

## Endurance and reliability



**Engine oils for gasoline engines  
with LPG- and CNG-operation**

LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



**Engine oils for gasoline engines with LPG- and CNG-operation**

## **The right high-tech engine oil for every engine.**

### **TITAN engine oils: premium quality, made in Germany.**

TITAN engine oils are the result of the latest research and development by the world's largest independent lubricant specialist. Developed together with leading automobile manufacturers, tailored to satisfy the demands of today's high-tech engines: offering outstanding high-performance, fuel-economy and wear protection.





## Specific demands of the gas-powered engine.

### Problem: higher temperatures.

Compared to petrol or diesel engines, engines with LPG- or CNG-operation face significantly higher operating temperatures. With petrol or diesel engines the liquid fuel evaporates before combustion giving a beneficial cooling effect. This does not happen with a gaseous fuel so the engine does not benefit from this effect. For this reason gas fuelled engines tend to run at

higher temperatures. This can lead to higher wear rates and increased ageing of the engine oil. Furthermore LPG or CNG do not contain the cleaning or protecting additives which are present in petrol or diesel fuels. These additives improve engine cleanliness by reducing or avoiding e.g. carbon deposits at the intake valves.



**Valves / Valve seats:  
More deposits.**

**Danger:  
Loss of power**

**Higher temperatures.**

**Danger:  
Increased wear  
of the engine and  
increased ageing of the  
engine oil**

# Perfect performance with the right engine oil.

## The solution: TITAN PRO GAS.




FUCHS has developed a new series of specific engine oils to suit gas powered engines: TITAN PRO GAS. They guarantee a reliable and long-lasting operation of the engine. TITAN PRO GAS engine oils were tested in extensive studies and test-runs.

They verified successfully the out-standing capabilities of this new high-performance engine oils. TITAN PRO GAS engine oils are low-emission engine oils. With their special formula the combustion chamber keeps clean and the engine maintains it's designed power output.

Their unique lubricating technology makes the TITAN PRO GAS engine oils better resistant to ageing, thickening and oxidation compared to conventional engine oils. TITAN PRO GAS engine oils exhibit other important features.

The evaporation loss with TITAN PRO GAS SAE 5W-30 is very low and reduces oil consumption by 23% compared with normal synthetic engine oils. Due to an optimized internal friction TITAN PRO GAS SAE 5W-30 can reduce fuel consumption up to 3%.

## Die TITAN PRO GAS-Motorenölreihe für gasbetriebene PKW.

Motoroil	Engine	Description	Specifications / Approvals	FUCHS Recommendations
	TITAN GT1 PRO GAS SAE 5W-30	Premium Performance gas Engine Oil for modern passenger cars and light commercial vehicles. Specially for gasoline engines with LPG- and CNG operation. Optimum engine cleanness, lower oil consumption and minimized exhaust emissions.	ACEA C3 API SM BMW LONGLIFE-04 dexos2™ (GB2C0209075) MB-APPROVAL 229.51 VW 502 00	ACEA A3 / B4 CHEVROLET FIAT 9.55535-G1 OPEL
	TITAN GT1 PRO GAS SAE 5W-40	Premium Performance gas Engine Oil for modern passenger cars and light commercial vehicles. Specially for gasoline engines with LPG- and CNG operation. Optimum engine cleanness, lower oil consumption and minimized exhaust emissions.	ACEA C3 API SM BMW LONGLIFE-04 MB-APPROVAL 229.31	ACEA A3/B4 CITROËN FIAT 9.55535-H2/N2/ M2/S2/Z2 FORD PEUGEOT RENAULT VW 502 00
	TITAN SYN PRO GAS SAE 10W-40	Super High Performance gas Engine Oil for passenger cars and light commercial vehicles. Specially developed for gas engines with LPG- and CNG operation.	ACEA A3/B4 API SL MB-APPROVAL 229.1	BMW SPECIAL CHEVROLET FIAT 9.55535-G2 VW 500 00



## **A real fuel alternative: LPG or CNG.**

### **A relief, not only for your budget: Passenger cars with LPG- or CNG-operation.**

In times of high fuel-prices more and more car drivers are considering a change-over to CNG (Compressed Natural Gas) or LPG (Liquefied Petroleum Gas). With these alternative fuels costs can be significantly reduced. In addition to fuel cost savings, with lower exhaust and CO<sub>2</sub>-emissions CNG- or LPG-operated cars can be more environmentally friendly than conventional petrol or diesel cars.

However, a LPG- or CNG-operated car needs more than a technical changeover. For reliable operation a specific engine oil is required which is optimized to the particular demands of the gas-powered engine.



## **Innovative Lubricants Need Experienced Application Engineers**

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products for the application in question and also on our full range of lubricants.



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