



# GRANIT PRIME



## DESCRIPTION

GRANIT PRIME are high performance monograde lubricants formulated with special additives and highly refined base oils to offer protection against sludge and deposits formation, while they retain their alkalinity reserves even with fuel containing high sulphur levels. The GRANIT PRIME series provides excellent performance in both diesel and gasoline 4-stroke engines.

## APPLICATIONS

GRANIT PRIME oils are recommended for turbocharged or naturally-aspirated engines operating with high sulphur diesel fuel. Suitable for on-/off-highway applications, they are also ideal for static engines used for power generation in marine applications. The grades SAE 30 & 40 are suitable for 2-stroke diesel engines require API CF-2. They are also suitable for mobile air compressors where an oil with detergency properties is required. The series is widely used in heavy duty transmission applications and hydraulic systems where Caterpillar TO-2 and Allison C-4 specifications are recommended.

## CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Outstanding oxidation resistance.	Excellent performance at all operating temperatures.
Very good lubricant dispersancy.	Protection against engine sludge and varnish formation. Improved engine cleanliness.
Viscosity retention in high temperature, high speed operation.	Smooth operation of engine under harsh operating conditions.
Excellent rust and corrosion resistance.	Engine life maximization.
High alkalinity (TBN).	Superior protection against corrosive by-products produced by fuel burning.

## PHYSICAL-CHEMICAL CHARACTERISTICS

GRANIT PRIME	METHOD	SAE 10W	SAE 20W	SAE 30	SAE 40	SAE 50
Density at 15°C, g/cm <sup>3</sup>	ASTM D1298	0,8530	0,8750	0,8850	0,8870	0,8940
Dynamic viscosity, °C/cp	ASTM D5293	-25/6500	-15/5000	-	-	-
Viscosity, Kinematic (cSt) 100°C	ASTM D445	6,2	8,5	12,1	14,5	19,5
Viscosity, Kinematic (cSt) 40°C	ASTM D445	38	63	109	144	231
Viscosity index	ASTM D2270	110	106	100	99	96
TBN, mgKOH/g	ASTM D2896	8.2	8.2	8.2	8.2	8.2
Flash point, COC, °C	ASTM D92	210	218	237	246	260
Pour point, °C	ASTM D97	-30	-27	-24	-21	-18

The abovementioned characteristics represent mean values.

## SPECIFICATIONS

API CF, CF-2, SJ; ACEA E2; MAN 270; MB 228.0; Allison C-4; MTU Cat. 1; Caterpillar TO-2

## APPROVALS

SAE 40: MB- Approval 228.0