



UNITED XD 9000 S (SHPD)

Product Description:

United XD 9000 S (SHPD) is formulated using a robust additive package and selected base stocks to deliver real performance in today's heavy-duty diesel engines, especially those fitted with modern features like Super-charger, Turbo-charger and multi-valves drive trains.

United XD 9000 S (SHPD) is a proven choice with the transportation industry in Asian region. It minimizes high temperature carbon deposits, which is by far the most concerned issue for today's heavily loaded modern diesel engines. The reduced carbon build-up means less rings wear and cylinder bore polishing resulting in much reduced diesel consumption, less ring breakage and piston skirt scuffing. Its high ability to neutralize acidic by-products from the diesel combustion ensures minimum corrosion of the engine parts throughout the lengthy oil drain interval.

Applications / Benefits:

- ▣ Minimize oil consumption.
- ▣ Protects against ring and cylinder wear.
- ▣ Keeps piston clean.
- ▣ Neutralizes acids from high sulfur fuel.
- ▣ High performance both in diesel and gasoline engine.

Typical Characteristics:

| Test Description | Method | 15W40* | 15W50 | 20W50 |
|---------------------------------|-------------|--------|-------|-------|
| SAE Viscosity Grade | SAE J 300 | 15W40* | 15W50 | 20W50 |
| Specific Gravity @ 15 °C | ASTM D 4052 | 0.877 | 0.881 | 0.883 |
| Flash Point, °C | ASTM D 92 | 228 | 228 | 244 |
| Pour Point, °C | ASTM D 97 | -27 | -27 | -21 |
| Kinematic Viscosity, cSt @ 40°C | ASTM D 445 | 113.7 | 142.2 | 177.7 |
| cSt @ 100°C | ASTM D 445 | 14.8 | 18.1 | 19.8 |
| Viscosity Index | ASTM D 2270 | 134 | 142 | 129 |
| TBN, mgKOH/g | ASTM D 2896 | 10.0 | 10.0 | 10.0 |
| Color | ASTM D 1500 | ≤ 2.5 | ≤ 2.5 | ≤ 2.5 |



United Oil
PERFORMANCE • VALUE • RELIABILITY

Specifications, Approvals & Recommendations:

- API CH-4 / SL
- ACEA E7-12 (2012)
- CAT ECF-1-a
- Cummins CES 20076
- Cummins CES 20077
- Detroit Diesel DDC 93K215
- Deutz DQC III-10
- Mack EO-M Plus
- Mack EO-N
- MAN M 3275
- MB-Approval 228.3
- MTU Type 2
- Renault Truck RLD-2
- Volvo VDS-3

* Please note performance is SAE grade specified.

Product Data Sheet