



## PRODUCT INFORMATION **GERMAN ADLER SYNT SAE 5W-30 C1**

Extreme fuel-economy high performance motor oil specially developed for vehicles equipped with exhaust after treatment devices, diesel particulate filters (DPF) and turbo chargers.

### Description

GERMAN ADLER SYNT SAE 5W-30 C1 is an engine oil, specially developed for modern gasoline and diesel engines. It's made from selected HC synthesis base oils and additives of low ash, low phosphorus and low sulphur (low SAPS), was developed in particular for engines with diesel particulate filter and reduced HTHS (High Temperatur High Shear)-viscosity.

### Application

Due to its very low ash, low phosphorus and low sulphur content GERMAN ADLER SYNT SAE 5W-30 C1 prevents the DPF from blocking. At the same time it offers improved fuel economy potential by low friction characteristics and reduced HTHS-viscosity. In compliance with manufacturers filling instructions it's recommended for use in gasoline and diesel engines independently if naturally aspirated or turbo-charged, if DPF equipped or not.

In compliance to EEC regulations the quality of GERMAN ADLER SYNT SAE 5W-30 C1 is equivalent according to the following standards / specifications:

- ACEA C1
- Jaguar Land Rover STJLR.03.5005
- JASO DL-1
- Mazda DPF
- Mitsubishi DPF

GERMAN ADLER SYNT SAE 5W-30 C1 is a low-viscous "low SAPS-oil", and thus it might be not suitable for some engines. Please regard the constructor's manuals.

### Advantages/Benefits

- lowest levels of sulphated ash, phosphorous and sulphur protect and extend the service time of all exhaust treatment systems
- very good cold start behaviour and lubrication of the engine
- reliably prevents from resin formation, varnishing and ring sticking of cylinders, pistons, valves and turbo chargers
- real all-season use due to outstanding viscosity temperature behaviour and high shear stability
- stable lubricating film even under very hot oil temperatures and/or very high stress
- low oil consumption due to minimum evaporative loss
- miscible and compatible with conventional, also as synthetic branded engine oils. To make use of the full performance benefit of GERMAN ADLER SYNT SAE 5W-30 C1 a complete oil change is recommended

### Typical characteristics:

	Unit	Value	Method
Density at 15°C	kg/m <sup>3</sup>	848	DIN 51 757
Viscosity at 40°C	mm <sup>2</sup> /s	51,4	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	9,4	DIN 51 562
Viscosity index		169	DIN ISO 2909
Dynamic viscosity at -30°C	mPa.s	4260	DIN 51 377
HTHS at 150	mPa.s	3,03	ASTM D4683
Pour point	°C	-39	DIN ISO 3016
Flash point	°C	224	DIN ISO 2592
TBN	mg KOH/g	7,4	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.