



UNITED XD 8000

Product Description:

United XD 8000 diesel engine oil is designed to meet the lubrication requirements of most diesel engines. It provides outstanding protection for engines at high temperature.

United XD 8000 engine oil is a performance product which is optimized to provide maximum control of carbon deposit, minimum oil consumption and best neutralizing ability for not only new engine design, but also some diesel engine type designed in as early 80's. Its high alkaline reserve neutralizes harmful combustion by-products when engine burning relatively low quality diesel with higher sulfur content.

United XD 8000 also perform equally well in many types of gasoline engine, giving mix fleet operators a high performance product for widest using coverage.

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	30	40	50	10W-30	15W-40	20W-50
SAE Viscosity Grade	SAE J 300	30	40	50	10W-30	15W-40	20W-50
Specific Gravity @ 15 °C	ASTM D 4052	0.8810	0.885	0.892	0.871	0.878	0.883
Flash Point, °C	ASTM D 92	230	235	248	210	222	242
Pour Point, °C	ASTM D 97	-15	-15	-12	-30	-27	-21
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	105.2	138.6	220.9	72.9	115.1	175.1
cSt @ 100°C	ASTM D 445	11.8	14.8	19.5	11.2	15.0	18.8
Viscosity Index	ASTM D 2270	100	108	100	145	135	121
TBN, mgKOH/g	ASTM D 2896	10.0	10.0	10.0	10.0	10.0	10.0
Color	ASTM D 1500	2.0	<3.0	<3.5	2.0	2.0	2.0

Suggested for the following uses:

- API CF4/CF2/CF/SG
- ACEA E1-96#2
- ACEA E2-96#5
- MIL-L-2104C; Kolomna M-14D2
- MAN 270
- MB 228.0 / 228.1
- Allison C-3 / C-4
- Caterpillar TO-2
- MTU Type 1