

Gard HSD 20W 50 MultiGrade

Extra High Performance Diesel Engine Oils

Product Description

Gard HSD 20W-50 is extra high performance diesel engine oil that provides excellent lubrication requirement of today's modern engines. This product meets and exceeds the specifications of almost all major European and American engine manufacturers.

Gard HSD 20W-50 formulation provides outstanding performance in both modern, demanding low emission diesel engines and older engines operating on low or high sulfur fuel. Gard HSD 20W-50 is blended with the high performance base stocks having good oxidation stability with low evaporation losses, the advanced additive system provides superior control of corrosive wear tendencies, low and high temperature stability, soot handling properties, piston deposit control, valve train wear, oxidative thickening, foaming and viscosity loss due to shear.

Features and Benefits

Gard HSD 20W-50 is formulated with high performance base oils and superior blended additive system to provide outstanding engine performance in modern diesel and gasoline engines demanding high performance lubricants as well as older models. The key benefits include

Features	Advantages & Potential Benefits
High thermal and oxidation stability	Reduce sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralization
Advanced detergency/dispersancy	Clear engines and longer component life
Stay-in-grade shear stability	Reduced oil consumption and effective wear protection.
Excellent low temperature properties	Start-up wear protection
Component compatibility	Longer gasket and seal life
Meets demanding specifications of key OEMs	One engine oil for mixed fleet operation

Applications

- Naturally aspirated and turbo charged diesel powered equipment from leading Japanese, European and American manufacturers
- On-high way light and heavy duty trucking
- Off-high way industries including construction, mining, quarrying and agriculture
- Mixed fleet applications



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Specifications

Gard HSD 20W-50 meets the following industry and builders specifications:	20W-50
API CI-4/CH-4/SL	X
ACEA E7-08	X

Typical Properties

Gard HSD Multigrade	
SAE Grade	20W-50
Viscosity ASTM D 445	
cSt @ 40° C	184.5
cSt @ 100° C	19.5
Viscosity Index, ASTM D 2270	121
Sulphated Ash, Wt %, ASTM D 874	1.30
Total Base #, mg KOH/g, ASTM D2896	9.0
Pour Point, ° C, ASTM D 97	-27
Flash Point, °C ASTM D 92	244
Density @ 15°C Kg/l, ASTM D 4052	0.897

Health & Safety

Based on the available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

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