



GERMAN ADLER GMBH

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## PRODUCT INFORMATION **GERMAN ADLER SYNT SAE 5W-20**

### Description

GERMAN ADLER SYNT SAE 5W-20 has been specially developed for the most modern generation of downsizing engines. The special combination of base oils and additives helps to significantly reduce the so-called LSPI (low speed pre-ignition).

With the LSPI, the gasoline-air mixture ignites spontaneously in the combustion chamber before the ignition spark occurs. This can lead to engine knocking and serious engine damage. Pollution inside the engine plays a role as well as poor fuel quality.

Due to the LSPI problem, this combination of base oil and additives has been developed and is prescribed by Opel and General Motors for certain models.

GERMAN ADLER SYNT SAE 5W-20 is the suitable engine oil and meets the new and tightened General Motors Specification Dexos 1 Generation 3.

### Application

In compliance to EEC regulations the quality of GERMAN ADLER SYNT SAE 5W-20 is equivalent according to the following standards / specifications:

- API SQ
- Chrysler MS-6395
- Daihatsu
- Ford WSS-M2C945-A
- Ford WSS-M2C945-B1
- Ford WSS-M2C930-A
- Ford WSS-M2C960-A
- GM dexos1 Gen 3
- GM 6094-M
- Honda
- Hyundai
- ILSAC GF-7A
- Isuzu
- Kia
- Lexus
- Mazda
- Nissan
- Subaru
- Suzuki
- Toyota

The product has been developed exclusively for gasoline, not suitable for diesel engines.

### Typical characteristics:

	Unit	Value	Method
<b>Density at 15°C</b>	kg/m <sup>3</sup>	852	DIN 51 757
<b>Viscosity at 40°C</b>	mm <sup>2</sup> /s	47,5	DIN 51 562
<b>Viscosity at 100°C</b>	mm <sup>2</sup> /s	8,5	DIN 51 562
<b>Viscosity index</b>		157	DIN ISO 2909
<b>Dynamic viscosity at -30°C</b>	mPa.s	4750	ASTM D5293
<b>Pour point</b>	°C	-45	DIN ISO 3016
<b>Flash point</b>	°C	230	DIN ISO 2592
<b>TBN</b>	mg KOH/g	8,1	DIN ISO 3771

The above data are true and correct to the best of our knowledge and belief and reflect the current state of knowledge and our development effort. All rights to changes reserved! The characteristic data indicated are subject to the repeatability and reproducibility of the given test methods.