



## Maratron LSP Special 15W-40 CK-4

Heavy Duty Premium Diesel Engine Oil

### TECHNICAL DATA SHEET

#### Product Description:

Veedol Maratron LSP Special 15W-40 CK-4 is advanced technology heavy duty premium diesel engine oil specially developed for modern generation, high-output, low-emission engines including those with particulate filters and other advanced after treatment systems.

Veedol Maratron LSP Special 15W-40 CK-4 is recommended for use in a wide range of heavy-duty applications delivering longer oil life, enabling longer service intervals even under severe operating conditions.

Veedol Maratron LSP Special 15W-40 CK-4 is fully backward compatible and delivers exceptional performance in both newer and older heavy duty engine designs. It is effective at sustaining emission control system durability where particulate filters and other advanced after-treatment systems are used. It is formulated for use in all applications with diesel fuel sulphur content ranging from ultra-low to 500 ppm.

Veedol Maratron LSP Special 15W-40 CK-4 oil is designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

#### Performance Specifications:

Meets & Exceeds performance requirements of

- API CK-4/ SN
- ACEA E9-2016
- Cummins CES 20086
- Detroit DFS 93K222
- Mack EO-S-4.5
- Volvo VDS 4.5
- Caterpillar ECF-3
- Ford WSS M2C171-F1
- JASO DH-2
- MB 228.31
- Renault RLD-4
- MTU Category 2.1
- Deutz DQC III-10 LA

#### Features/Benefits:

- Improved oxidation and wear control provides superior performance in extreme conditions.
- Excellent soot and viscosity control for greater engine efficiency and longer oil life.
- Reduced oil consumption.
- Exceptional cold temperature properties including easy startup.
- Good piston cleanliness, lesser deposits.
- Excellent control over valve-train and bore polishing wear.
- Overall enhanced wear & corrosion protection for reduced maintenance cost and longer engine life.
- Compatible with API CJ-4 engine oils and older.
- Low ash formulation meeting API CK-4 / CJ-4 requirements.

#### Application:

Recommended for use in heavy duty diesel engines including Euro VI modern low emissions vehicles, utilizing particulate filters and other advanced after treatment systems.

#### Typical Properties:

Test Parameter	ASTM Test Method	Typical Values
Kinematic Viscosity, @ 100°C, cSt	ASTM D 445	14.4
Viscosity Index	ASTM D 2270	138
Flash Point (COC), °C	ASTM D 92	234
Pour Point, °C	ASTM D 97	- 33
CCS Viscosity @-20°C, mPa.s	ASTM D 5293	5470

Properties mentioned above are typical only and minor variations which do not affect the product performances, are to be expected in normal manufacturing.