



PETRONAS

**Technical Data Sheet**

Revision Date: 15.01.2019 Rev. 3

# PETRONAS DISROL 400 SERIES

## High Performance 40 TBN Trunk Piston Oil for Medium Speed Diesel Engine

PETRONAS Disrol 400 Series are high performance trunk piston oils specially developed for highly rated medium-speed diesel engines burning up to 3.5% sulfur fuels.

Formulated with high quality selected base oils enhanced with anti-wear, detergent/dispersant, anti-oxidant, anti-rust and anti-foam additives, PETRONAS Disrol 400 oils provide excellent engine cleanliness, especially in crankcase, camshaft and valve train areas, also provides excellent thermal and oxidation stability with very good corrosion protection.

PETRONAS Disrol 400 Series meet or exceed key OEM requirements.

### Applications

PETRONAS Disrol 400 Series are recommended for use in:

- medium-speed trunk piston engines burning up to 3.5% sulfur fuels, where the system and engine operating conditions require excellent cleanliness control
- the lubrication of most reduction gears used with medium speed engines

### Features and Benefits

Features	Benefits
High anti-wear protection	High protection against excessive piston ring and cylinder linear wear
Excellent detergency/dispersancy	Maintains excellent engine cleanliness by effectively preventing varnishing and lacquer deposits on cylinder liners and engine components
Excellent thermal and oxidation stability	Maintains performance levels under elevated temperatures which ensures long oil life and prevents valve deposits
Very good water separability	Has very good water separability which enables oil separators to remove oil efficiently thereby maintaining the quality of the engine oil
TBN Retention	High protection against corrosion on engines burning up to 3.5% sulphur fuels

[www.pu-petronas.com](http://www.pu-petronas.com)

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## Typical Properties

Characteristic	Method	SAE 30	SAE 40
Specific Gravity @15°C	ASTM D 4052	0,912	0,916
Kinematic Viscosity at 40°C, cSt	ASTM D 445	97	142
Kinematic Viscosity at 100°C, cSt	ASTM D 445	11,8	14,5
Viscosity Index	ASTM D 2270	101	100
Flash Point, °C	ASTM D 92	242	250
Pour Point, °C	ASTM D 97	-21	-21
TBN, mgKOH/g	ASTM D 2896	40	40
Sulphated Ash, %wt	ASTM D 874	5,1	5,1

All technical data is provided for reference only / SS is available upon request including quality control limits

## Performance Levels

- MAN
- Wartsila

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### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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