



The best engine oil for every engine.

The Lubricant Specialists

Manufactures Approvals:

Apart from the specifications listed below, a number of manufacturers demand tests on their own engines.

VW Specification Application Area	
VW 500 00	Low-viscosity oils for gasoline and normally-aspirated diesel engines. Only SAE 0W-XX, 5W-XX and SAE 10W-XX oils. XX > 40 oils were not included after 10/91.
VW 501 01	Multigrade engine oils without low-viscosity characteristics for gasoline and normally-aspirated diesel engines.
VW 502 00	Low-viscosity oils for gasoline engines operated in difficult conditions
VW 503 00	Specification for gasoline car engines with extended service intervals (30,000 km or 2 years). Surpasses the requirements of 50200, (HTHS 2.9 mPas).
VW 503 01	Specification for turbocharged gasoline car engines with extended service intervals, e.g. Audi S3, TT (HTHS > 3.5mPas).
VW 504 00	New VW specification for vehicles with or without Long Life Service For gasoline engines
VW 505 00	All-season engine oils for diesel engines with or without turbo charging.
VW 505 01	All-season engine oils especially for Unit Pump diesel engines.
VW 506 00	Specification for diesel engines with extended service intervals (50,000 km or 2 years, HTHS 2.9 mPas)
VW 506 01	Specification for Unit Pump diesel engines with extended service intervals.
VW 507 00	New VW specification for vehicles with or without Long Life Service, For diesel engines fitted with exhaust particulate filter systems.

MB Sheet Application Area	
MB 228.1	Multigrade engine oils for turbocharged diesel engines.
MB 228.3	SHPD engine oils for highly turbocharged diesel engines. Extended oil change intervals up to 45,000 km.
MB 228.5	UHPD (Ultra High Performance Diesel) engine oils for highly turbocharged diesel engines. Extended oil change intervals in light-duty engines up to 45,000 km. Up to 160,000 km possible in heavy-duty diesel engines (with service interval displays).
MB 228.51	UHPD engine oils based on MB 228.5 with particular suitability for diesel particulate filters fitted to Euro IV engines.
MB 229.1	Engine oil for gasoline and diesel car engines. More stringent than ACEA A2-96/A3-96 and B2-96/B3-96.
MB 229.3	Similar demands as 229.1 but with extended oil change intervals (30,000 km)
MB 229.31	Engine oils for cars fitted with diesel particulate filters.
MB 229.5	Engine oils for cars with extended oil change intervals (20,000 km), low pollution.
MB 229.51	Engine oils for cars with diesel particulate filters and extended oil change intervals (20,000 km).

Opel Specification Application Area	
GM-LL-A-025	Engine oils for gasoline car engines, Fuel Economy.
GM-LL-B-025	Engine oils for diesel car engines, Fuel Economy.

BMW Specification Application Area	
BMW Spezial	Engine oils for gasoline engines prior to 1998 or diesel engines
BMW Longlife-98	Engine oils for special gasoline engines after 1998.
BMW Longlife-01	Engine oils for special gasoline engines after 09/01.
BMW Longlife-01 FE	Engine oils for certain gasoline engines after 2001.
BMW Longlife-04	Engine oils for certain engines after 2004.

A Guide to Engine Oil Specifications:

A wide variety of different engine oils with different specifications are available. This guide explains what the most important engine oil specifications mean:

ACEA	The European ACEA specifications designate engine oil applications with letters: A for car gasoline engines B for small-capacity diesel engines in cars, vans and transporters C for cars fitted with exhaust particulate filters E for commercial vehicle diesel engines
API:	API (American Petroleum Institute) categories refer to American requirements and quality criteria, which engine oils must fulfil. The current API grades are SM for gasoline engines and CI-4 for commercial diesel engines. Car diesel engines are not currently classified by the API.
SAE:	The following properties of an engine oil are described by SAE (Society of Automotive Engineers) grades. Taking the example of an SAE 0W-30 engine oil, the first numeral describes the viscosity at low temperatures. The smaller this number the better the oil flows at low temperatures to reach the important lubrication points in the engine. The second figure describes the viscosity at high temperatures.

Gasoline Engines:

A1	Category for low viscosity engine oils with a particular low High Temperature, High Shear viscosity (HTHS, <3.5m Pas). Recommended viscosity grades are XW-30 and XW-20.
A2	Category for conventional and low-viscosity engine oils.
A3	Category for conventional and low-viscosity engine oils with greater demands than A2. Out-performs ACEA A2 with regard to Noack (evaporation losses), piston cleanliness and oxidation stability
A5	Category for conventional and low-viscosity engine oils. Corresponds to ACEA A3 but with lower HTHS viscosity. A reduction in fuel consumption of 2.5 % compared to a 15W-40 reference oil must be proven in a test engine.

Car Diesel Engines:

B1	Category for low-viscosity engine oils with particularly low High Temperature High Shear viscosity (corresponds to A1).
B2	Category for conventional and low viscosity engine oils.
B3	Category for conventional and low-viscosity engine oils. Out-performs ACEA B2 with regard to cam wear, piston cleanliness and viscosity stability in high soot conditions.
B4	New category for diesel Direct Injection engines (TDI).
B5	Corresponds to ACEA B4 but with lower HTHS viscosity. A reduction in fuel consumption of 2.5 % compared to a 15W-40 reference oil must be proven in a test engine
C1	Introduced in 10/2004 for car diesel engines fitted with exhaust particulate filters. Sulphate ash content, max. 0.5 % with lowered HTHS (Ford).
C2	Introduced in 10/2004 for car diesel engines fitted with exhaust particulate filters. Sulphate ash content, max. 0.8 % with HTHS > 2.9 mPas (PEUGEOT).
C3	Introduced in 10/2004 for car diesel engines with exhaust particulate filters. Sulphate ash content, max. 0.8 % with HTHS > 3.5 mPas. (DaimlerChrysler and BMW)

Commercial Vehicle Diesel Engines

E1	No longer valid
E2	Corresponds in general to MB 228.1
E3	Invalid since 10/2004
E4	based largely on MB 228.5. No OM 364 A engine test required but Mack T8& T8E, extended oil change intervals, suitable for Euro III engines.
E5	Invalid since 10/2004
E6	F or engines with EGR (Exhaust Gas Recirculation), with or without diesel particulate filters and SCR (Selective Catalytic Reduction) NOX engines; recommended for engines fitted with exhaust particulate filters in combination with sulphur-free fuels; sulphate ash content <1%(wt).
E7	For engines without diesel particulate filters, most engines with EGR and SCR NOX, sulphate ash content max. 2%(wt).

The Lubricant Specialists



Founded as a German company in 1931, Fuchs today is a group with global reach. Fuchs is the world's largest independent lubricant supplier, with several thousand employees in its many operations worldwide.

Fuchs leading position is supported by an extensive range of lubricants, with tailor-made solutions for various markets.

Fuchs Lubricants (Australasia) specialises in five main areas:

- + Automotive
- + Industrial
- Specialist applications including:
 - + Open Gear Lubrication
 - + Mining
 - + Private label

Fuchs offer customer's unrivalled individual focus with 12 sites throughout Australia and New Zealand with over 95% of products manufactured locally.

The Fuchs facilities in Melbourne and Newcastle are ISO 9001 accredited with both laboratories providing customer service, R&D and quality control.

Fuchs extensive range of services is supported by a team of qualified laboratory technicians who are available to provide customers with a vast array of fluid analysis including the highly specialised conditioning monitoring tool known as CENT.

Fuchs products and services are constantly evaluated and updated to meet steadily increasing demands of industry.

This ongoing process ensures that Fuchs Lubricants (Australasia) will meet or exceed any future requirements of the industry.

Fuchs know and understand the technical demands so we can always offer you the best product for all your lubricant demands.

All the time.

YOUR NEAREST DISTRIBUTOR IS:



FUCHS LUBRICANTS AUSTRALASIA

<p>Head Office Melbourne 49 McIntyre Road Sunshine Victoria 3020 Phone: 1800 1800 13 Fax: 1800 1800 14 E-mail: customer.service@fuchs.com.au www.fuchs.com.au</p>	<p>New Zealand Office 485c Rosebank Road Avondale, Auckland 1026 Phone: 0800 382 476 Fax: 09 820 3643 E-mail: customer.service@fuchs.com.au www.fuchs.com.au</p>
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The Fuchs product range is not limited to conventional lubricants, we also offer a full range of:

Coolants, Cleaners, Transmission fluids, Gear oils, Greases, Agricultural lubricants, Petrol and Diesel engine lubricants, Metal Working fluids, Corrosion preventatives and much more

Contact your Fuchs representative to find the right product to suit your lubricant needs



TITAN SUPERSYN 10W-60

Ultra High Performance oil for passenger cars. Good cold starting behaviour and low oil consumption. Highly durable lubricating film and high oil pressure

Multipurpose applicability in many vehicles

- Good cold start performance
- Very good engine cleanliness
- High thermal stability
- Low evaporation loss, low oil consumption
- Improved oil pressure even at high ambient temperatures
- Sustainable wear protection

FUCHS RECOMMENDATIONS
ACEA A3/B3
API SL/ CF
FIAT 9.55535-H3

TITAN FORMULA 60

Super high performance engine lubricant, specially developed for the arduous conditions of motor sport racing

- Excellent viscometrics due to quality of the base stock.
- Proven race performance lubricant with maximum protection and cooling.
- Performs well in assisting in the reduction of emissions in older worn engines.
- Suitable for vehicles using LPG fuel.
- Compatible with vehicles using methanol fuel.

FUCHS RECOMMENDATIONS
SAE Grade 25W-60
API SL/ CF
ACEA A3 / B3



The best high-tech engine oil for every engine.

Fuchs the world's largest independent lubricant supplier with global head quarters in Germany, has developed and manufactured technologically advanced lubricants in Australia for over 75 years.

At Fuchs we provide ourselves on being at the forefront of technology, whilst maintaining the tradition of producing consistently high quality lubricants.

The Fuchs Titan range has been developed with leading automotive manufacturers to create a comprehensive range of high performance lubricants to cater for all of your lubricant needs.

The new TITAN GT1 series:

World wide the only zinc free premium engine oils for optimal fuel-saving and obvious ecological advantages.

Especially designed for modern passenger car engines and sports car engines with exhaust after-treatment systems.



TITAN GT1 PRO FLEX 5W-30

Premium Motor Oil with new XTL technology for maximum cold start ability and outstanding performance reserves. For modern passenger cars and light commercial vehicles with or without extended service intervals.

- At cold start oil distribution time is up to 55% faster and engine start takes place up to 35% quicker.
- Due to XTL-Technology even further improved fuel economy of up to 1.7% at the same SAE-viscosity level
- Up to 18% lower oil consumption offered by XTL technology
- Improved ageing stability due to XTL-Technology up to 38% lower viscosity increase in standardized engine test
- Protects exhaust gas after treatment systems
- Excellent wear protection with maximum power output.
- Applicable in diesel and gasoline engines.
- Prevents from deposits in engines and turbochargers.

SPECIFICATIONS
ACEA C3
API SM
Dexos 2

APPROVALS
BMW LONGLIFE-04
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 C3 5W-30

Premium Motor Oil with new XTL-technology for maximum cold start ability and outstanding performance reserves. The unique lubrication properties of XTL-Technology offer significant benefits in highly stressed engines, especially in the latest downsized aggregates or engines with Stop-Start-Systems.

- Oil circulation time at low temperatures is up to 55% faster and engine start time is improved by up to 35%.
- Due to XTL-Technology even further improved fuel economy of up to 1.7% compared to engine oils of the same SAE-viscosity
- Up to 18% lower oil consumption offered by XTL technology
- Improved ageing stability due to XTL-Technology: up to 38% lower viscosity increase in standardised engine test
- Protects exhaust gas after treatment systems
- Excellent wear protection with maximum power output.
- Applicable in diesel and gasoline engines.
- Prevents from deposits in engines and turbochargers

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

FUCHS RECOMMENDATIONS
ACEA C3
ACEA A3/B4
FORD M2C917-A



TITAN GT1 PRO C1 5W-30

Premium Motor Oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for Mazda vehicles with exhaust after treatment and turbocharger.

- Optimum cold starting Ability
- Guarantees low fuel consumption resulting in minimised exhaust emissions.
- Protection of exhaust treatment devices.

SPECIFICATIONS
ACEA C1

FUCHS RECOMMENDATIONS
ACEA A5/B5
JASO DL-1
FORD WSS-M2C934-B
MAZDA



TITAN GT1 5W-40

Premium Motor Oil with new XTL technology for maximum cold start ability and outstanding performance reserves. For modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for vehicles with exhaust after treatment and turbocharger.

- Oil circulation time at low temperatures is faster and engine start time is shorter.
- Due to XTL-Technology even further improved fuel economy at the same SAE-viscosity level lower oil consumption offered by XTL-technology
- Improved ageing stability due to XTL-Technology, proven in standardized engine test
- Approved for use in VW diesel engines with pump injector system
- Excellent wear protection, i.e. Valve train (Camshafts, tappets, etc.)
- Low evaporation loss

SPECIFICATIONS
ACEA C3
API SM/CF
FORD M2C19-A

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

FUCHS RECOMMENDATIONS
ACEA A3/ B4
FIAT 9.55535-2



TITAN SUPERSYN 5W40

Fully synthetic, high performance & fuel economy engine oil. Suitable for a variety of vehicles with or without extended service intervals

Multipurpose, can be used in many different cars

- Good cold start performance
- Very good engine cleanliness
- Fuel savings at all running conditions
- Low evaporation loss
- Improved oil pressure

SPECIFICATIONS
ACEA A3/B4
API SM/CF

APPROVALS
BMW LONGLIFE-98
MB-APPROVAL 229.3
PORSCHE A40
VW 502 00/505 00

FUCHS RECOMMENDATIONS
FIAT 9.55535-H2/M2/N2/Z2
PSA B 71 2296
RENAULT RN0700/RN0710



TITAN SUPER GTO 10W40

An MC Synthese Technology, high performance engine lubricant for naturally aspirated and turbocharged petrol, diesel & LPG engines in passenger & light commercial vehicles

Provides superior performance, particularly in the areas of oil consumption, fuel economy, high temperature-deposit control and oxidation.

- TITAN SUPER GTO 10W40 can be used if the following SAE grades are specified: SAE 5W40, SAE 10W-40, SAE 15W-40, SAE 20W-40
- Low maintenance costs and the excellent long life characteristic of this oil, allow oil change intervals to be extended. This reduces downtime, waste oil and filter disposal costs.

FUCHS RECOMMENDATIONS
ACEA A3, B3, B4
API SM/ CF



TITAN SUPER GTO 10W30

An MC Synthese Technology, high performance, fuel-economy engine oil, for cars and vans with gasoline and diesel engines with and without turbo-charging

Provides Superior performance particularly in the areas of oil consumption, fuel economy, high temperature-deposit control and oxidation.

- Lowers fuel consumption due to its special additives and is never too thin or too thick regardless of the operating conditions.
- Compared to conventional SAE 15W-40 oils, SUPER GTO 10W-30 can reduce fuel consumption by up to 5.5%

FUCHS RECOMMENDATIONS
API SM
ILSAC GF-4



TITAN CFX 10W-30

An advanced SAE 10W-30 engine lubricant, ideal for late generation engines requiring low viscosity oil.

Designed to meet the unique Australian and New Zealand driving conditions

- Suitable for late generation naturally aspirated and turbocharged petrol and diesel power engines.
- Although flushing is strongly Recommended, TITAN CFX is compatible with all high quality branded low viscosity engine oils
- Provides increased engine Protection, cleanliness and performance

FUCHS RECOMMENDATIONS
SAE Grade 10W-30
API SM/CF
ILSAC GF-4



TITAN XTM 15W-40

Synthetically enhanced engine lubricant for every day & high performance engines in passenger and light commercial vehicles

- Synthetically enhanced superior performance
- Meets the latest API petrol specification SM and is also suitable for use where API SL and earlier categories are recommended.

- Meets the strict ACEA A3 and B4 specifications as required by many late model European and Japanese petrol and diesel vehicles.
- Formulated to minimise deposit formulation and maintain engine cleanliness.

FUCHS RECOMMENDATIONS
SAE Grade 15W-40
API SM/CF
ACEA A3/ B4



TITAN CFX 15W-40

Multigrade high performance engine oil that provides excellent protection against wear with exceptional oil consumption control properties

Recommended for petrol, light diesel, LPG and E10 fuelled engines. Can be used in most applications where a 20W50 or 10W30 engine is specified.

- Designed for superior fuel economy
- Meets the strict ACEA A3 and B3 specifications as required by many late model European and Japanese petrol and diesel vehicles.
- Designed to operate in the arduous Australian and New Zealand Driving conditions.

FUCHS RECOMMENDATIONS
SAE Grade 15W-40
API SM/ CF
ACEA A3/ B3

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