

# UNITED XD 8000

## Product Description

**Hydrotreated Diesel Engine Oil designed to meet the lubrication requirements of most diesel engines. It provides outstanding protection for engines operating at high temperature.**

This 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 designs, but also some diesel engine types designed in the early 80's. Its high alkaline reserve neutralizes harmful combustion by-products when burning relatively low quality diesel with higher sulfur content. It also performs equally well in many types of gasoline engines, giving mix fleet operators a high performance product for widest usage coverage.

## Applications / Benefits

- \* Minimize oil consumption
- \* Protects against ring and cylinder wear
- \* Keeps piston clean
- \* Neutralizes acids from high sulfur fuel

## Typical Characteristics

Test Description	Method	Unit	40	50	10W-30	10W-40
SAE Viscosity Grade	SAE J 300	-	<b>40</b>	<b>50</b>	<b>10W-30</b>	<b>10W-40</b>
Density @ 15 °C	ASTM D 4052	kg/L	0.885	0.892	0.869	0.866
Flash Point	ASTM D 92	°C	236	248	210	220
Pour Point	ASTM D 97	°C	-15	-12	-30	-30
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	138.6	220.9	72.9	97.7
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	14.8	19.5	11.2	14.8
Viscosity Index	ASTM D 2270	-	108	100	145	158
TBN	ASTM D 2896	mgKOH/g	10.2	10.2	10.2	10.2

## Typical Characteristics

Test Description	Method	Unit		
SAE Viscosity Grade	SAE J 300	-	<b>15W-40</b>	<b>20W-50</b>
Density @ 15 °C	ASTM D 4052	kg/L	0.877	0.879
Flash Point	ASTM D 92	°C	222	242
Pour Point	ASTM D 97	°C	-24	-18
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	115.1	175.1
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	15	18.8
Viscosity Index	ASTM D 2270	-	135	121
TBN	ASTM D 2896	mgKOH/g	10.2	10.2

## Specifications, Approvals & Recommendations

\* API                      CF-4/SG

Reference No.  
4160G2CF4SGREV0

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