

**Synthetic HD 10W-30, 15W-40 Multigrade Heavy-Duty Motor Oil****Product Description**

Synthetic HD 10W-30 and 15W-40 Multigrade Heavy-Duty Motor Oils is the most current formulated heavy duty motor oil for all-season use in highway commercial diesel engines, including EGR equipped engine emission-controlled systems. The product is manufactured from synthetic base stocks with additive technology to provide engine protection for current EPA exhaust particulate emissions standards using Ultra-Low Sulfur Diesel (ULSD). It meets performance requirements for all naturally aspirated, turbocharged and supercharged, diesel engines as well as all four-cycle gasoline engines. The product reflects test improvements in reducing aeration, better oxidation stability, enhanced soot control, and advanced wear protection.

**Applications**

Recommended for all major diesel and mixed fleet (diesel/four-cycle gasoline) engine operations in all service and under all operating conditions where the equipment owner specifies the additional performance benefits of multigrade oils. This product is preferable for newer diesel engines with EGR systems and those equipped with Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC) technologies.

**Typical Properties**

Property	10W-30	15W-40
Viscosity, cSt @ 40°C	70	104
Viscosity, cSt @ 100°C	10.90	15.25
Viscosity Index	154	154
Viscosity, CCS @ -25°C (cP)	5500	-
Viscosity, CCS @ -20°C (cP)	-	4000
Flash Point, °C/°F	227 / 440	240 / 465
Pour Point, °C/°F	-37 / -35	-37 / -35
Sulfated Ash, %wt	0.9	0.9
TBN (Neutralization No.)	10.0	10.0
API Gravity @ 60°F	33.5	32.5

\*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.