



GERMAN ADLER GMBH

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## PRODUCT INFORMATION **GERMAN ADLER SYNT SAE 10W-40 HC**

Fuel-Economy engine oil of SAE 10W-40 viscosity grade based on HC-synthesis. Excellently suited for both gasoline and diesel engines naturally aspirated or turbocharged.

### Description

GERMAN ADLER SYNT SAE 10W-40 HC is a high performance engine oil made from HC-synthesis base oils. The unique composition of selected base oils with a modern additive package provides its outstanding performance level.

### Application

GERMAN ADLER SYNT SAE 10W-40 HC is specially recommended for the use in gasoline and diesel engines independently if naturally aspirated or turbocharged. It's intended for use in vehicles without extended drain intervals. The modern conception of GERMAN ADLER SYNT SAE 10W-40 HC offers a broad range of applications under a wide variety of conditions.

In compliance to EEC regulations the quality of GERMAN ADLER SYNT SAE 10W-40 HC is equivalent according to the following standards / specifications:

- ACEA A3/B4
- API SP
- Fiat 9.55535-G2/D2
- MB 229.1/229.3
- PSA B71 2296
- Renault RN 0700
- VW 501 01/505 00

### Advantages/Benefits

- excellently suited for turbocharged 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
- stable lubricating film even under very hot oil temperatures and/or very high stress
- very low oil consumption
- oxidation protection through selected HC synthesis oil components and special additive technology
- reliable protection against black-sludge
- proper function of hydraulic tappets
- miscible and compatible with conventional, also as synthetic branded engine oils. To make use of the full performance benefit of GERMAN ADLER SYNT SAE 10W-40 HC a complete oil change is recommended

### Typical characteristics:

	Unit	Value	Method
<b>Density at 15°C</b>	kg/m <sup>3</sup>	858	DIN 51 757
<b>Viscosity at 40°C</b>	mm <sup>2</sup> /s	93,3	DIN 51 562
<b>Viscosity at 100°C</b>	mm <sup>2</sup> /s	14,6	DIN 51 562
<b>Viscosity index</b>		163	DIN ISO 2909
<b>Dynamic viscosity at -25°C</b>	mPa.s	4510	DIN 51 377
<b>HTSH viscosity at 150°C</b>	mPa.s	min. 3,5	ASTM D5481
<b>Pour point</b>	°C	-42	DIN ISO 3016
<b>Flash point</b>	°C	232	DIN ISO 2592
<b>TBN</b>	mg KOH/g	10,3	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.