

UNITED HYDRO 600

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 | TYPICAL RESULTS | | |
|---------------------------------|-------------|-----------------|-------|-------|
| | | 15W40 | 15W50 | 20W50 |
| SAE Viscosity Grade | SAE J 300 | 15W40 | 15W50 | 20W50 |
| Specific Gravity @ 15 °C | ASTM D 4052 | 0.879 | 0.881 | 0.883 |
| Flash Point, °C | ASTM D 92 | 230 | 232 | 238 |
| Pour Point, °C | ASTM D 97 | -33 | -33 | -30 |
| Kinematic Viscosity @40°C (cSt) | ASTM D 445 | 113.8 | 146.5 | 177.7 |
| | ASTM D 445 | 15.1 | 18.5 | 19.2 |
| Viscosity Index | ASTM D 2270 | 138 | 142 | 124 |
| TBN, (mgKOH/g) | ASTM D 2896 | 10.0 | 10.0 | 10.0 |
| Color | ASTM D 1500 | <3.0 | <3.0 | <3.0 |

MEETS THE REQUIREMENTS OF

- API CI4/SL
- Mercedes-Benz 228.3
- Mack EO-L / EO-M / EO-M Plus / EO-N
- Mercedes-Benz 229.1
- ACEA A3 / B4
- ZF TE-ML-04C
- Caterpillar ECF-2
- JASO DH-1
- MTU Type 2
- Renault Truck RLD/RLD-2
- Allison C-4
- VOLVO VDS 3
- MAN 270 / 271
- MAN M3275
- ACEA E3 / E5 / E7
- GLOBAL DHD-1
- CUMMINS 20071 / 20072
- CUMMINS 20076 / 20077 / 20078
- Detroit Diesel DDC 93K215
- VW 505

* Please note official claim apply to SAE 15W40 only

