



20 - SERIES

Formulated from High Viscosity Index (HVI) base oil with additives specially designed for medium speed diesel engine.

MEDRIPAL 20 series has sufficient total base number 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.

Diformulasikan dari base oil *High Viscosity Index* (HVI) dengan aditif yang didesain khusus untuk pelumas mesin diesel putaran sedang.

MEDRIPAL 20 series memiliki nilai angka basa total yang memadai untuk menetralkan asam hasil pembakaran; memberikan perlindungan optimal terhadap karat, korosi dan keausan berlebih; memiliki keseimbangan yang baik antara kestabilan oksidasi, *detergency* dan *dispersancy* untuk mencegah pembentukan deposit pada piston dan menjaga kebersihan mesin serta dapat terpisah dengan mudah dari kotoran dan air melalui *centrifugal separator*.

Typical Characteristics

Characteristics	Test Method	MEDRIPAL 320	MEDRIPAL 420
SAE Viscosity Grade	-	30	40
Density at 15 °C, kg/L	ASTM D4052	0.8860	0.8973
Kinematic Viscosity at 40 °C, cSt	ASTM D7279	105.4	145.6
at 100 °C, cSt	ASTM D7279	11.67	14.54
Viscosity Index	ASTM D2270	98	98
Flash Point, °C	ASTM D92	240	270
Pour Point, °C	ASTM D97	-18	-18
Total Base Number, mg KOH/g	ASTM D2896	20	20

SPECIFICATIONS / APPROVALS

- MAN ES
- Yanmar
- Akasaka

APPLICATIONS

MEDRIPAL 20 series is recommended for medium speed trunk piston industrial and marine diesel engines, which burning distillate diesel fuel with sulphur content up to 1.0 % weight.

SPESIFIKASI / APPROVAL

- MAN ES
- Yanmar
- Akasaka

PENGUNAAN

MEDRIPAL 20 series direkomendasikan untuk mesin diesel industri dan perkapalan putaran sedang tipe *trunk piston* yang menggunakan bahan bakar dengan kandungan sulfur di bawah 1,0 % berat.