



## MOMENTA NANO HT-PLUS

### PRODUCT DESCRIPTION:

Momenta Nano HT-Plus is a versatile & comprehensive heavy duty engine oil developed to meet wide range of heavy duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries. This product provides outstanding protection in the most demanding diesel engines of Caterpillar, Cummins, Detroit, Mack, Mercedes Benz, Renault, MAN, Navistar, Volvo, and others. Recommended for Euro V and VI Volvo engines and off-highway engines meeting EU Stage IV and EPA Tier IV, equipped with DPFS needing CJ-4/E9-12/VDS-4/Cat ECF-3 lubricants.

### ENGINE APPLICATION:

- |           |                        |                  |               |
|-----------|------------------------|------------------|---------------|
| • ACEA    | E9-16                  | • Renault Trucks | RLD-3         |
| • API     | CJ-4/CI-4+/CI-4, SN/CF | • cummins        | CES 20081     |
| • Daimler | MB 228.31              | • Caterpillar    | ECF-2, ECF-3  |
| • MAN     | M3575                  | • Deutz          | DQC III-10 LA |
| • MTU     | Type 2.1               | • DDC            | 93K218        |
| • Volvo   | VDS-4                  | • Golbal         | DHD-1         |
| • Mack    | EO-O Premium Plus      | • JASO           | DH-2          |

### GEARBOX APPLICATION:

- |                          |                          |
|--------------------------|--------------------------|
| • API: GL-4              | • Komatsu clutch (TO-40) |
| • ZF TE ML 07D           | • Allison C-4            |
| • Caterpillar TO-4M/TO-4 |                          |

### HYDRAULIC SYSTEM APPLICATION:

- |                |                 |
|----------------|-----------------|
| • ISO VG-68 HM | • KOMATSU HO-68 |
| • JCMA HK 68   | • Case MS 1230  |

### FEATURES & BENEFITS:

- High thermal and oxidation stability
- Stay-in-grade shear stability
- Excellent low and high temperature properties
- Longer gasket and seal life
- High TBN reserves
- Reduced sludge build-up
- Component compatibility
- Longer drain intervals
- Start-up wear protection
- One oil for mixed fleet operations

### TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	MOMENTA NANO HT-PLUS
SAE Grade			15W-40
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	109.20
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	15.30
Viscosity Index (min)	ASTM D-2270	-	147
SP. Gravity @15°C/ 60°F	ASTM D-4052	g/cm <sup>3</sup>	0.880
Flash Point (min)	ASTM D-92	°C	240
Pour Point (max)	ASTM D-97	°C	-36
TBN	ASTM D-2896	Mg KOH/g	13
CCS @ -20 °C	ASTM D-5293	m.Pa.S	6700

### 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)