



## MOMENTA NANO MINERAL

### PRODUCT DESCRIPTION:

Momenta Nano is a high-performance diesel engine oil that provides excellent lubrication to diesel engines. It maximizes performance in the latest US, European and Japanese heavy-duty diesel engines including severe applications such as high loads and multi trailer applications. It exhibits outstanding detergent, dispersant and anti-wear properties to keep the engine clean and enable efficient control of soot, sludge and piston deposits.

### APPLICATION:

Recommended for modern heavy-duty engines, wide range of turbo-charged and naturally aspirated diesel engines as well as all kinds of gasoline engines, all types of generators, trucks, construction machinery, passenger cars or mixed fleet comprising diesel and gasoline powered cars.

### FEATURES & BENEFITS:

- High thermal and oxidation stability
- Reduced sludge buildUp, deposits and viscosity increase
- Stay-in-grade shear stability
- Excellent low temperature properties
- Wear protection and viscosity control
- Improved viscosity control and oil pumpability

### OEM Approvals:

- MB-Approval 228.3

### API LICENSE:

- SAE 15W-40



### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CI-4/SL
- ACEA E7, A3/B3/B4
- DTFR 15B1 10/229.1
- MAN M3275-1
- Volvo VDS-3
- Deutz DQC III-10
- JASO DH1
- MACK EO-N
- Cummins CES 20076/20077/78
- Global DHD1
- Renault RLD2
- MTU Type 2
- Allison C4
- Caterpillar ECF 1a, ECF 2
- DDC 93K215

### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	MOMENTA NANO		
			15W-40	20W-40	20W-50
Grade			15W-40	20W-40	20W-50
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	TBR	TBR	TBR
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	15.3	14.5	19.6
Viscosity Index (min)	D2270	-	135	120	120
SP. Gravity @ 15°C / 60°F	D4052	g/cm <sup>3</sup>	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220
Pour Point (max)	D97	°C	-33	-24	-24
TBN	D2896	mg KOH/g	11	11	11
CCS	D5293	m.Pa.S	<7000 (-20°C)	<9500 (-15°C)	<9500 (-15°C)

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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