



# Product Data Sheet

## Dakota XHD 10W, 30, 40, 50 Engine Oils

### PRODUCT DESCRIPTION

Dakota XHD Oils, through the use of premium quality base stocks and up-to-date additive technology, are formulated to provide the highest levels of equipment protection available. Dakota XHD Oils are available in 4 viscosity grades to comply with virtually all equipment applications. Equipment manufacturers' recommendations and conventional guides to lubricant selection should be followed to determine the best Dakota XHD Motor Oil grade for a specific application. Dakota XHD Oils also meet the Caterpillar ECF-1 specification.

### APPLICATIONS

Dakota XHD Oils may be recommended for the following uses (see applications chart):

- When CI-4, CH-4, CG-4, CF-4, CF, CF-2, CE, CD-II oils are required
- When SL, SJ, SH, SG, SF, SE, SD or SC oils are required
- When a U.S. Military CID A-A-52306 performance level is required
- When MIL-Prf-2 1 04G oils performance level is required
- When former MIL-L-46 1 52D oils performance level is required
- When GM 471 8M/6094M and Ford M2C 1 53-E oils are required
- In truck diesel engines, including turbo-charged models
- In Detroit Diesel 7SE 270, series 51, 71 and 92 engines
- Detroit Diesel Closed Crankcase Application TSB 01 -TS-07
- In Caterpillar ECF- 1, Navistar and Volvo engines
- In Mack engines (EO-N, EO-M Plus, EO-M, EO-L Plus, EO-L)
- In Cummins engines CES 20071, 20076, 20078
- In gasoline engines
- In Caterpillar drive trains (TO-2 )
- When Allison C-3/C-4 fluids are required
- In Fuller, Eaton and Spicer transmissions (SAE 50 preferred)

APPLICATIONS CHART	
ALLISON	C4, C3
CATERPILLAR	ECF-1, S-3, TO-2, 1K, 1N, 1R
CHRYSLER	MS63 95G
CUMMINS	CES 20071, CES 20076, CES 20077, CES 20078
DETROIT DIESEL	2 and 4 Cycle 6V92TA
FORD	M2C153G
GM	6094 M, 6.2 Liter
JOHN DEERE	4-CYCLE DIESEL & GASOLINE ENGINES
KOMATSU	Diesel Engines
MACK	EO-N, EO-M PLUS, EO-M, EO-L PLUS, EO-L
NAVISTAR	Naturally aspirated, Turbo charged
MERCEDES	MTU
VOLVO	VDS-2, VDS



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## FEATURES AND BENEFITS

- Excellent protection from deposits at all operating temperatures
- Excellent bearing corrosion protection (EGR critical)
- Excellent anti-wear properties
- Excellent anti-foam properties
- Excellent anti-rust properties
- Excellent soot control
- Extended drain capable

## TYPICAL PROPERTIES

<b>SAE GRADE</b>	10W	30	40	50
<b>Borderline Pumping Temp, °C</b>	-25	-	-	-
<b>Viscosity: cSt @100°C</b>	7	11.5	15.5	20.5
<b>SUS @ 210°F</b>	49.7	66	82	103.4
<b>Viscosity Index</b>	120	110	105	100
<b>Gravity, API</b>	30.5	30	28.5	27
<b>Pour Point</b>				
°C	-36	-24	-15	-15
°F	-33	-11	5	5
<b>Total Base Number</b>				
<b>D2896</b>	8	8	8	8

## HEALTH AND SAFETY INFORMATION

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet.