

PERTAMINA

Meditran P

SERIES

A high quality diesel engine lubricant which is formulated from High Viscosity Index (HVI) base oil with a well balanced additive package.

MEDITRAN P series have sufficient base number to neutralize combustion acid, provides optimum protection against rust, corrosion & excessive wear.

MEDITRAN P has a good balance between oxidation stability, detergency and dispersancy to prevent piston deposit formation and maintain engine cleanliness and also able to easily separated from dirt and water through centrifugal separator.

Pelumas berkualitas tinggi yang diformulasikan dari base oil *High Viscosity Index* (HVI) dengan keseimbangan bahan aditif yang baik.

MEDITRAN P series memiliki nilai *base number* yang memadai untuk menetralkan asam hasil pembakaran, memberikan perlindungan optimal terhadap karat, korosi dan keausan berlebih.

MEDITRAN P memiliki keseimbangan yang baik antara kestabilan oksidasi, *detergency* dan *dispersancy* untuk mencegah pembentukan deposit pada piston, menjaga kebersihan mesin, dan dapat terpisah dengan mudah dari kotoran dan air melalui *centrifugal separator*.

Typical Characteristics

Characteristics	Test Method	MEDITRAN P			
SAE Viscosity Grade	-	10W	30	40	50
Density at 15 °C, kg/L	ASTM D4052	0.8839	0.8938	0.8976	0.9025
Kinematic Viscosity at 40 °C, cSt	ASTM D7279	35.34	93.03	151.4	225.1
at 100 °C, cSt	ASTM D7279	5.97	10.83	14.90	19.56
Viscosity Index	ASTM D2270	113	100	98	99
Flash Point, °C	ASTM D92	230	252	268	278
Pour Point, °C	ASTM D97	-18	-18	-18	-18
Total Base Number, mg KOH/g	ASTM D2896	15	15	15	15

SPECIFICATIONS / APPROVALS

- API CD

APPLICATIONS

MEDITRAN P 30, 40 and 50 are specially designed for medium speed trunk piston industrial and marine diesel engines burning distillate diesel fuel with sulphur content less than 0.5 % weight.

MEDITRAN P 10W is recommended for use in certain marine and heavy-duty hydraulic system.

SPESIFIKASI / APPROVAL

- API CD

PENGUNAAN

MEDITRAN P 30, 40, dan 50 didesain khusus untuk pelumasan mesin diesel industri dan perkapalan putaran sedang tipe *trunk piston* yang menggunakan bahan bakar distilat dengan kandungan sulfur di bawah 0,5 % berat.

MEDITRAN P 10W direkomendasikan untuk sistem hidrolik perkapalan dan alat berat tertentu.