

## Synthetic Blend HD 10W-30 Multigrade Heavy-Duty Motor Oil

API CK-4

### Product Description

Synthetic Blend HD 10W-30 Multigrade Heavy-Duty Motor Oil is a state-of-the-art all-season lubricant formulated for modern highway diesel engines, including those with EGR systems and advanced emission controls. This semi-synthetic formulation combines premium quality base stocks and an advanced additive package to ensure compliance with EPA standards for Ultra-Low Sulfur Diesel (ULSD) engines.

It offers improved aeration resistance, superior oxidation control, soot management, and advanced wear protection. Suitable for naturally aspirated, turbocharged, and supercharged diesel engines, as well as four-cycle gasoline engines.

### Applications

Recommended for all major diesel and mixed-fleet (diesel/gasoline) engine operations under all service conditions. Ideal for:

- Engines with Exhaust Gas Recirculation (EGR)
- Diesel Particulate Filter (DPF) systems
- Diesel Oxidation Catalyst (DOC) technologies

Meets or exceeds the following performance standards:

- API CH-4, CI-4, CI-4 Plus, CJ-4, CK-4
- ACEA E-7-12 & E-9-12
- Mack EO-0 Premium Plus, Mack EOS-4.5
- Renault VI RLD-3, RLD-4
- Caterpillar ECF-3
- Cummins CES 20081, CES 20086
- Detroit Diesel DDC93K218, DDC93K222
- JASO DH-2, MB-228.31, MAN M3575
- MTU 2.1, Deutz DQC III-10 LA
- Ford WSS-M2C171-E, WSS-M2C171-F1 - Volvo VDS-4, VDS-4.5

### Typical Properties

Property	10W-30
Viscosity, cSt @ 40°C	76.39
Viscosity, cSt @ 100°C	11.6
Viscosity Index	145
Viscosity, CCS @ -20°C (cP)	6350
Flash Point, °C/°F	221 / 430
Pour Point, °C/°F	-34 / -30
Sulfated Ash, %wt	1.0
TBN (Neutralization No.)	10.0
HTHS, Vis @ 150°C (cP)	3.5
API Gravity @ 60°F	30.5

\*The values shown are typical of current production. Some are controlled in the manufacturing process while others are not. All of them may vary within tolerable ranges.



## Relyant® Technical Data Sheet