



## MOMENTA NANO SEMI SYNTHETIC

### PRODUCT DESCRIPTION:

Momenta Nano Semi Synthetic is a heavy-duty engine oil that provides excellent lubrication in today's diesel and gasoline engines operating in severe applications. It is designed using the high performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention and volatility control. Momenta Nano is engineered to provide a strong foundation for oxidation resistance, soot handling, and wear control. It provides excellent piston deposit protection and reduced sludge formation to help provide long engine life.

### APPLICATION:

Momenta Nano Semi Synthetic provides demonstrated protection and performance in the latest high power heavy-duty diesel engines from Europe, US, and Japanese manufacturers in both on-highway and off-highway applications. It is suitable for modern low emission engines meeting Euro 2, 3 and US 2002 emission requirements.

### SUITABLE FOR:



### FEATURES & BENEFITS:

- Increased thermal and oxidation stability
- Reduced sludge build-up, deposits and extended engine life
- Improved corrosion protection and advanced piston deposit control
- Advanced soot handling to control viscosity increase and sludge buildup
- Enhanced low temperature pumpability

### API LICENSE:

- SAE 10W-40



### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

This product is recommended for use in applications requiring:

- API CI-4/SL
- ACEA E7, A3/B3/B4
- MB 228.3 / 229.1
- MAN M3275-1
- Volvo VDS-3
- Deutz DQC 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 PERFORMANCE:**

PARAMETERS	ASTM	UNIT	MOMENTA NANO ( SEMI SYNTHETIC )	
			10W-30	10W-40
Grade				
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	74.15	102
Kinematic Viscosity @ 212°F /100°C	D-7042	cSt	11.75	15.1
Viscosity Index	D-2270	-	154	156
SP. Gravity @15°C/ 60°F	D-4052	g/cm <sup>3</sup>	0.875	0.876
Flash Point (min)	D-92	°C	236	234
Pour Point (max)	D-97	°C	-39	-39
TBN	D-2896	Mg KOH/g	11	11
CCS, (°C)	D-5293	m.Pa.S	<7000 (-25°C)	<7000 (-25°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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