



## Heavy Duty Diesel Engine Oil 15W-40 XHD-7

**America's Choice<sup>®</sup>** HEAVY DUTY DIESEL ENGINE OIL XHD-7 is recommended for use in naturally aspirated, turbo-charged or super-charged diesel, gasoline and propane engines in on-highway, off-highway, construction, farm, marine, pick-up and delivery and passenger car service. Exceeds API Service, CJ-4, CI-4 PLUS, CI-4, CH-4, SM as well as the requirements of Cummins CES 20081, Caterpillar ECF-a, ECF-2 AND ECF-3, Detroit Diesel PGOS 93K218 and MACK EO-O Premium Plus. XHD-7 was especially designed to meet diesel engine manufacturers latest requirements for EGR/EPF engines.

### FEATURES:

- Exceeds API Service CJ-4/SM, CI-4 Plus, CI-4/SL
- MACK EO-O Premium Plus Approved
- Cummins CES 20081 Approved
- Detroit Diesel PGOS 93K218 Approved
- Meets Caterpillar ECF-1A, ECF-2, ECF-3
- Meets Volvo VDS-4
- Meets MB 228.3
- Meets ACEA E7
- Meets MTU Type II
- Unmatched varnish, sludge and carbon deposit control
- Low valve train, ring and liner wear
- Extra protection against bearing and bushing corrosion.
- Boosted oxidation control to minimize oil thickening
- Excellent high temperature stability
- Controls oil thickening and provides good filterability with the newer high soot producing emission controlled EGR/EPF engines.

### APPLICATIONS:

- Newer low emission EGR/EPF Diesel engines specifying the latest API Service CJ-4/SM
- Also recommended for older engines calling for API Service CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF-2, CF, CE, CD-II, CD/SG
- MACK engines specifying MACK EO-o Premium Plus, EO-N Premium Plus, EO-M Plus, EO-M, EO-L Plus, EO-L and EO-K2 oils
- Gasoline engines specifying up to API SM
- Power shift transmissions specifying ALLISON C-3/C-4 and CAT TO-2 fluids.
- Mobile equipment hydraulic systems specifying engine oils

### TYPICAL PROPERTIES

<u>SAE GRADE</u>	<u>15W-40</u>
Sp. Gravity @ 15.6 °C	0.887
Viscosity	
cSt @ 40 °C	118
cSt @ 100 °C	15.7
Viscosity Index	140
CCS Viscosity	
cP @ -20	6700
Flash Point, °C	217
Pour Point, °C	-33
Color (ASTM)	3.5
TBN	9.5
Sulfated Ash, % Mass	0.98

NOTE: The values shown are representative of current production and may vary within modest ranges.