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PRODUCT INFORMATION **GERMAN ADLER SYNT SAE 5W-50**

Multifunctional high performance engine oil specially developed for modern passenger cars. Excellently suited for both gasoline and diesel engines naturally aspirated or turbo-charged.

Description

GERMAN ADLER SYNT SAE 5W-50 is made from HC synthetic base oils and specially designed additives, providing a wide range of applications. The unique composition of selected base oils with a modern additive package provides its outstanding performance level.

Application

GERMAN ADLER SYNT SAE 5W-50 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 if naturally aspirated or turbo-charged. GERMAN ADLER SYNT SAE 5W-50 intended for use in vehicles without extended drain intervals. Its modern conception offers a broad range of applications under a wide variety of conditions.

In compliance to EEC regulations the quality of GERMAN ADLER SYNT SAE 5W-50 equivalent according to the following standards / specifications / recommendations:

- ACEA A3-/B4
- API SN/CF
- BMW Longlife-98
- MB 229.3
- Opel GM-LL-B-025
- Porsche A40
- PSA B71 2296
- Renault RN 0710/0700
- VW 502 00/505 00

Advantages/Benefits

- Great rationalism product with multi functional applications in diesel and gasoline 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 behaviour and high shear stability
- very good cold start behaviour 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-50 a complete oil change is recommended

Typical characteristics:

	Unit	Value	Method
Density at 15°C	kg/m ³	851	DIN 51 757
Viscosity at 100°C	mm ² /s	17,6	DIN 51 562
Viscosity index		183	DIN ISO 2909
Dynamic viscosity at -30°C	mPa.s	6310	DIN 51 377
Pour point	°C	-42	DIN ISO 3016
Flash point	°C	230	DIN ISO 2592
TBN	mg KOH/g	10,4	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.