



GERMAN ADLER GMBH

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

GERMAN ADLER TX SYNT SAE 10W-40 is based on HC-synthesis. The unique composition of selected base oil with a modern additive package provides its outstanding wide application range.

### Description

GERMAN ADLER TX SYNT SAE 10W-40 is an engine oil made from the latest additive technology in combination with HC-synthesis base oils. The combination of additives makes it suitable for most kinds of gasoline and diesel engines in commercial cars.

### Application

GERMAN ADLER TX SYNT SAE 10W-40 HC specially recommended for use in gasoline and diesel engines independently for naturally aspirated or turbo-charged. It's intended to use in accordance to manufacturers filling instructions in engines of several manufacturers. Its modern design provides a broad range of application and ensures reliable operation even under many conditions.

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

- ACEA E7
- API CI-4/CF/SL
- Caterpillar ECF-1a/ECF-2
- Cummins CES 20077
- Cummins CES 20078
- Deutz DQC III-18
- DDC 93K215
- Global DHD-1
- Jaso DH-1
- Mack EO-M Plus/EO-N
- MAN M 3275
- MB 228.3
- MTU Type 2
- Renault RLD/RLD2
- Volvo VDS-3

### Advantages/Benefits

- Great rationalism product with multi-functional applications in diesel and gasoline engines of several manufactures
- Suited for naturally aspirated and turbo-charged engines
- Great protection from problems connected with resin formation, varnishing and ring sticking of cylinders, pistons, and valves
- Excellent viscosity-temperature behavior and high shear stability support all season use
- Lubricating film remains stable under extreme conditions including high temperature and stress
- Very low oil consumption
- Oxidation prevention due to selected component synthesis of components and the modern additive technology
- Security against black sludge
- Mixable with conventional and synthetic branded engine oils. A complete oil change is recommended to benefit from all advantages of GERMAN ADLER TX SYNT SAE 10W-40

### Typical characteristics:

	Unit	Value	Method
Density at 15°C	kg/m <sup>3</sup>	860	DIN 51 757
Viscosity at 40°C	mm <sup>2</sup> /s	99,6	DIN 51 562
Viscosity at 100°C	mm <sup>2</sup> /s	14,6	DIN 51 562
Viscosity index		152	DIN ISO 2909
Dynamic viscosity at -25°C	mPa.s	5980	DIN 51 377
Pour point	°C	-39	DIN ISO 3016
Flash point	°C	234	DIN ISO 2592
TBN	mg KOH/g	11,3	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.