



UNITED HYDRO 800

Product Description:

Today's technology trend of diesel engine is towards more environment conscious products with less gas emission and longer overhaul period. Coming along with these development, new devices like the Exhaust Gas Recirculation(EGR) rely much more on the performance of the engine oil being used. United Hydro 800 Diesel Engine Oil, the newest product of the United series high performance heavy diesel engine oils, is well positioned to address those needs.

Blended from hydrocracked base stocks and a state-of-art additive package, United Hydro 800 Diesel Engine Oil is truly a universal lubricant required for EPA 2007 compliant diesel engines equipped with after treatment devices such as diesel oxidation catalysts and particulate filters. It also meets the latest European ACEA standards and American API performance. This means United Hydro 800 Diesel Engine Oil is simply the top player for both the modern North American engines and the top-tier European engines.

Applications / Benefits:

- ▣ Provide unsurpassed control of soot.
- ▣ Protection of highly stressed piston rings and cylinder liners.
- ▣ Exceptional protection of valve train system used in modern diesel system.
- ▣ Satisfying most diesel engine OEM oil demand.
- ▣ Exceeds the highest API gasoline engine performance as well.
- ▣ Particular suitable for the latest diesel engine meeting EURO IV, EURO V and EURO VI emission requirements.

Typical Characteristics:

Test Description	Method	10W30	15W40
SAE Viscosity Grade	SAE J 300	10W30	15W40
Specific Gravity @ 15 °C	ASTM D 4052	0.864	0.882
Flash Point, °C	ASTM D 92	214	220
Pour Point , °C	ASTM D 97	-30	-27
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	78.5	116.6
cSt @ 100°C	ASTM D 445	11.6	14.9
Viscosity Index	ASTM D 2270	140	132
TBN, mgKOH/g	ASTM D 2896	9.5	9.5
Color	ASTM D 1500	<3.0	<3.0



United Oil
PERFORMANCE • VALUE • RELIABILITY

Specifications, Approvals & Recommendations:

- API CJ-4/CI-4 Plus/CI-4/CH-4/SN/SM
- API CJ-4/CF/SL
- MB-Approval 228.31
- ACEA E7-08
- ACEA E9-08
- Cummins CES 20081 & CES 20077, 76, 71
- Volvo VDS-4, VDS-3
- RVI RDL-3
- Detroit Diesel DDC 93K218, 93K215
- Caterpillar ECF-3
- Caterpillar ECF-2
- Caterpillar ECF-1A
- MAN M3275
- Mack EO-O Premium Plus, Mack EO-M Plus

Product Data Sheet