

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, antioxidant, 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

* For MAN engines, it is recommended the use of fuels with sulfur level between 1,5 to 3,5%. For Wartsila engines the recommendation is the use of fuels with sulfur level up to 0,5%.

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific engine.

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%* sulfur fuels

Technical Data Sheet

Revision Date: 04.10.2024



PETRONAS DISROL 400 SERIES

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

Typical Properties

Characteristic	Method	SAE 30	SAE 40
Specific Gravity @15°C	ASTM D 4052	0,907	0,913
Kinematic Viscosity at 40°C, cSt	ASTM D 445	85,29	137,3
Kinematic Viscosity at 100°C, cSt	ASTM D 445	10,47	14,25
Viscosity Index	ASTM D 2270	105	101
Flash Point, °C	ASTM D 92	252	262
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 are provided for reference only / SS is available upon request including quality control limits

Performance Levels

- MAN
- Wartsila

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.

www.pli-petronas.com

ALL RIGHTS RESERVED. THIS PRODUCT DATA SHEET (INCLUDING NAME, INFORMATION, LOGOS, IMAGES, PICTURES AND ICONS) WHICH RELATES OR REFERS TO PETRONAS LUBRICANTS INTERNATIONAL (PLI) IS THE SOLE AND ABSOLUTE PROPERTY OF PLI AND/OR ITS HOLDING COMPANY AND SHALL BE TREATED AS PRIVATE AND CONFIDENTIAL. NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR ANY MEANS (ELECTRONIC, MECHANICAL, RECORDING OR OTHERWISE) WITHOUT THE PERMISSION OF PLI AND/OR ITS HOLDING COMPANY.

PETRONAS DISROL 400 SERIES

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

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

Important Note

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The PLI Documents and the information contained herein are believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents and information provided are based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection with or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representatives in the event you require any further information.