



UNITED HYDRO 600

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 600, using only the hydro-treated base oil to maximize the protection under severe operating conditions, is well positioned to address those needs.

Blended from hydro-treated base stocks and a high technology core additive package, United Hydro 600 Engine oil is truly a universal heavy duty diesel oil meeting the stringent European ACEA standard as well as American API performance. This means United Hydro 600 is simply the top player for both the modern North American engines and the top-tier West European engines.

Applications / Benefits:

- ▣ Minimizes oil consumption.
- ▣ Satisfying most diesel engine OEM oil demands.
- ▣ Hydro-treated base, inherent thermal-stability and anti-oxidation property
- ▣ Particular suitable for the modern diesel engine equipped with EGR.

Typical Characteristics:

Test Description	Method	15W40	15W50	20W50
SAE Viscosity Grade	SAE J 300	15W40	15W50	20W50
Specific Gravity @ 15 °C	ASTM D 4052	0.876	0.878	0.883
Flash Point, °C	ASTM D 92	230	232	238
Pour Point, °C	ASTM D 97	-27	-27	-21
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	113.8	146.5	177.7
cSt @ 100°C	ASTM D 445	15.1	18.5	19.2
Viscosity Index	ASTM D 2270	138	142	124
TBN, mgKOH/g	ASTM D 2896	11.2	11.2	11.2
Color	ASTM D 1500	≤ 2.0	≤ 2.0	≤ 2.0



United Oil
PERFORMANCE • VALUE • RELIABILITY

Specifications, Approvals & Recommendations:

- API CI-4/SL
- ACEA E7
- Caterpillar ECF-2/1A
- Cummins CES 20078
- Cummins CES 20077
- Cummins CES 20076
- Detroit DFS 93K215
- Deutz DQC III-18
- JASO DH-1
- Mack EO-M, EO-M PLUS
- MB-Approval 228.3
- MAN M3275
- MTU Category 2
- Volvo VDS-3, Mack EO-N, Renault RLD-2

Product Data Sheet