



Product Data Sheet

OPTIMA DX 9

Product Description:

Optima DX 9 Fully Synthetic Engine Oil is a top tier multigrade heavy duty diesel engine oil which refined from high-quality synthetic base oil and high-performance additive. With an advanced formulation, the lubricant engineered to protect engine against wear and corrosion throughout the oil-drain interval. Optima DX 9 Fully Synthetic Engine Oil not only assists in emission reduction that compatible with after treatment devices but also help contribute to overall fuel efficiency and reduce maintenance cost.

Optima DX 9 Fully Synthetic Engine Oil is specially designed to meet the requirement of ACEA E6 and ACEA E9 as well as API CK-4 coverage. It also has Volvo and MAN performances which are important to some key Chinese OEMs due to their technology partnership.

Applications / Benefits:

- ▣ Satisfying most diesel engine OEM oil demands.
- ▣ Effective prevention of wear and corrosion.
- ▣ Excellent oxidation resistance.
- ▣ Prolong the life of engine's components.
- ▣ Extending the oil change cycle.

Typical Characteristics:

Test Description	Method	5W-30	10W-40
SAE Viscosity Grade	SAE J 300	5W-30	10W-40
Specific Gravity @ 15 °C	ASTM D 4052	0.857	0.861
Flash Point, °C	ASTM D 92	216	228
Pour Point, °C	ASTM D 97	-36	-33
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	70.2	93.8
cSt @ 100°C	ASTM D 445	11.8	14.6
Viscosity Index	ASTM D 2270	164	162
TBN, mgKOH/g	ASTM D 2896	9.5	9.5
Color	ASTM D 1500	<4.0	<4.0
CCS, cP	ASTM D 5293	≤6600	≤7000
HTHS, cP	ASTM D 5481	≥3.5	≥3.5

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Suggested for the following uses:

- API CK-4
- API CJ-4
- ACEA E6
- ACEA E9
- CES 20086
- Detroit Diesel DDC93K222
- JASO DH-2
- MACK EOS-4.5
- MAN 3477 in SAE 10W40
- MAN 3677 in SAE 5W30
- MB 228.51
- Renault RLD-4
- Scania LDF-4 in SAE 5W30
- Volvo VDS 4.5

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