



GRANIT

SYN SHPD SAE 15W-40



“ Fully synthetic, SHPDEO for all Euro III, IV & V units without DPF requesting an ACEA E7, B4 & API CI-4 oil

Suitable for Mercedes-Benz, MAN, Volvo, Renault, Mack, Scania, IVECO, etc.

GRANIT SYN SHPD SAE 15W-40 is a fully synthetic HD engine oil, developed to meet the stringent requirements of modern commercial vehicles equipped with after-treatment system (EGR or/and ECR).

Based on premium quality synthetic base oils, GRANIT SYN SHPD is specifically tailored to meet the increased anti-oxidation requirements of Mercedes-Benz's sheet 228.3. It fights superbly corrosion and soot-induced wear, the primary concern for Euro IV 'clean technology' engines, due to the increasing use of biodiesel in the fuel.

	Fuel economy	<input type="checkbox"/>
	Wear protection	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Turbocharger protection	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Try to remember

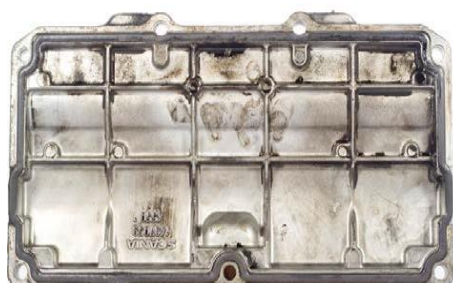


- ✓ Fully synthetic HD engine oil ; SAE 15W40
- ✓ TriboACT® Formula inside.
- ✓ Reduced Oil consumption in the OM501 LA & Mack T-12 engine tests as low deposits formation allow the engine to retain its power.
- ✓ Base number retention over time in related field testing and complete protection against biodiesel's 'effects', shown to contribute to engine durability.

OM 501LA test: Deposits evaluation



Industry standard engine oil



GRANIT SYN SHPD 15W-40

OEM	Approved
API	CI-4, SL
ACEA	E7, E5, B4, A3
Daimler	MB-Approval 228.3
Volvo	VDS-3
Renault Trucks	RLD-2
Mack	EO-M Plus EO-N
MAN	M3275-1
MTU	Cat. 2
Deutz	DQC III-10
Cummins	CES 20076, CES 20077, CES 20078
Caterpillar	ECF-2, ECF-1a
Allison	C-4
Global	DHD-1
DAF	SHPD

LPC's "tribological-action" empowering formula was developed to address the latest industry challenges and exceed the continuously evolving lubrication requirements of engine manufacturers.

What is it?

TriboACT® is an additive system that is based on the extra strong chemical interaction of various polarity ingredients included within.

What does it do?

The robust and synergistic ACTION of TriboACT® boosts the lubricant's critical tribological characteristics:

- **Oil film consistency in the valve train.**
- **Wear control in the piston and rings area, clean-ability in the turbocharger region.**
- **Fuel economy.**

The driving force behind TriboACT® is LPC's 35 years of accumulated know-how and substantial investments in formulating, testing and blending innovative and technologically superior lubricant products.

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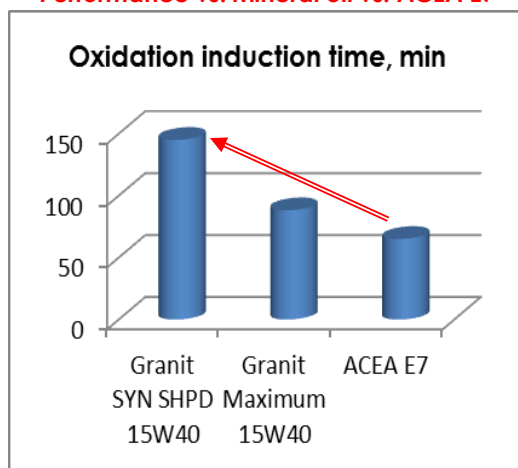
www.cyclon-lpc.com

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APPLICATION GUIDE


Cyclon GRANIT SYN SHPD SAE 15W-40 boosts Mercedes Benz approval 228.3 amongst its list of credentials, demonstrating its ability to perform in some of the most advanced commercial vehicles on the road. It is also approved against MAN 3275-1 and VOLVO VDS-3.

It is suitable for all types of both on-road & off-road heavy duty diesel engines that require performance levels as defined by ACEA E7 and API CI-4 specs, providing exceptional performance where exhaust after-treatment devices (excl. DPF) are in place.

CRANIT SYN SHPD Pressure Differential Scanning Calorimetry (PDSC) Oxidation Performance vs. Mineral oil vs. ACEA E7


It is suitable for a wide range of high-power, turbocharged, Euro III to Euro V generation, low-emission engines used in highway truck, bus and coach applications as well as for leading off-highway agricultural and construction equipment equipped with European, US and Asian engines, such as Caterpillar, Cummins, Deutz and MTU.

SUPERIOR CLEANLINESS PERFORMANCE

Piston cleanliness is a good indicator of a lubricant's performance.

GRANIT SYN SHPD SAE 15W40 demonstrates excellent results in the most demanding MB 501 LA Test.

