



Diesel Engine Oil Super (CI-4)

Extra High Performance Diesel Engine Oil

Diesel Engine Oil Super is high performance dedicated heavy duty diesel engine oil designed for use in high speed turbocharged and naturally aspirated engines. It uses exclusive additive formulation in conjunction with highly refined Group II base oils to deliver longer life and enhanced protection. It is formulated for severe duty service in engines specifically designed to meet on-highway exhaust emissions standards as well as being suitable for a wide range of heavy-duty off-highway applications.

Applications

- **On-highway Heavy Duty Trucks**

Diesel Engine Oil Super provides demonstrated protection and performance in the heavy duty trucks. It is suitable for both naturally aspirated and turbocharged engines.

- **Construction and Mining**

Diesel Engine Oil Super is recommended for most engine types found in the construction and mining equipment. It is formulated to provide continuous protection even where higher sulphur fuels are used.

- **Agricultural Equipment**

Diesel Engine Oil Super is ideally suited for start-stop service found in agricultural operation and protects against bearing wear and deposit formation even under high load low speed conditions

- **Unique formulation**

The exclusive formulation of Diesel Engine Oil Super delivers a step change in performance levels to the efficiency and life of your machinery.

- **Greater Protection and Higher Temperatures**

With increasing power, modern machines have to work harder for longer, resulting in increased heat and stress on the engine oil. Diesel Engine Oil Super provides increased resistance to thermal breakdown ensuring continued protection throughout the drain interval, even under the most severe conditions.

- **Longer Life**

The exclusive additive formulation in Diesel Engine Oil Super can fight the combined effect of combustion acids and increased heat for longer periods than other oils. This performance reserve ensures the oil continues to protect against wear and corrosion right up until the oil is drained

Specifications and Approvals

ACEA	E7-12
API	CI-4/ SL
Cummins	CES 20076/77/78
ACEA	A3/B3/B4-12
MACK	EO-N
MTU	Type 2
MB	228.3 (Blanket Approval)
MAN	M3275-1
RENAULT TRUCKS	RLD-2
JASO	DH-1
GLOBAL	DHD-1
Volvo	VDS-3
DEUTZ	DQC-III-10
CATERPILLAR	ECF-2, ECF-1a
ALLISON	C4 Level

Health and Safety

Diesel Engine Oil Super is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Distributed By Spectra Oil Corporation Limited

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Advice

Advice on application not covered in this leaflet may be obtained from your Spectra Representative. See contact details below.

Typical Physical Characteristics

Diesel Engine Oil Super CI-4	15W-40
SAE Viscosity Grade	15W-40
Kinematic Viscosity @ 40°C mm ² /s 100°Cmm ² /s (IP 71, ASTM D 445)	110 - 120 14.66 – 15.5
Dynamic Viscosity @ -15°C mPas -20°C mPas -25°C mPas (ASTM D5293)	- 6600 -
Viscosity Index (ISO 2909 ASTM D 2270)	130 min
Total Base Number mgKOH/g (ASTM D2896)	10.0 – 11.5
Sulphated Ash % (ASTM D874)	1.5
Density @ 15°C kg/m³ (IP 365 ISO 12185 ASTM D4052)	871-888
Flash Point (PMCC) °C (IP 94 ASTM D93)	205
Pour Point °C (ASTM D97)	-30

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