



GRANIT

SYN HPD



DESCRIPTION

GRANIT SYN HPD SAE 20W-50 is a premium quality, synthetic, super high performance diesel engine oil, intended for use in Euro III to Euro V engines with after-treatment systems (excl. DPF). Engineered with a high quality additive package and synthetic base oils, GRANIT SYN HPD SAE 20W-50 is the reliable backbone of many vehicle fleets, boasting ACEA E7-12 and API CH-4 and CI-4 performance levels, providing wear protection and safeguarding the turbocharger's optimal operation by minimizing deposits formation.

APPLICATIONS

GRANIT SYN HPD SAE 20W-50 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 requiring API SL-level oil. GRANIT SYN HPD SAE 20W-50 surpasses the strictest specifications of international organizations and OEMs, such as API, ACEA and Daimler.

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Enhanced, high performance additive technology.	High levels of wear protection; enhanced turbocharger lubrication, protection; excellent deposits control.
Superior engine cleanliness.	Maintaining clean oil galleries and ensuring the oil can flow freely to key areas of the engine.
Enhanced TBN retention.	Full biofuel compatibility; outstanding resistance to corrosion; protection against piston ring sticking.
Low volatility properties.	Increased viscosity retention.

PHYSICAL-CHEMICAL CHARACTERISTICS

GRANIT SYN HPD	METHOD	SAE 20W-50
Density at 15°C, g/cm ³	ASTM D1298	0,885
Dynamic Viscosity, °C /cP	ASTM D5293	-15/6500
Viscosity, Kinematic (cSt) 100°C	ASTM D445	19,8
Viscosity, Kinematic (cSt) 40°C	ASTM D445	178,6
Viscosity index	ASTM D2270	128
TBN, mgKOH/g	ASTM D2896	10,7
Flash point, COC, °C	ASTM D92	240
Pour point, °C	ASTM D97	-27

The above mentioned characteristics represent mean values.

SPECIFICATIONS

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