



Product Data Sheet

OPTIMA D7

Product Description:

Today's technology trend of diesel engine is towards more environment conscious products with less gas emission and longer overhaul period. Coming along with these development, new devices like the Exhaust Gas Recirculation(EGR) rely much more on the performance of the engine oil being used. Optima D7, the newest version of the Optima D7 series high performance heavy diesel engine oil, is well positioned to address those needs.

Blended from hydrotreated base stocks and a high technology core additive package, Optima D7 Engine oil is truly a universal heavy duty diesel oil meeting the stringent Global DHD-1 specification that brings the European ACEA standard and American API performance together for the first time. This means Optima D7 Turbo Diesel is simply the top player for both the modern North American engines and the top-tier West European engines.

Applications / Benefits:

- ▣ Minimizes oil consumption.
- ▣ Satisfying most diesel engine OEM oil demand.
- ▣ Exceeds the highest API gasoline engine performance as well
- ▣ Neutralizes acids from high sulfur fuel.
- ▣ Particular suitable for the latest diesel engine equipped with EGR .

Typical Characteristics:

Test Description	Method	
SAE Viscosity Grade	SAE J 300	15W40
Specific Gravity @ 15 °C	ASTM D 4052	0.883
Flash Point, °C	ASTM D 92	224
Pour Point , °C	ASTM D 97	-24
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	113
cSt @ 100°C	ASTM D 445	14.8
Viscosity Index	ASTM D 2270	135
TBN, mgKOH/g	ASTM D 2896	10.5
Color	ASTM D 1500	<4.0

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Specifications, Approvals & Recommendations:

- API CI-4 Plus / SL
- MB-Approval 228.3
- VOLVO VDS-3
- Detroit Diesel DDC 93K214
- ACEA E7-08
- ACEA A3/B3-04
- ACEA A3/B4-04
- MTU Oil Category 1
- Caterpillar ECF-1
- Caterpillar ECF-2
- Commins CES 20078/77/76
- MAN M3275
- Mack EO-N Premium Plus
- Renault Truck RLD/RLD-2
- Global DHD-1

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