engine life.

## Typical Characteristics

	Methods	Units	
S.A.E. Grade			15W40
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	888
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	99
Kinematic viscosity at 100°C	ISO 3104	mm <sup>2</sup> /s	13.4
Viscosity index	ISO 2909		136
Dynamic viscosity at -20°C		mPa/s	< 7000
Flash Point (COC)	ASTM D 92	°C	> 220
Pour Point	ISO 3016	°C	-30
BN	ASTM D 2896	mgKOH/g	11
Sulphated Ashes		% mass	1.45

Characteristics of this chart are indicative typical values.

### Handling, Health & Safety

DISOLA W 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)