

# Product Information

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## TITAN GT1 LONGLIFE IV SAE 0W-20

**Premium Performance engine oil in a novel viscosity grade. Specifically designed for modern VW vehicles, for excellent fuel-economy characteristics and reduced CO<sub>2</sub> emissions. Excellent cold starting behaviour, very fast oil circulation, and outstanding performance reserves.**

### Description

TITAN GT1 LONGLIFE IV SAE 0W-20 is an innovative low-viscosity engine oil. The combination of state-of-the-art additive technology with a new base oil matrix provides the highest levels of performance regarding oxidation stability, resistance to oil aeration, wear protection, and shear stability. Significant improvements in fuel economy and CO<sub>2</sub> emissions were achieved by lowering the dynamic viscosity and employing a new additive technology of TITAN GT1 LONGLIFE IV SAE 0W-20. The special composition of TITAN GT1 LONGLIFE IV SAE 0W20 conserves a lot of fuel – more than 4% in the M111 FE Test, also resulting in reduced CO<sub>2</sub> emissions. The extremely high thermal capacity and the optimised carbon bearing capabilities of TITAN GT1 LONGLIFE IV SAE 0W-20 offer enormous benefits for engines subjected to a lot of stress.

### Application

TITAN GT1 LONGLIFE IV SAE 0W-20 was especially developed for the VW specification 508 00/509 00. TITAN GT1 LONGLIFE IV SAE 0W-20 is suitable for petrol and diesel engines. TITAN GT1 LONGLIFE IV SAE 0W-20 should only be used in diesel engines, when also low sulphur diesel fuel is used. TITAN GT1 LONGLIFE IV SAE 0W-20 is not backwards compatible with older VW specifications. Consequently, it may be only used in the approved applications!

TITAN GT1 LONGLIFE IV SAE 0W-20 is miscible and compatible with conventional, branded engine oils. However, mixing with other engine oils should be avoided in order to fully exhaust this product's benefits. A complete oil drain is recommended when converting to TITAN GT1 LONGLIFE IV SAE 0W-20. For information on product safety and proper disposal please refer to the latest Material Safety Data Sheet.

### Advantages

- Especially developed for engines of VW.
- Significant reduction of fuel consumption by 4% compared to the reference oil in the M111 test.
- Outstanding fuel efficiency and thus reduced CO<sub>2</sub> emissions.
- Excellent cold start behaviour and fast oil circulation in the whole engine at low temperatures.
- Can be used for extended drain intervals.
- Superior wear protection under all operating conditions despite its extremely low viscosity.
- Suitable for selected hybrid vehicles subject to OEM requirements.

### Specifications

- ACEA C5
- FORD WSS-M2C956-A1

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## Approvals

- PORSCHE C20
- VW 508 00/509 00

## FUCHS Recommendations

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## TYPICAL CHARACTERISTICS

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Density at 15°C	DIN 51757	0.837 g/ml
SAE Grade	SAE J300	0W-20
Kinematic Viscosity at 40°C	DIN 51562-1	39.9 mm <sup>2</sup> /s
Kinematic Viscosity at 100°C	DIN 51562-1	8 mm <sup>2</sup> /s
Viscosity Index	DIN ISO 2909	177
HTHS	CEC L-36-90	≥ 2,6 & < 2,9 mPa*s
Pour Point	DIN ISO 3016	-54 °C
Sulphated Ash	ASTM D874	≤ 0,8 % m/m
Product Dyeing	DIN 10964	green

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## Notes

The information contained in this product information is based on the experience and know-how of FUCHS LUBRICANTS (UK) plc in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally valid statements about the function of our products are not possible.

Our products must not be used in aircraft or spacecraft. Our products may be used in manufacture of components for aircraft or spacecraft if they are removed without residue from the components prior to assembly into the aircraft or spacecraft.

The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application. We therefore recommend that you consult a FUCHS LUBRICANTS (UK) plc application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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