

PERTAMINA
MEDITRAN SMX
SAE 15W-40



ULTIMATE PERFORMANCE AND
LONGER DRAIN INTERVAL

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 **PERTAMINA**
LUBRICANTS



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MEDITRAN SMX
SAE 15W-40

Characteristics	Test Method	MEDITRAN SMX SAE 15W 40
SAE Viscosity Grade	-	15W-40
Appearance	-	Clear
Density at 15 °C, kg/l	ASTM D – 4052	0,8862
Kinematic Viscosity, at 40 °C, cSt	ASTM D – 445	107,90
at 100 °C, cSt	ASTM D – 445	14,45
Viscosity Index	ASTM D – 2270	137
ASTM Colour	ASTM D – 1500	L 4,0
Flash Point, °C	ASTM D – 92	222
Pour Point, °C	ASTM D – 5950	-33
Total Base Number, mg KOH/g	ASTM D – 2896	10

MEDITRAN SMX SAE 15W-40 is a high quality heavy duty engine oil designed for industrial and marine high speed diesel engine.

MEDITRAN SMX SAE 15W-40 meets the requirements of MTU's marine diesel engine oils MTL 5044 Category 2

PERFORMANCE LEVELS

MEDITRAN SMX SAE 15W-40 meets the performance level API CH-4/SJ, ACEA E7-08 Issue 2, MB sheet 228.3, Volvo VDS-3, Cummins 20076/77, Mack EO-M Plus, MAN M 3275, MTU Type 2 (approved), CAT ECF-1a, Renault Truck RLD-2, Detroit Diesel 93K215

SUPERIORITIES

- Providing effective protection against engine parts wear and yellow metal bearing corrosion (good wear and corrosion protection).
- Very good capability in preventing formation of carbon deposit caused by high temperature (good oxidation stability).
- Ability to retain high levels of soot, resulting stable viscosity figure.
- Extra demulsibility which makes this lubricant has very good capability in water separation (good demulsibility).

MEDITRAN SMX SAE 15W-40 adalah pelumas mesin diesel tugas berat bermutu tinggi untuk mesin diesel industri dan perkapalan putaran tinggi

MEDITRAN SMX SAE 15W-40 memenuhi persyaratan pelumas mesin diesel perkapalan merek MTU dengan performance level MTL 5044 Category 2.

TINGKATAN MUTU

MEDITRAN SMX SAE 15W-40 memenuhi performance level API CH-4/SJ, ACEA E7-08 Issue 2, MB sheet 228.3, Volvo VDS-3, Cummins 20076/77, Mack EO-M Plus, MAN M 3275, MTU Type 2 (approved), CAT ECF-1a, Renault Truck RLD-2, Detroit Diesel 93K215

KEUNGGULAN

- Memberikan perlindungan yang efektif terhadap bagian – bagian mesin dari keausan dan korosi pada bearing yang mengandung tembaga (perlindungan terhadap keausan dan korosi yang baik).
- Mempunyai kemampuan yang baik dalam mencegah pembentukan karbon deposit yang di akibatkan oleh suhu tinggi (stabilitas oksidasi yang baik)
- Mempunyai kemampuan untuk melarutkan soot sehingga viskositas tetap stabil.
- Mempunyai kemampuan yang baik untuk memisah dari air.