

Industrial & Marine Engine Oil



Product Description

MEDRIPAL 40 SERIES is formulated from HVI (High Viscosity Index) base oils with additive package specially designed for medium speed diesel engine.

MEDRIPAL 40 SERIES have sufficient TBN to neutralize combustion acid; provides optimum protection against rust, corrosion & excessive wear; has a good balance between oxidation stability, detergency and dispersancy to prevent piston deposit formation and maintain engine cleanliness; and also able to easily separate from dirt and water through centrifugal separator.

Applications

MEDRIPAL 40 SERIES is recommended for lubrication of medium speed industrial and marine diesel engines burning residual diesel fuel with sulfur content 1 - 3.5%wt with high oil stress condition. MEDRIPAL 540 is not designed for cylinder lubrication of two stroke crosshead diesel engine.

TYPICAL CHARACTERISTICS

Characteristics	Test Method	MEDRIPAL 440	MEDRIPAL 540
SAE Viscosity Grade	-	40	50
Density 15 °C, Kg/L	ASTM D - 4052	0.9108	0.9147
Kinematic Viscosity at 40 °C, cSt	ASTM D - 445	143.80	229.10
	ASTM D - 445	14.38	19.76
Viscosity Index	ASTM D - 2270	98	98
ASTM Colour	ASTM D - 1500	L 5.5	L 6.5
Flash Point, °C	ASTM D - 92	256	249
Pour Point, °C	ASTM D - 5950	-18	-18
Total Base Number, mg KOH/g	ASTM D - 2896	40	40

Performance Levels

MEDRIPAL 40 SERIES meets performance level of API CF. MEDRIPAL 440 has been approved by:

- ❖ MAN Energy Solutions
- ❖ Wartsila
- ❖ Yanmar

MEDRIPAL 440



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Health and Safety

Please contact our Industrial Marketing Head Office to get Material Safety Data Sheet as information for Health and Safety Protection

Phone: 62-21 3190 7190/5

Fax: 62-21 3148884/601

Email: hsse.ptpl@pertamina.com

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Disclaimer:

Information presented in this Product Data Sheet is as accurate as possible prior to printing. Such information is based upon standard industry tests under controlled laboratory conditions and presented as a guide only. To assess product suitability for its intended application, it is recommended that users refer to the latest version of the Product Data Sheet because the information contained herein is subject to change, without notice, due to the upgrades in product formulation, manufacturers' equipment specifications, user applications and storage.