



GRANIT

SYN SHPD PLUS



DESCRIPTION

GRANIT SYN SHPD PLUS SAE 10W-40 is a high quality, super high performance diesel engine oil, approved by major global vehicle manufacturers for use in their latest Euro III+ to Euro V engines. Engineered with "TriboACT® Formula" proprietary technology, GRANIT SYN SHPD PLUS SAE 10W-40 is the reliable backbone of many vehicle fleets, boasting ACEA E7-12 and CI-4 performance approvals, providing wear protection and engine performance as standard and safeguarding the turbocharger's optimal operation by minimizing deposits formation.

APPLICATIONS

GRANIT SYN SHPD PLUS SAE 10W-40 utilizes the latest technology to deliver exceptional performance for both on- & off-highway heavy duty applications, as well as for light commercial vehicles and vans. GRANIT SYN SHPD SAE 15W-40 carries a wide range of OEM approvals, making this an ideal lubricant for mixed fleet operators.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
TriboACT® Formula engineered.	High levels of wear protection; superior turbocharger shaft lubrication and protection.
Superior engine cleanliness.	Maintaining clean oil galleries and ensuring the oil can flow freely to key areas of the engine.
Enhanced TBN/cleanliness protection.	Full biofuel compatibility; outstanding resistance to corrosion; protection against piston ring sticking.
Low volatility properties.	Reduced oil consumption; increased viscosity retention.

PHYSICAL-CHEMICAL CHARACTERISTICS

GRANIT SYN SHPD PLUS	METHOD	SAE 10W-40
Density at 15°C, g/cm ³	ASTM D1298	0.866
Dynamic Viscosity, cP	ASTM D5293	-25°C/6500
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.5
Viscosity, Kinematic (cSt) 40°C	ASTM D445	97.7
Viscosity index	ASTM D2270	157
TBN, mgKOH/g	ASTM D2896	10,4
Flash point, COC, °C	ASTM D92	226
Pour point, °C	ASTM D97	-33

The above mentioned characteristics represent mean values.

SPECIFICATIONS

ACEA E7, E5, E3, B3, B4, A3; API CI-4, CH-4, CG-4, SL; MB 228.3, MB 229.1; Global DHD-1; MAN M3275-1; MTU Cat. 2; Volvo VDS-3; Renault Trucks RLD-2; Mack EO-M Plus, EO-N; Cummins CES 20076, 20077, 20078; DAF SHPD; Caterpillar ECF-2, ECF-1a; ZF TE-ML 07C; Deutz QOC III-10; Detroit Diesel DDC 93K215
Level: Allison C4

APPROVALS

API CI-4, SL; MB-Approval 228.3, MB-Approval 229.1; MAN M3275-1; Volvo VDS-3; Renault Trucks RLD-2; Mack EO-N