



# GRANIT MAXIMUM



## DESCRIPTION

GRANIT MAXIMUM SAE 15W-40 is a mainline, high quality, SHPDEO, approved by major global vehicle manufacturers for use in their latest Euro III to Euro V engines with after-treatment systems (excl. DPF). Developed with "TriboACT® Formula" proprietary technology, GRANIT MAXIMUM SAE 15W-40 is the reliable solution for many vehicle fleets requiring an oil of ACEA E7-12 and API CH-4/ CI-4 performance level, providing for advanced antiwear protection and safeguarding the turbocharger's optimal operation from harmful deposits.

## APPLICATIONS

GRANIT MAXIMUM SAE 15W-40 utilizes the latest technology to deliver exceptional performance for both on- & off-highway heavy duty, Euro II engines to Euro IV ones (with EGR or SCR systems). GRANIT MAXIMUM SAE 15W-40 has a wide range of OEM approvals.

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
TriboACT® Formula engineered.	Enhanced wear protection; superior turbocharger shaft lubrication, protection and outstanding cleanliness and deposit control.
Superior engine cleanliness.	Ensuring the oil can flow freely to key areas of the engine.
High alkalinity retention.	Providing for full biofuel compatibility; outstanding resistance to corrosion; protection against piston ring sticking.
Low volatility properties.	Increased viscosity retention.

## PHYSICAL-CHEMICAL CHARACTERISTICS

GRANIT MAXIMUM	METHOD	SAE 15W-40
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0,880
Dynamic Viscosity, °C /cP	ASTM D5293	-20/6100
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.5
Viscosity, Kinematic (cSt) 40°C	ASTM D445	108
Viscosity index	ASTM D2270	138
Flash point, COC, °C	ASTM D92	228
Pour point, °C	ASTM D97	-30
TBN, mgKOH/g	ASTM D2896	10,4

The above mentioned characteristics represent mean values.

## SPECIFICATIONS

ACEA E7, E5, E3; API CI-4 (approved), CH-4, CG-4, SL (approved); MB-Approval 228.3; MAN M3275-1; MTU Cat. 2 (approved); Volvo VDS-3 (approved); Renault Trucks RLD-2 (approved); Mack EO-M Plus, EO-N (approved); Global DHD-1; Cummins CES 20076, CES 20077, CES 20078; DAF SHPD; Allison C4; Caterpillar ECF-2, ECF-1a; ZF TE-ML 07C; Deutz DQC III-10; Detroit Diesel DDC 93K215; IVECO 18-1804 T2 E3

## APPROVALS

API CI-4, SL; MB-Approval 228.3; MTU Cat. 2; Volvo VDS-3; Renault Trucks RLD-2; Mack EO-N