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Contact



**Faster. Stronger
Better for your engine.**



XTL[®]
TECHNOLOGY

**A groundbreaking
engine oil technology**

FUCHS LUBRICANTS (UK) PLC

New Century Street,
Hanley, Stoke-on-Trent,
ST1 5HU

Phone: +44 (0)1782 203 700

email: contact-uk@fuchs-oil.com

www.fuchslubricants.com

The Titan logo is located in the top right corner of the advertisement. It consists of the word "TITAN" in a bold, italicized, sans-serif font. The letters are white with a red outline, set against a dark background.The background of the advertisement features a highly detailed, golden, metallic-looking figure of a male athlete in a dynamic, forward-leaning pose, as if running or pushing through a thick, shimmering liquid. The liquid has a complex, wavy, and reflective surface, creating a sense of motion and viscosity. The lighting is dramatic, highlighting the contours of the athlete's body and the ripples in the oil.

Advanced engines, greater engine oil stress.

Advanced engine oils for cars, which meet today's demands of engine manufacturers, already offer very high performance levels. But the stresses on engine oils are increasing, for example as a result of downsized, fuel-efficient engine designs. Apart from this the conditions under which engines have to perform reliably are getting more extreme. Furthermore, new and fuel-saving technologies such as start-stop systems make specific demands on the starting characteristics and lubrication reliability of the engine oil. In urban traffic start-stop systems clearly cause more start activities than in conventional start systems. The load on the engine oil increases noticeably over the entire manufacturer's recommended oil change interval. Considering this, it is even more important that the oil circulates rapidly to the places where it is needed.

XTL[®]
TECHNOLOGY



More information:
fuchslubricants.com/titan-xtl

TITAN

Protection and performance over the whole oil change interval.

Good reasons for FUCHS, the leading German automotive factory-fill specialist, to develop a new engine oil technology, which offers additional, long-term performance reserves.

The new FUCHS XTL® base oil technology with its extremely high viscosity index and outstanding ageing stability ensures faster oil circulation and significantly improved long-term performance.

While starting, engine oils with XTL® technology reach faster and easier the parts of an engine, which urgently require a protective oil film – even under extreme conditions and over the entire duration of the oil change interval.

This means: Easier start-ups, less wear and lower fuel consumption. Even oil consumption is significantly lower than with conventional SAE 5W-30 oils.

* Oils with a low viscosity index show stronger temperature - related viscosity change than oils with a high viscosity index.

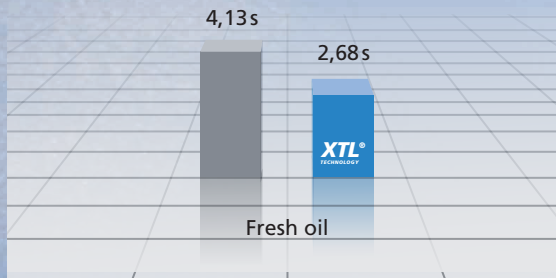


Carefully developed.

The performance of XTL® engine oil technology was also tested under extreme temperature conditions. For testing the unique advantages especially while starting, a complex series of engine tests were performed in a cold chamber at -27 °C to compare conventional engine oils with normal 5W-30 technology and corresponding manufacturers approvals with an engine oil of the same viscosity based on the new XTL® technology.

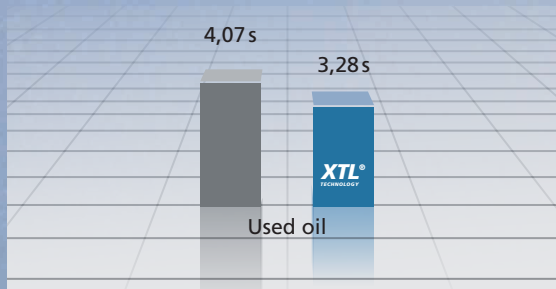
Start-up time at -27 °C fresh oil

Test procedure: roller bench test in cold storage -27 °C, Mercedes Benz C220 CDI.



- TITAN GT1 PRO FLEX SAE 5W-30 engine oil
- TITAN GT1 PRO FLEX SAE 5W-30 engine oil with XTL® technology

Start-up time at -27 °C used oil

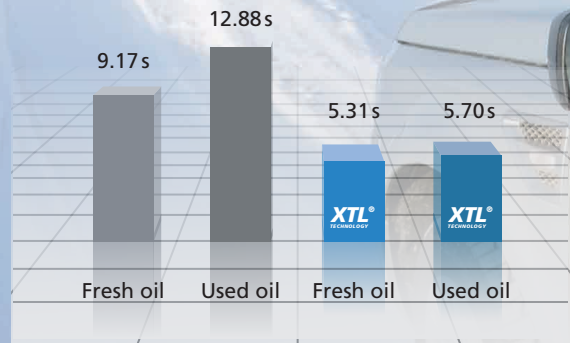


- TITAN GT1 PRO FLEX SAE 5W-30 engine oil
- TITAN GT1 PRO FLEX SAE 5W-30 engine oil with XTL® technology

Extensively tested.

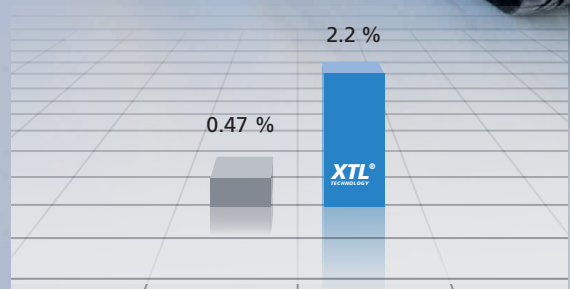
Comprehensive engine tests have shown: The higher performance reserves of XTL® engine oil technology not only offer easier start-ups, less wear and greater reliability, it also cuts fuel consumption. Additional fuel savings of 1.7 % compared to conventional 5W-30 engine oils highlight the exceptional fuel-economy characteristics of this new technology.

Oil circulation time at -27 °C



- TITAN GT1 PRO FLEX SAE 5W-30 engine oil
- TITAN GT1 PRO FLEX SAE 5W-30 engine oil with XTL® technology

Lower fuel consumption compared to an SAE 5W-30 fuel-economy oil. Measured in a Mercedes-Benz C Class 250 CDI

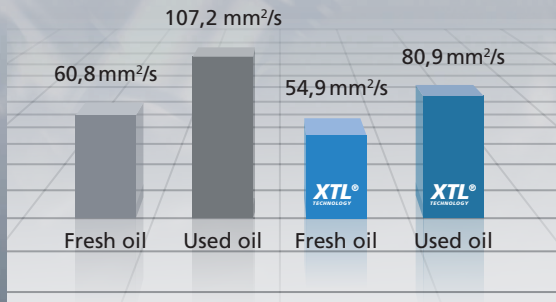


- Conventional, fuel-economy 5W-30 engine oil
- TITAN GT1 PRO FLEX SAE 5W-30 engine oil with XTL® technology

Convincing results.

The engine is protected against start-up wear while reducing fuel consumption because the new XTL® engine oils reach vital engine parts more quickly. Not only when the oil is fresh but also over the entire oil change interval. This is confirmed by tests performed on a GM 3800 V6 motor, which clearly have documented that the increase in viscosity from fresh to used oil turns out to be 38% lower compared to conventional engine oils. This means significantly better protection for a longer period of time.

Viscosity increase after 100 hrs in a 3.8 liter V6 motor (153 KW). XTL® keeps performing. 38 % lower increase in viscosity.



■ Conventional, fuel-economy 5W-30 engine oil
■ SAE 5W-30 engine oil with XTL® technology

Extreme ageing stability.

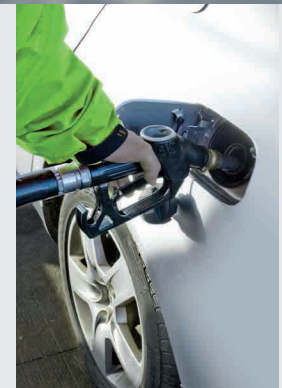
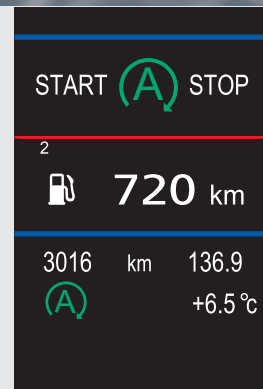
The new FUCHS XTL® engine oil technology with its high performance reserves and excellent ageing stability offers maximum protection, reliability and fuel economy. Over the entire oil change interval. At all times and in every situation.

At a glance:

The advantages and benefits of the new XTL® engine oil technology:

- ▶ Better start-up performance: Up to **55 % faster oil circulation*** and up to **35 % faster start-ups***
- ▶ Lower fuel consumption: Up to **1.7 % additional reduction in fuel consumption***
- ▶ Lower oil consumption: Up to **18 % lower***
- ▶ Improved ageing stability: **38 % lower viscosity increase.** For this reason greater performance and operational reliability over the whole oil change interval.

*Compared to conventional SAE 5W-30 fuel-economy engine oils



TITAN
GT1
SAE 0W-20

Premium motor oil with new XTL® technology in parth-breaking viscosity class and global unique zinc-free additive technology, for high-performance cars with gasoline and diesel engines.

- + maximum fuel saving potential
- + excellent cold start-ups
- + outstanding performance reserves



Specifications*:

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Approvals*:

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FUCHS Recommendations:

ACEA C2
ACEA A5/B5
API SL
ILSAC GF-4

TITAN
GT1 PRO FLEX
SAE 5W-30

Premium motor oil with new XTL® technology. Specially developed for BMW, Mercedes-Benz and Opel vehicles with particulate filter.

- + best characteristics cold start-up
- + lower fuel and oil consumption
- + improved ageing stability
- + outstanding performance reserves for advanced engines with or without extended service intervals



Specifications*:

ACEA C3
API SN/SM

Approvals*:

BMW LONGLIFE-04
dexas2™ (GB2C0209075)
MB-APPROVAL 229.51
VW 502 00/505 00/505 01

FUCHS Recommendations:

ACEA A3/B4
FORD M2C917-A
GM-LL-A-025
GM-LL-B-025

TITAN
GT1 PRO C-3
SAE 5W-30

Premium motor oil with new XTL® technology. Specially developed for VW and Mercedes-Benz vehicles with particulate filter.

- + best cold start-up characteristics
- + lower fuel and oil consumption
- + improved ageing stability
- + outstanding performance reserves for advanced engines with or without extended service intervals



Specifications*:

—

Approvals*:

BMW LONGLIFE-04
MB-APPROVAL 229.51
PORSCHE C30
VW 504 00/507 00

FUCHS Recommendations:

ACEA C3
ACEA A3/B4
FORD M2C917-A

TITAN
GT1
SAE 5W-40

Premium motor oil with new XTL® technology. Specially developed for vehicles with particulate filter.

- + best cold start-up characteristics
- + lower fuel and oil consumption
- + improved ageing stability
- + outstanding performance reserves for advanced engines with or without extended service intervals



Specifications*:

ACEA C3
API SN/SM/CF
FORD M2C917-A

Approvals*:

BMW LONGLIFE-04
MB-APPROVAL 226.5
MB-APPROVAL 229.31
PORSCHE A40
RENAULT RN0700/RN0710
VW 502 00/505 01

FUCHS Recommendations:

ACEA A3/B4
FIAT 9.55535-S2
VW 505 00