



AGIP DIESEL SIGMA S

AGIP DIESEL SIGMA S is a lubricant series for high output normally-aspirated and supercharged 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.

It is formulated from a top quality base stock of high Viscosity Index 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 is also suitable for use in the hydraulic systems of tractors, loaders, bulldozers, etc., requiring this type of oil (e.g. Caterpillar Tractor Co).

CHARACTERISTICS (TYPICAL FIGURES)

AGIP DIESEL SIGMA S

SAE Grade		10W-20	30	40	50
Viscosity at 100°C	mm ² /s	6,8	11,8	15,7	21,3
Viscosity at 40°C	mm ² /s	42	105	160	250
Viscosity at -25°C	mPa.s	6700	-	-	-
Viscosity Index	-	118	100	100	100
Flash Point COC	°C	225	235	250	258
Pour Point	°C	-30	-21	-18	-15
Mass Density at 15°C	kg/l	0,869	0,890	0,895	0,899

PROPERTIES AND PERFORMANCE

- **AGIP DIESEL SIGMA S** 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.
- Its antifoam properties prevent the formation of air bubbles which could adversely affect lubricant film continuity.
- Notwithstanding its high additive content **AGIP DIESEL SIGMA S** has a low ash residue figure.

SPECIFICATIONS

AGIP DIESEL SIGMA S meets the requirements of the following specifications:

- API Service CF/SJ
- US Department of the Army MIL-L-2104D
- US Department of the Army MIL-L-46152C
- Caterpillar TO-2
- Detroit Diesel Allison Type C-3 (SAE 10W-20 and 30)