

UNITED HYDRO 800

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 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 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 EURO4 or EURO5 emission requirements.

TYPICAL CHARACTERISTICS

TEST DESCRIPTION	METHOD	TYPICAL RESULTS		
		10W30	10W40	15W40
SAE Viscosity Grade	SAE J 300	10W30	10W40	15W40
Specific Gravity @ 15 °C	ASTM D 4052	0.864	0.871	0.882
Flash Point, °C	ASTM D 92	214	216	220
Pour Point , °C	ASTM D 97	-33	-33	-33
Kinematic Viscosity @40°C (cSt)	ASTM D 445	78.5	105.1	116.6
@100°C (cSt)	ASTM D 445	11.6	14.8	14.91
Viscosity Index	ASTM D 2270	140	146	131.9
TBN, (mgKOH/g)	ASTM D 2896	9.5	9.5	9.5
Color	ASTM D 1500	3.5	3.5	3.5

MEETS THE REQUIREMENTS OF

- 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
- GLOBAL DHD-1
- Renault RLD-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
- MTU Cat 2.1
- Deutz DQC III-10-LA
- JASO DH-2
- Allison C4

