



PRODUCT INFORMATION **GERMAN ADLER SYNT SAE 5W-40 L**

GERMAN ADLER SYNT SAE 5W-40 L is a low friction oil to be used in passenger cars gasoline and diesel engines. It is produced by blending high quality hydrocrack-components (HC) from the synthesis technology and highly-developed additives. Suitable also under severe operating conditions in modern passenger car engines, turbo- or non-turbo charged.

Description

GERMAN ADLER SYNT SAE 5W-40 L by its optimized formulation provides lowered fuel- and oil consumption. Because of its outstanding viscosity-/temperature behavior it provides a multi grade characteristic, which allows the all seasons use in areas of strong daily or seasonal thermal fluctuations. The dispersing power, expressed by the performance level of this product, prevents deposits and pluggings in the oil circuit and thus keeps the engine clean. Modern oxidation inhibitors extend the service life of the oil and the optimal wear protection cares for long engine life.

Application

GERMAN ADLER SYNT SAE 5W-40 L has been specially designed to stand the needs of today's gasoline and diesel vehicles. It's specially recommended for use in gasoline and diesel engines independently for turbo- or non-turbo charged.

In compliance to EEC regulations the quality of GERMAN ADLER SYNT SAE 5W-40 L equivalent according to the following standards / specifications:

- ACEA A3/B4
- API SP

Advantages/Benefits

- great rationalism product with multi functional applications in gasoline and diesel engines of several manufacturers
- excellently suited for turbo-charged engines
- 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 behavior and high shear stability
- very good cold start behavior and lubrication of the engine
- stable lubricating film even under very hot oil temperatures and/or very high stress
- oxidation protection through selected HC synthesis oil components and special additive technology
- reliable protection against black-sludge
- proper function of hydraulic tappets
- 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-40 L a complete oil change is recommended

Typical characteristics:

	Unit	Value	Method
Density at 15°C	kg/m ³	855	DIN 51 757
Viscosity at 40°C	mm ² /s	83,1	DIN 51 562
Viscosity at 100°C	mm ² /s	13,8	DIN 51 562
Viscosity index		171	DIN ISO 2909
CCS at -30°C	mPa.s	5950	DIN 51 377
HTHS-Viscosity at 150°C	mPa.s	min. 3.5	ASTM D5481
Pour point	°C	-42	DIN ISO 3016
Flash point	°C	222	DIN ISO 2592
TBN	mg KOH/g	10,7	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.