

# Product Data Sheet



## PETRONAS DISROL 300

### Premium Quality 30 TBN Medium Speed Diesel Engine Oil

**PETRONAS Disrol 300** oils are a premium quality cylinder and crankcase oils designed for use in highly rated medium-speed trunk piston diesel engines (marine or stationary service) burning high sulfur residual fuels under the most severe operating conditions.

It is manufactured using the finest quality base oils and advanced additive system to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase and camshaft areas. They provide excellent high temperature oxidation and thermal stability, low volatility, load carrying properties and corrosion protection.

#### Applications

Recommended for use in medium-speed trunk piston engines burning high sulfur residual fuels, where system and engine operational condition require excellent cleanliness control especially to overcome the "black sludge" and its associated problems. It is also suitable for the lubrication of most reduction gears used with medium speed engines.

#### Features and Benefits

- High TBN value (32) and superior alkalinity retention characteristics ensure excellent protection in neutralizing the strong acids resulting from the use of high sulfur fuels that find access to the crankcase to promote oil degradation, ring, cylinder and bearing corrosion.
- Superior detergency / dispersancy additives system provide exceptional engine cleanliness in both hot and cold parts of the engine by effectively controlling "black sludge", lacquer and other common engine deposits and reduce maintenance cost.
- Excellent high temperature deposits control in areas such as piston undercrown and piston ring belt area enabling piston rings to function efficiently to maintain high power output and engine efficiency.
- Separate easily from water to minimize additive depletion during centrifuge.
- Outstanding thermal and oxidation stability to ensure long oil life and possess good oil consumption control.

#### Specifications, Approval and Recommendation

PETRONAS DISROL 300 meets or exceeds the requirements of;

- API CF
- HHI-EMD HiMSEN Approved
- Wartsila Approved
- Heavy Fuel Caterpillar 1M-PC
- Caterpillar Micro Oxidation Test Performance

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### Typical Properties

Characteristics	SAE	
	30	40
Kinematic Viscosity, cSt		
@ 40 °C	93.2	145.1
@ 100 °C	11.0	14.7
Viscosity Index	104	101
Density @ 15 °C Kg/L	0.909	0.912
Pour Point, °C	-9	-9
Flash Point, °C	240	242
Total Base No., mgKOH/g	32	32
Sulphated Ash, % m/m	3.8	3.8
ASTM Colour	4.0	5.5

\* All technical data is provided for reference only.

### Health, Safety and Environment

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.