



GERMAN ADLER GMBH

Kennedyallee 93  
60596 Frankfurt am Main  
Phone: +49 69 697 692 10  
Fax: +49 69 697 962 15  
info@German-Adler.com  
www.German-Adler.com

## PRODUCT INFORMATION **GERMAN ADLER SYNT SAE 5W-40 F**

Fully-synthetic high-performance engine oil with excellent temperature-/viscosity behavior. Specially developed for high performance gasoline and diesel engines naturally aspirated or turbocharged.

### Description

GERMAN ADLER SYNT SAE 5W-40 F is high performance engine oil with optimized viscosity grade, made from fully synthetic base oils with the modern additive package provides its outstanding performance level.

### Application

GERMAN ADLER SYNT SAE 5W-40 F provides superior cold start behavior even under very cold climate conditions. At the same time it offers full film strength for high wear protection even under continuous stress and hot oil temperatures. GERMAN ADLER SYNT SAE 5W-40 F has been specially designed to stand the needs of today's gasoline and diesel engines.

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

- ACEA A3/B4
- API SP/CF
- BMW Longlife-01
- BMW Longlife-98
- Fiat 9.55535 M2
- Lamborghini
- Maserati
- MB 229.3/229.5
- MB 226.5
- Opel GM-LL-B-025
- Porsche A 40
- PSA B71 2296
- Renault RN 0700/0710
- VW 502 00/505 00

### Advantages/Benefits

- fuel-economy characteristics
- excellent cold start behavior even under extreme low temperature conditions
- 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 high oxidation resistance due fully synthetic base oils in combination with extraordinary additive technology
- reliably prevents from resin formation, varnishing and ring sticking of cylinders, pistons, valves and turbo chargers
- great rationalism product with multi-functional applications in diesel and gasoline engines of several manufacturers
- reliable protection against black-sludge
- 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 F a complete oil change is recommended

### Typical characteristics:

	Unit	Value	Method
<b>Density at 15°C</b>	kg/m <sup>3</sup>	853	DIN 51 757
<b>Viscosity at 100°C</b>	mm <sup>2</sup> /s	14,3	DIN 51 562
<b>Viscosity index</b>		173	DIN ISO 2909
<b>Dynamic viscosity at -30°C</b>	mPa.s	6260	DIN 51 377
<b>Pour point</b>	°C	-39	DIN ISO 3016
<b>Flash point</b>	°C	226	DIN ISO 2592
<b>TBN</b>	mg KOH/g	10,6	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.