

Eni i-Sigma monograde



Eni i-Sigma monograde is a lubricant series for diesel engines operating under very severe duty or which are subject to deposit formation or excessive wear due to design characteristics or to the fuel employed.

These lubricants are formulated from a top quality base stock of high Viscosity Index (in their category) and low pour point treated with a large percentage of additives to impart superior detergency together with high dispersant, antioxidant, anticorrosion, antiwear and antifoam properties.

The SAE 10W-20 grade covers the low-temperature viscosity of the SAE 10W winter oil and the high-temperature viscosity of the SAE 20 summer oil.

SAE 10W-20 is also suitable for use in the hydraulic systems of tractors, loaders, bulldozers, etc., requiring this type of oil.

Characteristics (typical figures):

Eni i-Sigma monograde	Unit	SAE 10W-20	SAE 30	SAE 40	SAE 50
Density at 15°C	kg/m ³	877	890	895	900
Viscosity at 100°C	mm ² /s	8,1	10,9	14.4	19.1
Viscosity at -25°C	mPa.s	5160	-	-	-
Viscosity Index	-	135	105	105	105
Flash Point COC	°C	210	225	230	240
Pour Point	°C	-27	-21	-18	-15

Properties and Performance:

Eni i-Sigma monograde series has excellent detergency, making it particularly suitable for use in supercharged engines. It also has high dispersant properties. The lubricant is thus very resistant to the formation of lacquer and varnish, as well as sludge and other engine deposits. It helps prevent ring sticking and keeps pistons clean, while maintaining potential deposits in suspension.

It has marked resistance to deterioration, especially that caused by oxidation due to prolonged high-temperature operation in the presence of air and other agents.

It has particularly good anticorrosion properties which effectively protect the engine from corrosion by combustion moisture and acids.

Its antiwear properties ensure long life of moving parts and greatly reduce the need for engine servicing and overhauls.

Specifications:

Eni i-Sigma monograde meets the requirements of the following specifications:

API CF/SJ

US Department of the Army MIL-L-2104 D

US Department of the Army MIL-L-46152 C

Allison C-3 (only SAE 10W-20 and SAE 30)