



## MOMENTA NANO

### FULLY SYNTHETIC

#### PRODUCT DESCRIPTION:

Momenta Nano is a fully synthetic high-performance heavy-duty diesel engine oil that helps towards long engine life while providing long drain capability for modern diesel engines operating in severe applications. The high TBN level neutralizes the harmful effects of Sulphur contained in low quality diesel fuel. It delivers excellent performance in modern low emission engines, as well as older, well-maintained engines.

#### APPLICATION:

It is recommended for use in super high-performance diesel applications, including modern low emission engine designs with Exhaust Gas Recirculation (EGR). These applications include on-highway engines operating in both high speed / high load and stop-and-go conditions, off-highway engines operating in severe low speed / heavy load conditions, and all diesel-powered equipment from American, European, and Japanese equipment manufacturers.

#### FEATURES & BENEFITS:

- Outstanding thermal and oxidation stability
- One engine oil for mixed fleet operations
- Exceptional low temperature pumpability
- Helps towards long life of critical wear surfaces
- Long drain capability and Fuel economy potential

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CI-4/SL
- ACEA E7, A3/B3/B4
- DTRF 15B110 / 229.1
- MAN M3275-1
- Volvo VDS-3
- Deutz QQC III-10
- JASO DH1
- MACK EO-N
- Cummins CES 20076/20077/78
- Global DHD-1
- Renault RLD-2
- MTU Type 2
- Allison C4
- Caterpillar ECF 1a, ECF 2
- DDC 93K215

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	MOMENTA NANO			
			0W-30	0W-40	5W-30	5W-40
Grade			0W-30	0W-40	5W-30	5W-40
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D-7042	cSt	11.9	15.1	11.8	15
Viscosity Index (min)	D-2270	-	160	170	160	160
SP. Gravity @15°C/ 60°F	D-4052	g/cm3	TBR	TBR	TBR	TBR
Flash Point (min)	D-92	°C	220	220	220	220
Pour Point (max)	D-97	°C	-39	-39	-39	-39
TBN	D-2896	mg KOH/g	11	11	11	11
CCS, (°C)	D-5293	m.Pa.S	<6200 (-35°C)	<6200 (-35°C)	<6600 (-30°C)	<6600 (-30°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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