

## **Super-D<sup>TM</sup> 3 Diesel Engine Oil – Monogrades**

Kendall Super-D<sup>TM</sup> 3 monograde diesel engine oils are premium quality universal fleet engine oils designed for use in off-highway diesel equipment, farm machinery, marine engines and mixed commercial fleets, as well as in passenger cars and light trucks with either diesel or gasoline engines. They are formulated with proprietary additive chemistry that provides outstanding wear protection, soot control and bearing corrosion protection even in severe service intervals. They will provide excellent protection in diesel and gasoline engines where the use of monograde engine oils is specified. They also are recommended for use in some heavy-duty commercial transmissions.

Super-D<sup>TM</sup> 3 SAE 30, 40 and 50 viscosity grades meet or exceed the performance requirements of API CF and SL. The SAE 10W and 20W-20 viscosity grades are recommended for use in hydraulic systems and hydrostatic transmissions of off-highway diesel equipment, not for use in engines.

### ***Applications***

- Off-highway construction, earth moving and mining equipment
- Mixed fleets with both diesel and gasoline-fueled vehicles
- Farm equipment with diesel or gasoline engines
- Marine and stationary diesel engines (except those with silver bearings)
- Light trucks and passenger cars with diesel or gasoline engines
- Some heavy-duty commercial transmissions

Super-D<sup>TM</sup> 3 monogrades meet or exceed the requirements of:

- API Service CF, SL (SAE 30, 40, 50)
- Caterpillar TO-2
- Dana Spicer Transmissions
- Eaton Fuller Transmissions
- Meritor (Rockwell) Transmissions
- MIL-PRF-2104G (SAE 30, 40)

**Premium Universal  
Fleet Engine Oil**

**Customer Service  
Number:  
1-800-368-7128**

**Technical  
Hot line:  
1-800-368-1267**

**E-mail address:  
*kendallmotoroil@  
conocophillips.com***

### **Outstanding Features**

- Outstanding soot control for protection against abrasive wear and soot-induced oil thickening
- Outstanding resistance to viscosity and thermal breakdown at high temperatures
- Excellent wear protection
- Protects against engine sludge and varnish deposits
- Excellent rust and bearing corrosion protection
- Good resistance to foaming and aeration

### **Super-D™ 3 Diesel Engine Oil – Monogrades**

#### **Typical Properties**

<b>SAE GRADE</b>	<b>10W</b>	<b>20W-20</b>	<b>30</b>	<b>40</b>	<b>50</b>
API Service	—	—	CF, SL	CF, SL	CF, SL
Density, g/cm <sup>3</sup> @ 15.6°C (60°F)	0.874	0.879	0.882	0.889	0.889
Pounds per U.S. Gallon @ 15.6°C (60°F)	7.28	7.32	7.34	7.40	7.40
Color, ASTM D1500	L 2.5	4.0	L 4.0	L 4.5	L 5.0
Flash Point (COC), °C (°F)	218 (424)	220 (428)	240 (464)	246 (475)	262 (504)
Pour Point, °C (°F)	-30 (-22)	-30 (-22)	-25 (-13)	-24 (-11)	-24 (-11)
Viscosity,					
cSt @ 40°C	44.2	71.0	101	152	224
cSt @ 100°C	7.1	8.4	11.1	15.0	20.0
SUS @ 100°F	227	370	528	798	1,181
SUS @ 210°F	50.0	54.5	64.3	79.7	101
Viscosity Index	120	120	109	104	103
Cold Cranking Viscosity, cP	5,900	5,900	—	—	—
@ (°C)	(-25)	(-15)			
High Temp/High Shear Viscosity, cP @ 150°C	—	—	3.6	4.4	5.5
Sulfated Ash, ASTM D874, wt %	0.94	0.94	1.18	1.18	1.18
Total Base Number (TBN), ASTM D2896	7.5	7.5	9.5	9.5	9.5
Zinc, wt %	0.103	0.103	0.133	0.133	0.133

Due to continual product research and development, the information contained herein is subject to change without notification.

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