

Agip Diesel Sigma S

API SF/CD

High-performance engine oil for highly loaded diesel engines, with and without charging.

Characteristics (typical figures):

Agip DIESEL SIGMA S	Unit	10W-20	30	40	50	Test method
Kin. Viscosity at 40°C	mm ² /s	42	105	160	250	DIN 51 550
Kin. Viscosity at 100°C	mm ² /s	6,8	11,9	15,7	21,3	ASTM D 445
Viscosity index		118	100	100	100	DIN ISO 2909
Density at 15°C	kg/m ³	885	895	900	905	ASTM D 1298
Flashpoint o. C.	°C	225	225	230	240	ASTM D 92
Pourpoint	°C	-27	-18	-15	-12	ASTM D 97
Sulphate ash	g/100g	1,04	1	1	1	DIN 51 575
Base number	mgKOH/g	7,8	7,7	7,7	7,7	DIN ISO 3771

Properties and Performance:

Agip DIESEL SIGMA S is a single grade oil based on high-quality ageing resistant base oils that have a high natural viscosity index. The used additives ensure clean pistons and ring grooves and prevent coking and pigmenting also under severe operational conditions, e. g. turbo charging and construction-site service. Simultaneously an optimum wear and corrosion protection is ensured, even when using diesel fuel with higher sulphur content than legally prescribed in domestic country.

Agip DIESEL SIGMA S oils are compatible with all ring and flat sealings commonly used in the engine construction. The miscibility with other brand oils that meet the national and international standards and specifications is ensured.

Applications:

Agip DIESEL SIGMA S oils are applied as engine oils for naturally aspirated and charged passenger car and commercial diesel engines including building machinery when using distillate petrol.

Agip Diesel Sigma S 10W-20 is an oil with a special viscosity grade. It has the low temperature properties of a SAE 10W and the high temperature properties of a SAE 20 and therefore can be used as SAE 10W, as well as SAE 20W-20 and thus lead up to a rationalisation at the oil storage. **Agip DIESEL SIGMA S** is also recommended as hydraulic oil by Allis Chalmers and Liebherr, at Caterpillar it is only applicable as hydraulic oil in older types.

Agip DIESEL SIGMA S 30 is prescribed and approved for ZF Eco-Split-transmissions with Intarder according to ZF-List TE-ML 02.

Agip DIESEL SIGMA S 40 is used for the lubrication of **Detroit Diesel** two-stroke engines.

Please observe the manufacturer's specifications when selecting products!

Specifications

Agip Diesel Sigma S meets or exceeds the requirements of the following specifications.

specificatie
API SF/CD
Detroit Diesel ALLISON C3 (SAE10W-20 / 30)
CATERPILLAR - TO-2
ZF TE-ML 02C (Level SAE 30)
ZF TE-ML 06A (Level SAE 10W-20)

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