



**YOU GET OUT
WHAT YOU
PUT IN.** 

Super-D® 3 Diesel Engine Oil 20W-50

Kendall® Super-D 3 Diesel Engine Oil, SAE 20W-50, is a high-quality universal fleet engine oil designed for use in on-highway diesel trucks and off-highway diesel equipment operating in moderate to hot climates. It also is recommended for passenger cars and light trucks with either diesel or gasoline engines where the OEM recommends 20W-50 engine oil.

Super-D 3 SAE 20W-50 is formulated with advanced additive technology to provide outstanding wear protection, soot control and bearing corrosion protection. Excellent soot dispersancy protects against abrasive wear and soot-induced oil thickening, and ensures good low-temperature pumpability even with soot-laden oil. High dispersancy-detergency and a high alkaline reserve (TBN) provide extra protection in extended drain or severe service intervals.

Super-D 3 SAE 20W-50 meets or exceeds the performance requirements of API Service Categories CH-4 and SL. It is backward serviceable for use where API CG-4 or earlier "C" category engine oils are specified. It is not recommended for use in newer, low-emission diesel engines designed to meet 2004 and later exhaust emission standards.

Applications

- Older diesel equipment with conventional, non-EGR engines
- Mixed fleets with both diesel and gasoline-fueled vehicles
- Off-highway construction, earth moving and mining equipment
- Farm equipment with diesel or gasoline engines

Super-D 3 SAE 20W-50 is licensed for:

- API Service CH-4, SL

Features/Benefits

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

Universal Fleet Engine Oil



Super-D® 3 Diesel Engine Oil 20W-50

Typical Properties	
SAE Grade	20W-50
Specific Gravity @ 60°F	0.887
Density, lbs/gal @ 60°F	7.40
Color, ASTM D1500	L 4.0
Flash Point (COC), °C (°F)	242 (468)
Pour Point, °C (°F)	-27 (-17)
Viscosity, Kinematic	
cSt @ 40°C	190
cSt @ 100°C	20.0
Viscosity Index	125
Cold Cranking Viscosity, cP @ -15°C	9300
High Temp/High Shear Viscosity, cP @ 150°C	4.1
Sulfated Ash, ASTM D874, wt %	1.40
Total Base Number (TBN), ASTM D2896	10.5
Zinc, wt %	0.119

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/SDS>

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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