



# GRANIT

## SYN EURO ULTRA



### DESCRIPTION

GRANIT SYN EURO ULTRA SAE 5W-30 is a fully synthetic, fuel economy (FE of 1.3%, in average), lowSAPS, ultra high-performance oil for the latest emission standards engine units, developed to surpass the performance requirements of ACEA E11, E8 and E7 specifications. Engineered with TriboACT® Formula, it provides the highest levels of protection for the engine by retaining its viscometrics at high load operating conditions, protects the turbocharger against deposits formation, while at the same time being fully compatible with exhaust after-treatment devices. GRANIT SYN EURO ULTRA SAE 5W-30 has been designed to protect and complement engine components to provide confidence and reassurance to mixed fleet operators, while at the same time providing for fuel economy benefits, due to its TriboACT®-enhanced low viscosity formulation and long-drain capabilities.

### APPLICATIONS

GRANIT SYN EURO ULTRA SAE 5W-30 is suitable for all types of Euro V, VI diesel engine units, both on-road and off-road, heavy-duty ones that require performance levels as defined by API CK-4, ACEA E11, E8 and E7, providing exceptional performance where diesel particulate filters (DPF) are in place along with other exhaust after-treatment devices such as EGR and SCR.

### CHARACTERISTICS - BENEFITS

CHARACTERISTICS	BENEFITS
TriboACT® Formula engineered.	Excellent wear protection; elevated turbocharger protection; fuel economy benefits & sufficient viscosity retention at actual operating conditions.
Fully synthetic formulation.	Reduced oil consumption; wide range of temperature applications.
Excellent thermal stability.	Delivering full engine protection even at temperatures as low as -40°C.
Exhaust after-treatment compatibility.	Low sulphated ash, phosphorus and sulphur technology, preventing damage of exhaust after-treatment systems.

### PHYSICAL- CHEMICAL CHARACTERISTICS

GRANIT SYN EURO ULTRA	METHOD	SAE 5W-30
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0.849
Dynamic viscosity, cP	ASTM D5293	-30°C/5,350
Viscosity, Kinematic (cSt) 100°C	ASTM D445	11.8
Viscosity, Kinematic (cSt) 40°C	ASTM D445	70
Viscosity index	ASTM D2270	165
TBN, mgKOH/g	ASTM D2896	10.4
Flash point, COC, °C	ASTM D92	226
Pour point, °C	ASTM D97	-40
HTHS Viscosity @150°C, cp	ASTM D4683	3.51

The above mentioned characteristics represent mean values.

### SPECIFICATIONS

ACEA E11, E8, E7, API CK-4/SN, CJ-4/SN; Volvo VDS-4.5, VDS-3, DTFR 15C100/110/120 (ex. MB 228.31/51/52); MTU Type 3.1, MAN M3775, M3677, M3271-1; Cummins CES 20086, Renault Trucks RLD-3, RLD-2, RXD, RGD; Mack EOS-4.5, EO-O PP, EO-N PP, EO-N, EO-M Plus; DDC 93K222, Caterpillar ECF-3, DAF PSQL 2. 1E-LD, JASO DH-2  
Suitable for use: Ford WSS-M2C13-A, IVECO 18 804 TLS E9

### APPROVALS

API CJ-4, CK-4, SN; MAN M3677; Volvo VDS-4.5; Renault Trucks RLD-3; Mack EOS-4.5; Caterpillar ECF-3; SCANIA: Low Ash, LDF-4