



## **NORTH AMERICAN LUBRICANTS, CO.**

### ***Puratech CleanFleet HD 15W-40***

Puratech CleanFleet HD 15W-40 is the latest generation premium heavy-duty motor oil that meets and exceeds the service requirements of virtually all diesel engine manufacturers for both 2007 emission compliant and older engines. Puratech CleanFleet HD 15W-40 is particularly recommended for four-stroke cycle engines using low sulfur EPA diesel and ultra low sulfur diesel (ULSD) fuel in virtually all on-highway and off-highway service applications.

This outstanding product is recommended for all engines requiring API CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF, CD-II, CD, SM, SL, SJ, or SH quality oils. Puratech CleanFleet HD 15W-40 is also recommended for applications in current or older engines manufactured by Caterpillar, Cummins, Detroit Diesel, Mack, MAN, Daimler Chrysler, Volvo and others. This multi-dimensional oil can also be used in gasoline engines or in natural gas conversions that require an API SM, SL, SJ or SH oil.

Puratech CleanFleet HD 15W-40 is formulated with state-of-the-art base oils and additive systems to provide superior wear and deposit protection during cold engine start-up through maximum operating temperatures. Ultimate protection is delivered in all climates and driving conditions, from stop-and-go city driving to long-distance hauling. It provides superior soot control and an exclusive detergent system for outstanding engine cleanliness extending the life and optimizing service intervals of diesel particulate filters (DPF) and exhaust gas recirculation (EGR) systems.

Puratech CleanFleet HD 15W-40 is designed for use in truck fleets, agricultural equipment, bus fleets, marine fleets, and in mixed fleets that include both gasoline and diesel engines.

Typical test data are average values only and as such minor variations from these values are to be expected in normal production and will not affect the performance characteristics of this product.

**Meets API** – CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 & SM, SL, SJ, SH.

**Meets ACEA**- E7

**Meets Engine Manufacturer Performance Requirements for** – Caterpillar ECF-1, ECF-3 & Cummins CES 20081, 20078, 20077, 20076, 20071 & Detroit Diesel 93K218 & Mack EO-O Premium Plus 07, EO-N, EO-M Plus, EO-M, EO-L P  
lus, EO-L & Daimler Chrysler 228.3, Chrysler MS 6395-G & Ford ESE-M2C153-E & General Motors 6094-M & MIL-L- 2104E, MIL-L-46152E (obsolete) & Allison C4 & Caterpillar TO-2 fluids & Department of Defense CID-a-a-52306A2, A-A-52039A3 & Volvo VDS 4 & MAN M3275 & BMW, VW and many others.

#### ***Puratech CleanFleet HD Motor Oil*** **TYPICAL INSPECTION TESTS**

SAE Grade	15W-40
API Service	CJ-4, CI-4 Plus, CI-4/CH-4/CG-4/ CF-4/CF/SM/SL/SJ/SH
API Gravity	29.0
Flash Point, °C (°F)	204 (400)
Pour Point (°C / °F)	-35 / -37
Viscosity, cP @ -20°C (Cold Crank, CCS)	6900
Viscosity, cSt @ 40°C	115
Viscosity, cSt @ 100°C	15.0
Viscosity Index	135
Total Base Number, D2896	7.8
Ash, Sulfated, wt. %	1.0 max
Zinc, wt. %	0.11
Phosphorus, wt %	0.11