

# PERTAMINA MEDITRAN SX PLUS

## SAE 15W-40 API CI-4

**HIGH  
PERFORMANCE  
HEAVY DUTY  
DIESEL OIL**



Characteristics	Test Method	MEDITRAN SX 15W-40 (API CI-4)
SAE Viscosity Grade		15W-40
Appearance		Clear
Density at 15 °C, kg/l	ASTM D – 4052	0.8684
Kinematic Viscosity at 40 °C, cSt	ASTM D – 445	100.2
at 100 °C, cSt	ASTM D – 445	14,25
Viscosity Index	ASTM D – 2270	146
ASTM Colour	ASTM D – 1500	L 4,5
Flash Point, °C	ASTM D – 92	252
Pour Point, °C	ASTM D – 5950	-23
Total Base Number, mgKOH/g	ASTM D – 2896	Min 10

**MEDITRAN SX PLUS SAE 15W-40 (API CI-4)** is a top performance heavy duty diesel engine oil, with high performance level, based on API Service Category.

**MEDITRAN SX PLUS SAE 15W-40 (API CI-4)** is especially formulated for the latest heavy duty diesel engine using EGR (Exhaust Gas Recirculation) technology.

### PERFORMANCE LEVELS

**MEDITRAN SX PLUS SAE 15W-40 (API CI-4)** has a high performance level based on API Service API CI-4. The complete performance level of this lubricants are as follows: API CI-4 (approved)/CH-4/CG-4/CF-4/SL, ACEA E7/B4/A3, MB-Approval 228.3, MAN 3275, Volvo VDS-3, Mack EO-M Plus, Cummins 20071/73/76/77/78, MTU Category 2 (Approved), CAT ECF-2, ECF-1a, Renault Truck RLD-2/RLD.

### SUPERIORITIES

- Stable viscosity that gives optimum acceleration

and engine protection during start up and high temperature operation.

- High durability against oxidation & high temperature, combined with improved alkalinity reserve, provides optimum protection from wear and corrosion and proven longer oil drain interval.
- Balanced detergency and dispersancy resulting in very good soot control and engine cleanliness that maintain engine and filter performance.

### APPLICATION

**MEDITRAN SX PLUS SAE 15W-40 (API CI-4)** is designed to be used in latest heavy duty diesel engines include those with EGR technology, using high speed diesel fuel with maximum Sulphur content up to 0.5%.

**MEDITRAN SX PLUS SAE 15W-40 (API CI-4)** is suitable for many types of heavy duty diesel engines that used in vehicles (Multi Purpose Vehicles, buses, truck, etc.) for industrial and construction, ship engine and locomotive engines.