



# Product Program **Automotive Lubricants**

2023

**MOVING YOUR WORLD**







# At FUCHS, you will always be sure of finding the perfect high-quality oil for your vehicle.

When it comes to oil for your vehicle, you don't want to spend a lot of time researching or dealing with complex labels and descriptions. Instead, you want all relevant information at a glance. And you want a product that's easy to use and to pour. We guide you quickly and directly to the right product for your vehicle, and offer a product that's so easy to use. To ensure this, we enhanced both the shape of the small pack and the label, based on state-of-the-art ergonomic findings and customers' feedback. The labels now feature easily recognizable images, pictographs and color codes to help you choose the right oil. The optimized small pack shape includes a longer neck for smoother pouring. Other details such as the new grip on 1-liter packs and the double handle on 4- and 5-liter packs improve weight distribution, making them much easier to handle. The new tamper-resistant screw cap with a slit flex band ensures there's original FUCHS oil in the small pack.

By choosing products in our new small packs, you also help reduce waste and your carbon footprint. The packs contain at least 30% post-consumer recycled (PCR) content and the lubricants are produced in our CO<sub>2</sub>-neutral\* plants.

Finally, the newly designed small packs give you peace of mind that you are buying an original FUCHS product with German technology. All good reasons to choose FUCHS the next time you buy high-quality oil for your vehicle.



The range of oils for the automotive sector is huge. With the redesign of our small packs and labels, we give you maximum orientation – choosing the best oil has never been so easy!

## EASY TO CHOOSE



- New small pack design with clearly structured labels
- Easy to choose thanks to images, pictograms and lubricant quality categories
- Updated, premium look and feel

## EASY TO USE



- Improved ergonomics thanks to the redesigned small pack
- Easier pouring: refined neck design, grip area (1-liter packs), two handles (4- and 5-liter packs)
- New tamper-resistant screw cap

## EASY ON THE ENVIRONMENT



- Recycled and recyclable packaging
- Improved residual emptying
- CO<sub>2</sub>-neutral production



Easy to select: Find the right oil for your engine here!

## FUCHS LUBRICANTS GERMANY

We do not just develop lubricants. We develop intelligent solutions for highly complex challenges.

To this end, we have pooled our expertise and experience from a wide range of application areas: FUCHS SCHMIERSTOFFE and FUCHS LUBRITECH became FUCHS LUBRICANTS GERMANY. Our goal: to keep our customers' world in motion. Efficient, sustainable, reliable. Today and tomorrow.

What can we move for you?



## FUCHS LUBRICANTS GERMANY

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### Facts and figures

**Company:** FUCHS LUBRICANTS GERMANY GmbH,  
a company of the FUCHS Group

**Locations:** Based in Mannheim, with sites in  
Bremen, Dohna, Hamburg, Kaiserslautern, Kiel and Wedel;  
approx. 1,400 employees

**Product range:** A full range of more than 3,000 products  
for all application areas

**Certifications i. a.:** ISO 9001, IATF 16949, ISO 14001,  
ISO 45001, ISO 50001, ISO 21469, HALAL, KOSHER  
(detailed certifications at [www.fuchs.com/de/en](http://www.fuchs.com/de/en))

**CO<sub>2</sub> neutral production\***

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Since 1931, we have been pursuing the same goal: to keep the world moving. With innovative and technological lubricant solutions that have a sustainable impact on the future. Unconditional reliability is our top priority, it is the foundation of our company and basis for everything that defines us.

Reliability is both a driver and a demand. And it's a promise to all our customers in the fields of automotive suppliers and OEMs, mechanical engineering, metal processing, mining and exploration, aerospace, energy, construction and transport, agriculture and forestry, as well as the paper, steel, metal, cement, forging and food industries, but also qualified lubricant dealers, car dealerships and workshops.

Long-term experience, high development strength and the fulfillment of far-reaching standards are the basis for the special quality of our world-leading product brands. We deliver solutions that are simply more efficient and therefore more sustainable. We always think in holistic solutions. For the development of individual solutions, we enter into an intensive customer dialog with you. This is the way we live up to our claim of moving your world.

## MOVING YOUR WORLD

\*Partially also based on compensation



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Antifreezes, brake fluids,  
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Specialties

Central hydraulic / power steering  
fluids, rapidly biodegradable  
lubricants, multigrade hydraulic oils,  
hydraulic and industrial gear oils,  
refrigeration oils, fluids for noise  
reduction, greases, cleaner,  
assembly aids, corrosion preventives

**86–90**

Motorcycle Lubricants















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## Package overview

Get a quick overview of the available packages of a product. Under each product pictograms and package units are listed accordingly.

|   |            |   |           |
|---|------------|---|-----------|
|  | Tin        |  | Tin       |
|  | Canister   |  | Cartridge |
|  | IBC        |  | Tin       |
|  | Drum       |  | Tube      |
|  | Tank truck |  | Spray can |
|  | BULK       |  | Bucket    |
|  | Bottle     |  | Hobcock   |

## The World of Automotive Lubricants

FUCHS consistently relies on the so-called European Engine Lubricant Quality Management System (EELQMS), a European quality management system for engine oils. In addition to our development and production within the framework of the automotive industry quality standard IATF 16949, the EELQMS quality seal stands for highest product quality.



### Engine Oils

FUCHS is one of the leading lubricant manufacturers for the initial filling of passenger cars, trucks and agricultural or construction machines. With a comprehensive range of lubricants for all automotive applications and the XTL®-Technology that is unique worldwide, FUCHS truly sets new standards. Upon starting the engine, engine oils with XTL®-Technology reach the places where their protective film is urgently needed quicker and easier, even under extreme conditions. This ensures reliable protection throughout the entire service life of the oil. For the driver, that means easier start processes, less wear and lower fuel consumption – and oil consumption is also significantly lower than in conventional oils of the same viscosity class. A pioneering engine oil technology.

**TITAN**

### Transmission Fluids

To ensure smooth running throughout their entire service life, modern car transmissions need state-of-the-art, high-performance lubricants that protect the gearing from wear and considerably improve the ease with which gears are changed. Moreover, the extension of the replacement intervals right up to a lifetime filling increases the requirements placed on the quality of the oils. As a long-standing development partner of the world's leading gear manufacturers, we keep our finger on the pulse of the times. Stay on the safe side with the ultra-modern TITAN gear oils.

**TITAN**

### Lubricants for Agricultural Machinery

FUCHS has been active in the agricultural lubricant market for more than 70 years, both as an OEM for machine manufacturers and in the field of workshop services. The latest innovative lubricants under the AGRIFARM brand secure maximum operational reliability of all agricultural units – from engines and transmissions, right through to hydraulics in all machines and vehicles. AGRIFARM lubricants have proved extremely successful even under the very toughest conditions and thereby offer the highest level of reliability for your vehicle fleet.

**AGRIFARM**





### Motorcycle Lubricants

FUCHS offers more products that are specifically developed for the requirements of motorcycles and two-stroke engines than any other supplier on the market. Our new XP technology for motorized two-wheelers offers significantly reduced fuel and oil consumption, meets the highest API specifications and boosts performance with the Pro 4 and Comp 4 products.

**Silkolene**



### Service Products

The FUCHS MAINTAIN range of workshop and service products is a comprehensive portfolio of coolant additives, brake fluids and fuel additives. These offer your vehicle optimum protection at all times – particularly in winter.

Our MAINTAIN products are individually matched to virtually every vehicle type and offer the best possible protection combined with the latest technology.

**MAINTAIN**



### Environmentally Friendly Lubricants

The dream of environmentally friendly lubricants is nothing new. Indeed, FUCHS was one of the first companies to enter the market with rapidly biodegradable lubricants back in the 70s. Since then, FUCHS has invested heavily in researching and further developing these lubricants.

The reward for all this hard work: a priceless and unparalleled wealth of expertise and practical experience. Because one thing is certain: a good product alone is not enough. The user also needs competent advice when choosing the right product, switching over to rapidly biodegradable lubricants and for application. It really pays off to have an expert partner by your side.

**PLANTO**

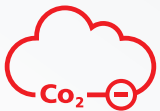
## FUCHS lubricants

stand for performance and sustainability, for safety and reliability, for efficiency and cost savings.

They represent a promise: **technology that pays back.**



Rapidly biodegradable – protecting endangered habitats



CO<sub>2</sub> reductions – optimizing our customer's carbon balance



Food grade – enables industrial food processing



Process compatibility – efficient operations



Less wear – reliable operations



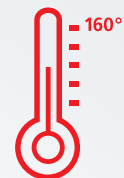
Fuel savings – saving precious resources and lowering emissions



Corrosion protection – enhanced machine life



Extension of maintenance intervals – reduced downtimes



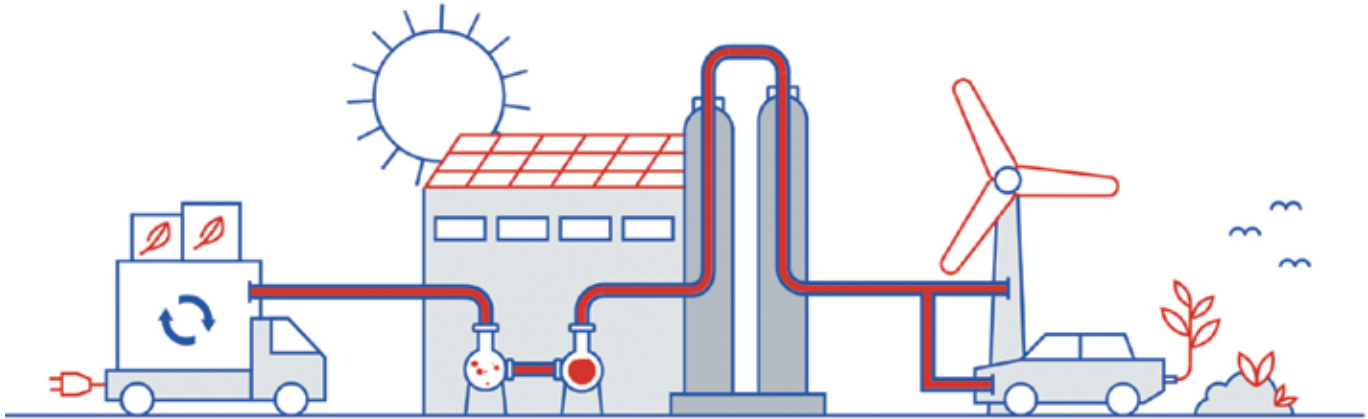
High thermal resistance – enhanced lubricant use, cost reduction



Reduced oil consumption – resource efficiency



# CO<sub>2</sub>-neutrality\* strategy



## We support our suppliers and engage in sustainable purchasing.

We share the results of our research and support our suppliers in developing and using sustainable and carbon-neutral\* precursors.

## Our production: Responsible and CO<sub>2</sub>-neutral\*.

We focus on resource conservation and energy savings within our production operations. We compensate for unavoidable CO<sub>2</sub> emissions with selected, certified climate protection projects.

## What our customers contribute: Less friction, reduced energy consumption.

The use of our products makes a strong contribution toward helping the environment. Our environmental performance analyses show: Thanks to factors including friction reduction, the CO<sub>2</sub> savings are significantly greater than with conventional products.

## LUBRICANTS FROM CO<sub>2</sub>-NEUTRAL\* PRODUCTION

As of January 2020, FUCHS is a CO<sub>2</sub>-neutral\* company globally and its customers receive lubricants from CO<sub>2</sub>-neutral\* production worldwide.

FUCHS' CO<sub>2</sub>-neutrality\* strategy is embedded in its sustainability strategy, which was launched in 2010. In order to implement CO<sub>2</sub>-neutrality\*, FUCHS offsets its CO<sub>2</sub> emissions, which have not yet been avoided so far, through carbon-compensation payments by investing in high-quality climate protection projects aimed primarily at promoting renewable energies.

Since 2021, the calculation of the above-mentioned CO<sub>2</sub> emissions has included not only the pure production companies, but also 100% of all sales and administration locations, as well as all joint ventures.

In the medium term, FUCHS intends to gradually reduce its carbon compensation payments and increase its share of renewable energy supplies, while continuing to invest in improving the energy efficiency of its locations.

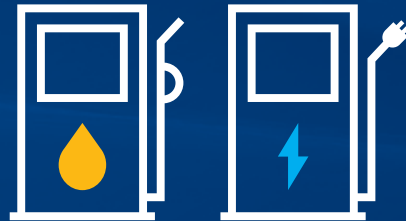
In the long term, the company also aims to sell CO<sub>2</sub>-neutral\* products to its customers, which requires that FUCHS will in the future be supplied with CO<sub>2</sub>-neutral\* raw materials by its suppliers.



→ Climate protection projects

# Always one step ahead. With BluEV Technology.

As a pioneer for the mobility of the future, we have developed over 10,000 lubricants for more than 90 years. With the brand TITAN, FUCHS has been represented in many electric and hybrid vehicles from leading premium manufacturers for a long time.



## BluEV Technology stands for

- many years of experience and solid automotive know-how,
- performance, reliability and efficiency,
- advanced lubricant solutions.

BluEV Technology builds the bridge between existing and new products and their application in conventional vehicles with combustion engines as well as hybrid and electric vehicles.

We therefore offer a comprehensive range of lubricants for all automotive applications, including electric powertrains. So we can take the step into the mobility of the future together.





# BluEV

TECHNOLOGY





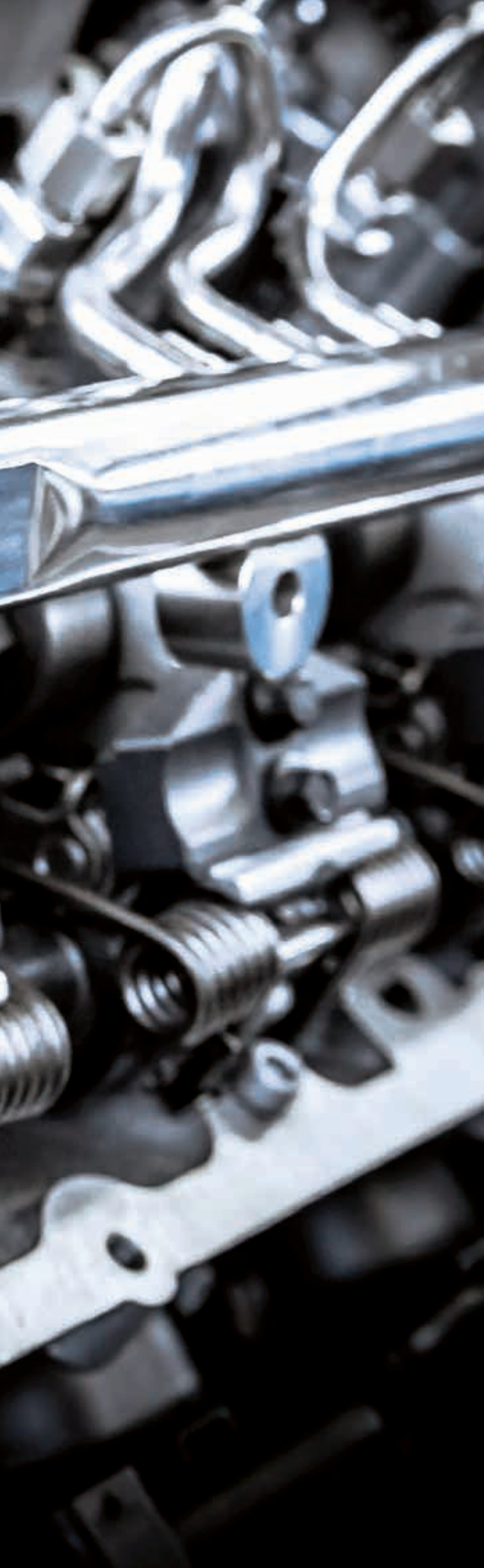
# ENGINE OILS

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.

TITAN engine oils: Premium quality from the German automobile industry's leading lubricant OEM.

Made in Germany.





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**Engine Oils**

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**XTL**<sup>®</sup>  
TECHNOLOGY

## Ground-breaking XTL<sup>®</sup>-Technology.

While starting, engine oils with XTL<sup>®</sup>-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.











# Engine Oils











# TITAN












| Product name   | Description   | Specifications   | Approvals   | FUCHS Recommendations  |
|--|---|--|---|--|
| <b>Engine Oils for Passenger Cars</b>  |   |  |   |  |
| <b>TITAN<br/>GT1 FLEX 5<br/>SAE 0W-20</b><br><br>                 | Premium Performance Engine Oil. Specially designed for highly stressed downsized engines with maximum power output, for extreme fuel-economy characteristics and reduced CO <sub>2</sub> emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves. Additionally applicable in hybrid vehicles of different manufacturers such as Toyota or Mercedes-Benz. | ACEA C6, C5<br>API SN PLUS RC<br>API SP RC<br>ILSAC GF-6A  | BMW LONGLIFE-17 FE+<br>JAGUAR LAND ROVER<br>STJLR.03.5006<br>MB-APPROVAL 229.71<br>MB-APPROVAL 229.72<br>OPEL OV0401547 – A20 | CHRYSLER MS-12145<br>FIAT 9.55535-GSX<br>FORD WSS-M2C947-A<br>FORD WSS-M2C947-B1<br>FORD WSS-M2C962-A1<br>ILSAC GF-5<br>JAGUAR LAND ROVER<br>STJLR.51.5122<br>VOLVO VCC RBS0-2AE |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |
| <b>TITAN<br/>GT1 FLEX 952<br/>SAE 0W-20</b><br><br><br><b>NEW</b> | Premium Performance Engine Oil specially designed for modern FORD vehicles, for extreme fuel-economy characteristics and reduced CO <sub>2</sub> emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves. Additionally applicable in hybrid vehicles of different manufacturers.   | ACEA C6, C5<br>API SN PLUS<br>API SP<br>FORD WSS-M2C952-A1 | JAGUAR LAND ROVER<br>STJLR.03.5006<br>MB-APPROVAL 229.71<br>OPEL OV0401547 – A20  | FORD WSS-M2C947-A<br>FORD WSS-M2C947-B1<br>FORD WSS-M2C962-A1<br>ILSAC GF-5  |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |
| <b>TITAN<br/>GT1 PRO V<br/>SAE 0W-20</b><br><br>                  | Premium Performance Engine Oil with new XTL®-Technology in ground-breaking viscosity class. Specially designed for modern VOLVO vehicles, for extreme fuel-economy characteristics and reduced CO <sub>2</sub> emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves.  | –  | VOLVO VCC RBS0-2AE  | ACEA A1/B1   |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |










# Engine Oils

| Product name  | Description   | Specifications   | Approvals   | FUCHS Recommendations  |
|---|---|--|---|--|
| <b>Engine Oils for Passenger Cars</b>   |   |  |   |  |
| <b>TITAN<br/>GT1 LONGLIFE IV<br/>SAE 0W-20</b><br><br>           | Premium Performance Engine Oil in ground-breaking viscosity class. Specially designed for modern VW vehicles incl. hybrid models, for extreme fuel-economy characteristics and reduced CO <sub>2</sub> emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves.  | ACEA C5<br><b>FORD WSS-<br/>M2C956-A1</b>  | PORSCHE C20<br>VW 508 00/509 00   | –  |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |
| <b>TITAN<br/>GT1 FLEX C2<br/>SAE 0W-30</b><br><br><br><b>NEW</b> | Premium Performance engine oil for modern cars and vans. Especially developed for BMW and Mercedes-Benz vehicles with exhaust gas aftertreatment and turbochargers, incl. hybrid vehicles. Excellent Cold-Start properties, low oil consumption and reduced emissions.  | ACEA C2<br>ACEA A5/B5<br>API SP<br>API SP RC<br>ILSAC GF-6A<br>FORD WSS-<br>M2C950-A | BMW LONGLIFE-12 FE<br>MB-APPROVAL 229.61  | FIAT 9.55535-GS1   |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |
| <b>TITAN<br/>GT1 PRO 2312<br/>SAE 0W-30</b>   | Premium Performance, fuel-economy engine oil for modern passenger cars and light commercial vehicles. Specially developed for latest PSA gasoline and diesel vehicles with exhaust after treatment and turbocharger. Excellent cold starting, lower oil consumption and minimized exhaust emissions.  | ACEA C2  | PSA B71 2312  | CHRYSLER MS-13340<br>CHRYSLER MS.90047<br>FIAT 9.55535-DS1/GS1<br>IVECO 18-1811 CLASSE SC1 LV        |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |
| <b>TITAN<br/>GT1 FLEX 23<br/>SAE 5W-30</b><br><br>             | Premium Performance, extreme fuel-economy engine oil with optimum cold start ability and outstanding performance reserves. For modern passenger cars and light commercial vehicles with or without extended service intervals. Additionally applicable in hybrid vehicles of different manufacturers such as Audi or Mercedes-Benz.   | ACEA C3, C2<br>API SP  | BMW LONGLIFE-04<br>MB-APPROVAL 229.31<br>MB-APPROVAL 229.51<br>MB-APPROVAL 229.52<br>OPEL OV0401547 – D30<br>VW 505 00/505 01 | CHRYSLER MS-11106<br>FIAT 9.55535-S1 / -S3<br>GM-LL-A-025<br>GM-LL-B-025<br>IVECO 18-1811 CLASSE SC1 |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |
| <b>TITAN<br/>GT1 FLEX 34<br/>SAE 5W-30</b>  | Premium Performance, extreme fuel-economy engine oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially for engines with exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions.   | ACEA C4, C3  | MB-APPROVAL 226.51<br>MB-APPROVAL 229.51<br>RENAULT RN0720  | FIAT 9.55535-S4  |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |  |
| <b>TITAN<br/>GT1 PRO C-3<br/>SAE 5W-30</b><br><br>             | Premium Performance, extreme fuel-economy engine oil for optimum cold start ability and outstanding performance reserves. For modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for BMW, VW and Mercedes-Benz vehicles with exhaust after treatment and turbocharger and also applicable for their hybrid vehicles. | ACEA C3<br>API SN  | BMW LONGLIFE-04<br>MB-APPROVAL 229.51<br>PORSCHE C30<br>VW 504 00/507 00  | CHRYSLER MS-11106<br>FIAT 9.55535-S3<br>MB 229.52  |
|    | 12 x 1 L (Tin), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |  |

**TITAN**








| Product name  | Description   | Specifications        | Approvals   | FUCHS Recommendations  |
|---|---|-----------------------|---|--|
| <b>Engine Oils for Passenger Cars</b>   |   |                       |   |  |
| <b>TITAN<br/>GT1 FLEX C3<br/>SAE 0W-30</b><br><br><br><b>NEW</b>   | Premium Performance engine oil for modern cars and vans. Especially developed for BMW, VW, Porsche und Mercedes-Benz vehicles with exhaust gas aftertreatment and turbochargers. Excellent Cold-Start properties, low oil consumption and reduced emissions. Additionally applicable in hybrid vehicles of different manufacturers such as BMW, Mercedes-Benz or VW.  | ACEA C3               | BMW LONGLIFE-04<br>MB-APPROVAL 229.31<br>MB-APPROVAL 229.51<br>MB-APPROVAL 229.52<br>PORSCHE C30<br>VW 504 00/507 00  | API SN<br>CHRYSLER MS-11106<br>FIAT 9.55535-S3   |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                       |   |  |
| <b>TITAN<br/>LONGLIFE III<br/>SAE 0W-30</b>   | Premium Performance Engine Oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for VW vehicles with exhaust after treatment and turbocharger. Excellent cold starting, lower oil consumption and minimized exhaust emissions.   | ACEA C3               | PORSCHE C30<br>VW 504 00/507 00   | –  |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                       |   |  |
| <b>TITAN<br/>GT1 PRO RN17<br/>SAE 5W-30</b>   | Premium Performance, extreme fuel-economy engine oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for RENAULT vehicles with exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions.  | ACEA C3               | RENAULT RN17<br>MB-APPROVAL 226.52  | RENAULT RN0700/RN0710  |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                       |   |  |
| <b>TITAN<br/>GT1 FLEX FR<br/>SAE 5W-30</b><br><br><br><b>NEW</b> | Premium Performance, extreme fuel-economy engine oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for PSA and RENAULT vehicles with exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions. Additionally applicable in hybrid vehicles of different manufacturers. | ACEA C3, C2<br>API SP | MB-APPROVAL 226.52<br>MB-APPROVAL 229.51<br>MB-APPROVAL 229.52<br>PSA B71 2290<br>RENAULT RN17  | RENAULT RN0700/0710<br>MB 229.31   |
|    | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                       |   |  |
| <b>TITAN<br/>GT1 PRO C-1<br/>SAE 5W-30</b>  | Premium Performance, extreme fuel-economy engine oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for vehicles with exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions.  | ACEA C1               | JAGUAR LAND ROVER<br>STJLR.03.5005  | JASO DL-1<br>FORD WSS-M2C934-B   |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 205 L (Drum)  |                       |   |  |
| <b>TITAN<br/>GT1 FLEX 3<br/>SAE 5W-40</b><br><br>                | Premium Performance, fuel-economy engine oil with new XTL®-Technology for optimum 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.  | ACEA C3<br>API SN     | BMW LONGLIFE-04<br>MB-APPROVAL 226.5<br>MB-APPROVAL 229.31<br>MB-APPROVAL 229.51<br>MB-APPROVAL 229.52<br>PORSCHE C40<br>RENAULT RN0700/RN0710<br>VW 511 00 | API CF<br>CHRYSLER MS-10725<br>FIAT 9.55535-GH2<br>FIAT 9.55535-S2<br>FIAT 9.55535-T2<br>FORD WSS-M2C917-A<br>VW 505 00/505 01 |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                       |   |  |

# Engine Oils







| Product name  | Description   | Specifications                         | Approvals   | FUCHS Recommendations   |
|---|---|--|---|---|
| <b>Engine Oils for Passenger Cars</b>   |   |  |   |   |
| <b>TITAN SUPERSYN LONGLIFE PLUS SAE 0W-30</b>                                       | Ultra High Performance, extreme fuel-economy engine oil formulated with fully synthetic base oil for VW engines. Specially developed for VW Longlife Technology. For all passenger car gasoline and diesel engines with or without pump injector technology. Excellent cold starting and lower oil consumption. | –                                      | VW 506 01   | VW 503 00/506 00  |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 1.000 L (IBC)  |  |   |   |
| <b>TITAN SUPERSYN LONGLIFE SAE 0W-30</b>  | Ultra High Performance, extreme fuel-economy engine oil for a variety of vehicles with or without extended service intervals. Excellent cold starting and lower oil consumption.  | ACEA A3/B4<br>API SL                   | –   | MB 229.5<br>VW 502 00/505 00  |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum)   |  |   |   |
| <b>TITAN SUPERSYN LONGLIFE SAE 0W-40</b>  | Ultra High Performance, fuel-economy engine oil for a variety of vehicles with or without extended service intervals. Excellent cold starting and lower oil consumption.  | ACEA A3/B4<br>API SN                   | MB-APPROVAL 229.5<br>VW 502 00/505 00   | FORD WSS-M2C937-A   |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)   |  |   |   |
| <b>TITAN SUPERSYN LONGLIFE SAE 5W-40</b>  | Ultra High Performance, fuel-economy engine oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.  | ACEA A3/B4<br>API SN                   | BMW LONGLIFE-01<br>MB-APPROVAL 226.5<br>MB-APPROVAL 229.5<br>PORSCHE A40<br>PSA B71 2296<br>RENAULT RN0700/RN0710<br>VW 502 00/505 00 | CHRYSLER MS-12991<br>FIAT 9.55535-H2/M2/<br>N2/Z2   |
|  | 12 x 1 L (Tin), 5 x 4 L (Canister), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |   |
| <b>TITAN SUPERSYN FE SAE 0W-30</b>  | Ultra High Performance, fuel-economy engine oil for a variety of vehicles with or without extended service intervals. Excellent cold starting properties and low oil consumption.   | ACEA A5/B5                             | VOLVO VCC 95200377  | RENAULT RN0700  |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN F ECO-FE SAE 0W-30</b>  | Ultra High Performance, extreme fuel-economy engine oil especially developed for modern Ford Diesel engines. Excellent cold starting and lower oil consumption.   | ACEA C2<br>FORD WSS-M2C950-A           | JAGUAR LAND ROVER<br>STJLR.03.5007  | –   |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN F ECO-B SAE 5W-20</b>   | Ultra High Performance, extreme fuel-economy engine oil especially developed for Ford EcoBoost gasoline engines. Optimum cold starting and lower oil consumption.   | ACEA C5<br>API SN<br>FORD WSS-M2C948-B | JAGUAR LAND ROVER<br>STJLR.03.5004  | ACEA A1/B1<br>CHRYSLER MS 6395<br>FIAT 9.55535-CR1<br>FORD WSS-M2C925-A<br>FORD WSS-M2C925-B<br>FORD WSS-M2C945-A<br>ILSAC GF-5 |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |






**TITAN**

| Product name  | Description   | Specifications   | Approvals   | FUCHS Recommendations   |
|---|---|--|---|---|
| <b>Engine Oils for Passenger Cars</b>   |   |  |   |   |
| <b>TITAN SUPERSYN F ECO-DT SAE 5W-30</b>  | Ultra High Performance, extreme fuel-economy engine oil especially suitable for Ford DuraTorq-Diesel engines. Optimum cold starting and lower oil consumption.  | ACEA A5/B5<br>API SL<br>FORD WSS-M2C913-C<br>FORD WSS-M2C913-D | –   | ACEA A1/B1<br>API CF<br>CHRYSLER MS 6395<br>FORD WSS-M2C913-A<br>FORD WSS-M2C913-B<br>IVECO 18-1811 CLASSE S1/S2<br>JAGUAR LAND ROVER<br>STJLR.03.5003<br>JAGUAR M2C913-B<br>RENAULT RN0700 |
|    | 12 x 1 L (Tin), 5 x 4 L (Canister), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN D1 SAE 0W-20</b>  | Ultra High Performance, extreme fuel-economy engine oil, specially developed for GM gasoline engines requiring dexos1™ Gen 2 fluid. Optimum cold starting, lower oil consumption and minimised exhaust emissions. | API SN PLUS RC<br>API SP RC<br>ILSAC GF-6A                     | dexos1™ Gen 3 (D335BDDH075)   | CHRYSLER MS 6395<br>CHRYSLER MS-12145<br>FIAT 9.55535-CR1<br>FIAT 9.55535-GSX<br>FORD WSS-M2C947-A<br>FORD WSS-M2C947-B1<br>FORD WSS-M2C962-A1<br>ILSAC GF-5                                |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN D1 SAE 5W-30</b>  | Ultra High Performance, extreme fuel-economy engine oil, specially developed for gasoline engines requiring dexos1™ Gen 2 fluid. Optimum cold starting, lower oil consumption and minimised exhaust emissions.    | API SN PLUS RC<br>API SP RC<br>ILSAC GF-6A                     | dexos1™ Gen 3 (D335ABDF075)   | FORD WSS-M2C929-A<br>FORD WSS-M2C946-A<br>FORD WSS-M2C946-B1<br>FORD WSS-M2C961-A1<br>FIAT 9.55535-CR1<br>CHRYSLER MS 6395<br>GM 6094M<br>GM 4718M<br>ILSAC GF-5                            |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN D2 SAE 5W-30</b><br><b>NEW</b>                                    | Ultra High Performance, extreme fuel-economy engine oil, specially developed for vehicles requiring dexos2™-fluid. Optimum cold starting, lower oil consumption and minimised exhaust emissions.                  | ACEA C3<br>API SM  | dexos2™ (GB2C0308075)   | GM-LL-A-025<br>GM-LL-B-025  |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN SAE 5W-30</b>   | Ultra High Performance, extreme fuel-economy engine oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.                                    | ACEA A3/B4<br>API SL   | MB-APPROVAL 229.3<br><b>RENAULT RN0700/RN0710</b><br>VW 502 00/505 00 | API CF<br>BMW LONGLIFE-98<br>GM-LL-A-025<br>GM-LL-B-025   |
|  | 12 x 1 L (Tin), 5 x 4 L (Canister), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum)  |  |   |   |
| <b>TITAN SUPERSYN SAE 5W-40</b>   | Ultra High Performance, fuel-economy engine oil for a variety of vehicles with or without extended service intervals. Optimum cold starting and lower oil consumption.  | ACEA A3/B4<br>API SN/SM  | MB-APPROVAL 229.3<br>RENAULT RN0700/RN0710<br>VW 502 00/505 00        | API CF<br>BMW LONGLIFE-98<br>CHRYSLER MS-12991<br>FIAT 9.55535-H2/M2/N2/Z2<br>GM-LL-A-025<br>GM-LL-B-025  |
|  | 12 x 1 L (Tin), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN SUPERSYN SAE 5W-50</b>   | Ultra High Performance, fuel-economy engine oil for passenger cars. Optimum cold starting behaviour and low oil consumption. Highly durable lubricating film and high oil pressure.                               | –  | –   | ACEA A3/B4<br>API SL/CF   |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum), Tank Truck   |  |   |   |

# Engine Oils







| Product name  | Description  | Specifications  | Approvals   | FUCHS Recommendations  |
|---|--|---|---|--|
| <b>Engine Oils for Passenger Cars</b>   |  |   |   |  |
| <b>TITAN SUPERSYN SAE 10W-60</b>  | Ultra High Performance, fuel-economy engine oil for passenger cars. Low oil consumption. Highly durable lubricating film and high oil pressure.  | –   | –   | ACEA A3/B3<br>API SL/CF<br>FIAT 9.55535-H3   |
|    | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum)   |   |   |  |
| <b>TITAN SYN MC SAE 10W-40</b>  | Ultra High Performance, fuel-economy engine oil based on MC-synthesis for a variety of gasoline and diesel engines in passenger cars. Lower oil consumption.   | ACEA A3/B4<br>API SN  | MB-APPROVAL 229.3<br>RENAULT RN0700/RN0710<br>VW 501 01/505 00  | API CF<br>FIAT 9.55535-D2/G2<br>MB 229.1<br>PSA B71 2300   |
|    | 12 x 1 L (Tin), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |   |   |  |
| <b>TITAN FORMULA SAE 15W-40</b>   | High Performance Engine Oil specially for all normally aspirated and turbocharged gasoline and diesel engines in passenger cars operated under normal conditions.  | ACEA A3/B3<br>API SL  | –   | API CG-4<br>FIAT 9.55535-D2/G2<br>MB 229.1<br>PSA B71 2295<br>VW 501 01/505 00   |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 205 L (Drum)   |   |   |  |
| <b>Engine Oils for Passenger Cars and Commercial Vehicles</b>                       |  |   |   |  |
| <b>TITAN UNIMAX ULTRA MC SAE 10W-40</b>   | Ultra High Performance Engine Oil based on MC-synthesis for all commercial vehicles, off-highway equipment and passenger cars. Substantial rationalisation opportunities for mixed fleets. Prolongation of drain intervals possible with many manufacturers. Good cold starting and lower oil consumption.               | ACEA E7, A3/B3,<br>A3/B4<br>API CI-4<br>GLOBAL DHD-1<br>JASO DH-1 | CUMMINS CES 20077/8<br>DETROIT DIESEL 93K215<br>DEUTZ DQC III-10<br>MACK EO-M PLUS<br>MAN M 3275-1<br>MB-APPROVAL 228.3<br>MB-APPROVAL 235.27<br>MTU DDC TYPE 2<br>RENAULT RLD/RLD-2<br>VOITH-RETARDER „A“<br>VOLVO VDS-3 | ALLISON C-4<br>CAT ECF-2<br>CUMMINS CES 20071/2/6<br>MB 229.1<br>VW 500 00/501 01/<br>505 00   |
|  | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck   |   |   |  |
| <b>TITAN UNIMAX PLUS MC SAE 10W-40</b>  | Ultra High Performance, fuel-economy engine oil based on MC-synthesis for all commercial vehicles, off-highway equipment and passenger cars. Substantial rationalisation opportunities for mixed fleets. Prolongation of drain intervals possible with some manufacturers. Good cold starting and lower oil consumption. | ACEA E7, A3/B3<br>API CH-4  | DEUTZ DQC II-10<br>MAN M 3275-1<br>MB-APPROVAL 228.3<br>MB-APPROVAL 235.27<br>MTU DDC TYPE 2<br>RENAULT RD/RD-2<br>VOITH-RETARDER „A“<br>VOLVO VDS-2  | ALLISON C-4<br>CUMMINS CES 20071/2/6/7<br>MACK EO-M PLUS<br>MB 229.1   |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck   |   |   |  |
| <b>TITAN UNIVERSAL HD SAE 15W-40</b>  | High Performance Engine Oil for mixed fleets operated under normal conditions. Good performance in normally aspirated and turbocharged diesel engines.   | ACEA A3/B3<br>API SL  | DEUTZ DQC I-02<br>MTU DDC TYPE 2  | ACEA E2<br>API CG-4/CF<br>MB 229.1<br>MIL-L-2104 E<br>ALLISON C-4<br>CASE MS 1120<br>MACK EO-L<br>MAN 271<br>NH 330G<br>STEYR A-202<br>VOLVO VDS<br>VW 501 01/505 00 |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 25 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |   |   |  |

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| Product name  | Description  | Specifications   | Approvals  | FUCHS Recommendations  |
|---|--|--|--|--|
| <b>Engine Oils for Commercial Vehicles</b>  |  |  |  |  |
| <b>TITAN CARGO MAXX II SAE 5W-30</b><br><br><br><b>NEW</b> | Premium MAXX Performance Engine Oil with new XTL®-Technology. Specially developed for vehicles with modern exhaust after treatment and turbocharger. Optimum cold starting properties and ageing stability for extreme fuel-economy over the whole drain-interval. | <b>ACEA E11, E9, E8, E7, E6, E4</b><br>API CK-4/CJ-4<br>CAT ECF-3<br>JASO DH-1/DH-2/DL-0 | CUMMINS CES 20081<br>CUMMINS CES 20086<br>DEUTZ DQC IV-18 LA<br>MACK EOS-4.5<br>MAN M 3677<br>MAN M 3775<br>MAN M 3777<br>MB-APPROVAL 228.31<br>MB-APPROVAL 228.51<br>MB-APPROVAL 228.52<br>MTU DDC TYPE 2.1<br>MTU DDC TYPE 3.1<br>RENAULT RLD-3<br>SCANIA LDF-4<br>VOLVO VDS-4.5 | DETROIT DIESEL 93K218<br>DETROIT DIESEL 93K222<br>IVECO 18-1804 CLASSE TLS E6<br><b>LH-00-ENG LA</b><br>MAN M 3271-1<br>MAN M 3477<br>MAN M 3575<br>RENAULT RLD-4<br>SCANIA LA |
|    | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |  |  |  |
| <b>TITAN CARGO MAXX SAE 10W-30</b>  | Premium MAXX Performance Engine Oil specially developed for vehicles with modern exhaust after treatment and turbocharger. Good cold starting properties and excellent ageing stability for fuel-economy over the whole drain-interval.                            | ACEA E9, E7, E6<br>API CK-4/SN<br>CAT ECF-3  | DEUTZ DQC IV-18 LA<br>MACK EOS-4.5<br>MAN M 3677<br>MB-APPROVAL 228.31<br>MB-APPROVAL 228.51<br>MTU DDC TYPE 3.1<br>RENAULT RLD-3<br>SCANIA LA<br>VOLVO VDS-4.5  | CUMMINS CES 20086<br>DETROIT DIESEL 93K218<br>DETROIT DIESEL 93K222<br>JASO DH-2<br>MAN M 3477<br>RENAULT RLD-4  |
|    | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |  |  |









## Engine Oils

| Product name   | Description   | Specifications   | Approvals   | FUCHS Recommendations   |
|--|---|--|---|---|
| <b>Engine Oils for Commercial Vehicles</b>   |   |  |   |   |
| <b>TITAN CARGO MAXX II SAE 10W-40</b><br><br><br><b>NEW</b> | Premium MAXX Performance Engine Oil with new XTL®-Technology. Specially developed for vehicles with modern exhaust after treatment and turbocharger. Good cold starting properties and ageing stability for fuel-economy over the whole drain-interval. | <b>ACEA E11, E9, E8, E7, E6, E4</b><br>API CK-4/CJ-4<br>CAT ECF-3<br>JASO DH-1/DL-0<br>JASO DH-2 | CUMMINS CES 20081<br>CUMMINS CES 20086<br>DEUTZ DQC IV-18 LA<br>MACK EOS-4.5<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MB-APPROVAL 228.51<br>MB-APPROVAL 228.52<br>MTU DDC TYPE 2.1<br>MTU DDC TYPE 3.1<br>RENAULT RLD-3<br>SCANIA LA<br>VOLVO VDS-4.5 | DETROIT DIESEL 93K218<br>DETROIT DIESEL 93K222<br>IVECO 18-1804 CLASSE TLS E9<br>IVECO 18-1809 CLASSE NG2<br><b>LH-00-ENG LA</b><br>MAN M 3271-1<br>MAN M 3477<br>MAN M 3575<br>RENAULT RLD-4<br>VOITH-RETARDER „B“ |
|   | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |   |   |
| <b>TITAN CARGO FLEX LD SAE 5W-30</b><br><br><b>NEW</b>   | Premium Performance, extreme fuel-economy engine oil, specially developed for commercial vehicles with modern exhaust after treatment systems and turbocharger. Offers good cold starting and lower oil consumption.                                    | ACEA E9, E7, E6<br>API CK-4/SN<br>CAT ECF-3<br>JASO DH-2   | DEUTZ DQC IV-18 LA<br>FORD WSS-M2C213-A1<br>MACK EOS-4.5<br>MAN M 3677<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MB-APPROVAL 228.51<br>MTU DDC TYPE 3.1<br>RENAULT RLD-3<br>SCANIA LDF-4<br>VOLVO VDS 4.5  | CUMMINS CES 20086<br>DETROIT DIESEL 93K222<br>IVECO 18-1804 TLS E9<br>MAN M 3271-1/3477/3575<br>RENAULT RLD-4   |
|   | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |  |   |   |
| <b>TITAN CARGO FLEX LD SAE 10W-40</b><br><br><b>NEW</b>  | Premium Performance, extreme fuel-economy engine oil, specially developed for commercial vehicles with modern exhaust after treatment systems and turbocharger. Offers good cold starting and lower oil consumption.                                    | ACEA E9, E7, E6<br>API CK-4/SN<br>CAT ECF-3<br>JASO DH-2   | DEUTZ DQC IV-18 LA<br>MACK EOS-4.5<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MB-APPROVAL 228.51<br>MTU DDC TYPE 3.1<br>RENAULT RLD-3<br>VOLVO VDS 4.5  | CUMMINS CES 20086<br>DETROIT DIESEL 93K222<br>IVECO 18-1804 TLS E9<br>MAN M 3477/3575<br>RENAULT RLD-4<br>SCANIA LA   |
|   | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |  |   |   |
| <b>TITAN CARGO SL SAE 5W-30</b>  | Premium Performance, extreme fuel-economy engine oil for a variety of commercial vehicle diesel engines, with optimum cold starting and lower oil consumption. Specially developed for extended service intervals.                                      | ACEA E7, E4<br>FORD WSS-M2C212-A1  | DEUTZ DQC IV-18<br>MACK EO-N<br>MAN M 3277<br>MB-APPROVAL 228.5<br>MB-APPROVAL 235.28<br>MTU DDC TYPE 3<br>RENAULT RXD/RLD-2<br>SCANIA LDF-3<br>VOITH-RETARDER „B“<br>VOLVO VDS-3   | CUMMINS CES 20077<br>IVECO 18-1804 CLASSE TFE<br>SCANIA LDF-2   |
|   | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |  |   |   |
| <b>TITAN CARGO FLEX K-4 SAE 5W-30</b><br><br><b>NEW</b>  | Premium Performance, extreme fuel-economy engine oil, specially developed for commercial vehicles with modern exhaust after treatment systems and turbocharger. Offers good cold starting and lower oil consumption.                                    | ACEA E9, E7, E6<br>API CK-4<br>CAT ECF-3<br><b>JASO DH-2</b>                                     | DEUTZ DQC IV-18 LA<br>MACK EOS-4.5<br>MB-APPROVAL 228.51<br>RENAULT RLD-3<br>VOLVO VDS 4.5  | CUMMINS CES 20086<br>DETROIT DIESEL 93K222<br>IVECO 18-1804 TLS E9  |
|   | 20 L (Canister), 205 L (Drum), Tank Truck   |  |   |   |

**TITAN**

| Product name  | Description   | Specifications                                       | Approvals  | FUCHS Recommendations  |
|---|---|--|--|--|
| <b>Engine Oils for Commercial Vehicles</b>  |   |  |  |  |
| <b>TITAN CARGO LA SAE 10W-40</b>  | Premium Performance, fuel-economy engine oil, specially developed for commercial vehicles with modern exhaust after treatment systems and turbocharger. Offers good cold starting and lower oil consumption.                                    | ACEA E9, E7, E6<br>API CI-4<br>JASO DH-2             | DEUTZ DQC IV-18 LA<br>MACK EO-N<br>MAN M 3271-3<br>MB-APPROVAL 228.51<br>MTU DDC TYPE 3.1<br>RENAULT RLD-2/RXD/RGD<br>VOLVO VDS-3                                  | CUMMINS CES 20076/7<br>MAN M 3271-1<br>MAN M 3477  |
|    | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |  |  |
| <b>TITAN CARGO PRO 228.61 SAE 5W-30</b>   | Premium Performance, extreme fuel-economy engine oil. Specially developed for Mercedes Benz commercial vehicles with modern exhaust after treatment systems. Suitable for Euro VI engines. Offers good cold starting and lower oil consumption. | API FA-4   | MB-APPROVAL 228.61   | CUMMINS CES 20087<br>DETROIT DIESEL 93K223<br>FORD WSS-M2C214-B1<br>MACK EOS-5<br>RENAULT RLD-5<br>VOLVO VDS-5 |
|    | 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |  |  |
| <b>TITAN CARGO PRO 3977 SAE 5W-20</b>   | Premium Performance, extremely fuel-economy engine oil. Specially developed for MAN Euro VI-d commercial vehicle engines with modern exhaust after treatment systems. Offers good cold starting properties and lower oil consumption.           | –  | MAN M 3977   | –  |
|  | 205 L (Drum)  |  |  |  |
| <b>TITAN CARGO PRO 3677 SAE 5W-30</b>   | Premium Performance, extreme fuel-economy engine oil. Specially developed for MAN vehicles with modern exhaust after treatment systems. Suitable for Euro VI engines. Offers good cold starting and lower oil consumption.                      | –  | MAN M 3677   | –  |
|  | 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |  |  |
| <b>TITAN CARGO LD4 SAE 5W-30</b>  | Premium Performance, fuel-economy engine oil for use in Scania Euro VI vehicles. Specially developed for extended service intervals.  | –  | SCANIA LDF-4   | –  |
|  | 20 L (Canister), 205 L (Drum), Tank Truck   |  |  |  |
| <b>TITAN CARGO LD3 SAE 10W-40</b>   | Premium Performance, fuel-economy engine oil for use in Scania Euro VI vehicles. Specially developed for extended service intervals.  | ACEA E7, E4  | MACK EO-N<br>MAN M 3277<br>MB-APPROVAL 228.5<br>RENAULT RLD-2<br>SCANIA LDF-3<br>VOLVO VDS-3   | API CF<br>SCANIA LDF-2   |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |  |  |  |
| <b>TITAN CARGO MC SAE 10W-40</b>  | Premium Performance, fuel-economy engine oil based on MC-synthesis for a variety of commercial vehicle diesel engines. Specially developed for extended service intervals. Good cold starting and lower oil consumption.                        | ACEA E7, E4<br>API CI-4<br>GLOBAL DHD-1<br>JASO DH-1 | CUMMINS CES 20077/8<br>DETROIT DIESEL 93K215<br>DEUTZ DQC III-18<br>MACK EO-N<br>MAN M 3277<br>MB-APPROVAL 228.5<br>MTU DDC TYPE 3<br>RENAULT RLD-2<br>VOLVO VDS-3 | ALLISON C-4<br><b>FORD WSS-M2C944-A</b><br>IVECO 18-1804<br>SDFG OM-1901A                                      |
|  | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |  |  |

# Engine Oils

| Product name  | Description  | Specifications  | Approvals   | FUCHS Recommendations   |
|---|--|---|---|---|
| <b>Engine Oils for Commercial Vehicles</b>  |  |   |   |   |
| <b>TITAN CARGO SAE 5W-40</b>  | Premium Performance, fuel-economy engine oil, specially developed for commercial vehicle diesel engines with extended service intervals, exhaust after treatment and turbocharger.                           | ACEA E9, E7<br>API CK-4/CJ-4/SN<br>CAT ECF-3                | CUMMINS CES 20086<br>DEUTZ DQC III-18 LA<br>FORD M2C171-F1<br>MACK EOS-4.5<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MTU DDC TYPE 2.1<br>RENAULT RLD-3<br>VOLVO VDS-4.5  | DETROIT DIESEL 93K222<br>MAN M 3575<br>RENAULT RLD-4  |
|    | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck   |   |   |   |
| <b>TITAN CARGO SAE 10W-30</b>   | Premium Performance, fuel-economy engine oil, specially developed for commercial vehicle diesel engines with extended service intervals, exhaust after treatment and turbocharger.                           | ACEA E9, E7<br>API CK-4/CJ-4<br>CAT ECF-3<br>JASO DH-2      | CUMMINS CES 20086<br>DEUTZ DQC III-18 LA<br>FORD M2C171-F1<br>MACK EOS-4.5<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MTU DDC TYPE 2.1<br>RENAULT RLD-3<br>VOLVO VDS-4.5  | DETROIT DIESEL 93K222<br>MAN M 3575<br>RENAULT RLD-4  |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck   |   |   |   |
| <b>TITAN CARGO SAE 10W-40</b>   | Premium Performance, fuel-economy engine oil, specially developed for commercial vehicle diesel engines with extended service intervals, exhaust after treatment and turbocharger.                           | ACEA E9, E7<br>API CK-4/CJ-4/SN<br>CAT ECF-3<br>JASO DH-2   | DEUTZ DQC III-18 LA<br>MACK EOS-4.5<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MTU DDC TYPE 2.1<br>RENAULT RLD-3<br>VOLVO VDS-4.5   | CUMMINS CES 20086<br><b>CNH MAT 3571</b><br>DETROIT DIESEL 93K222<br>MAN M 3575<br>RENAULT RLD-4                        |
|  | 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum)  |   |   |   |
| <b>TITAN CARGO SAE 15W-40</b>   | Premium Performance, fuel-economy engine oil for a variety of commercial vehicle diesel engines. Specially developed for vehicles with extended service intervals, exhaust after treatment and turbocharger. | ACEA E9, E7<br>API CK-4/CJ-4/SN<br>CAT ECF-3<br>JASO DH-2   | ALLISON TES-439 (439-34862020)<br>CUMMINS CES 20086<br>DETROIT DIESEL 93K222<br>DEUTZ DQC III-18 LA<br>FORD M2C171-F1<br>MACK EOS-4.5<br>MAN M 3775<br>MB-APPROVAL 228.31<br>MTU DDC TYPE 2.1<br>RENAULT RLD-3<br>VOLVO VDS-4.5 | MAN M 3575<br>RENAULT RLD-4   |
|  | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |   |   |   |
| <b>TITAN TRUCK PLUS SAE 15W-40</b>  | Ultra High Performance Engine Oil for a variety of diesel and gasoline engines. Specially for highly-loaded commercial vehicle diesel engines. Lower oil consumption.  | ACEA E7<br>API CI-4/SL<br>GLOBAL DHD-1<br>CAT ECF-1-a/ECF-2 | CUMMINS CES 20076/7/8<br>DETROIT DIESEL 93K215<br>DEUTZ DQC III-18<br>MACK EO-N<br>MB-APPROVAL 228.3<br>MTU DDC TYPE 2<br>RENAULT RLD/RLD-2<br>VOLVO VDS-3  | ALLISON C-4<br>CAT TO-2<br>CASE MS 1121<br>CUMMINS CES 20071/2<br>IVECO 18-1804 CLASSE T2 E7<br>MAN M 3275-1<br>NH 330H |
|  | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |   |   |   |
| <b>TITAN TRUCK PLUS SAE 20W-50</b>  | Ultra High Performance Engine Oil for a variety of diesel and gasoline engines. Specially for highly-loaded commercial vehicle diesel engines. Lower oil consumption.  | ACEA E7<br>API CI-4/SL<br>GLOBAL DHD-1<br>CAT ECF-1-a/ECF-2 | MB-APPROVAL 228.3   | MAN M 3275-1  |
|  | 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum)  |   |   |   |




Performance upgrades in Specifications, Approvals and FUCHS Recommendations are highlighted in bold.

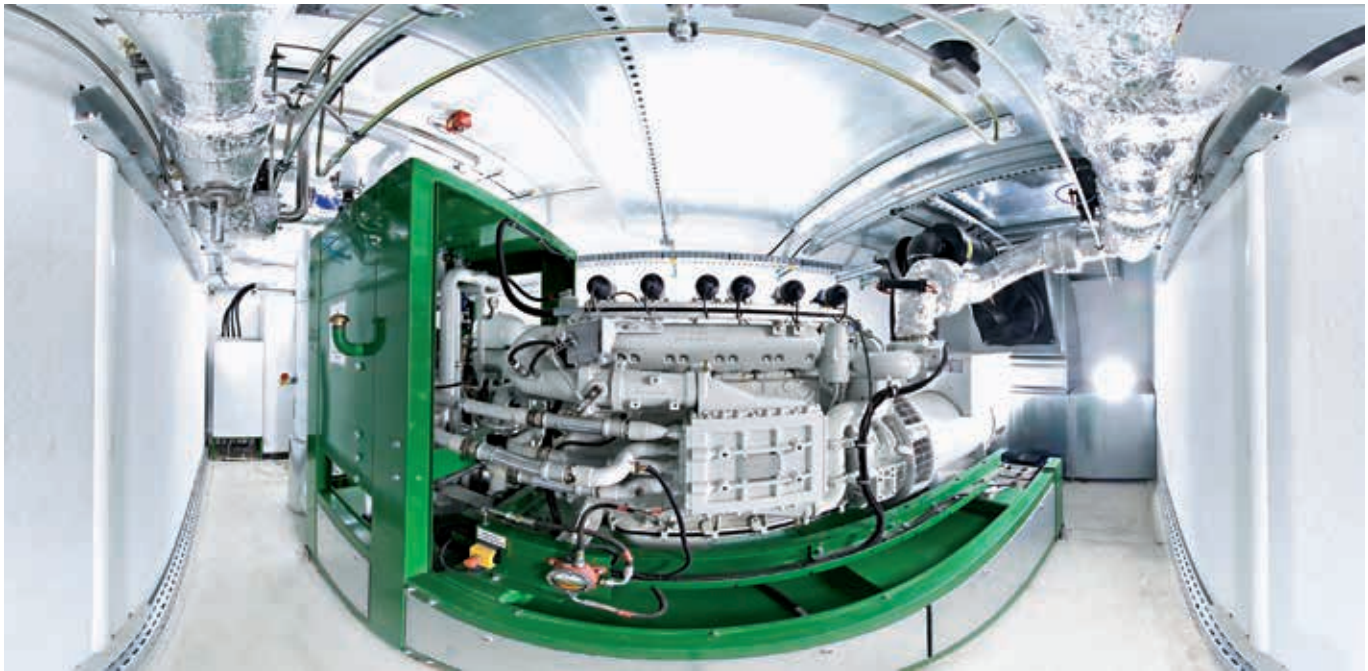





**TITAN**

| Product name  | Description   | Specifications | Approvals   | FUCHS Recommendations  |
|---|---|----------------|---|--|
| <b>Monograde Engine Oils for Construction Machinery</b> |   |                |   |  |
| <b>TITAN UNIVERSAL HD SAE 10W</b>                       | High Performance Monograde Engine Oil for gasoline and diesel engines. Specially developed for off-road vehicles. Depending upon manufacturer regulation also in other aggregates applicable. | –              | ZF TE-ML 03B (ZF002013)                                     | ACEA E2<br>API CF-4/SG<br>MAN 270<br>MIL-L-2104 D<br>ALLISON C-4<br>CAT TO-2<br>MB 228.0<br>ZF TE-ML 02C |
|   | 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                |   |  |
| <b>TITAN UNIVERSAL HD SAE 20W-20</b>                    | High Performance Monograde Engine Oil for gasoline and diesel engines. Specially developed for off-road vehicles. Depending upon manufacturer regulation also in other aggregates applicable. | –              | MB-APPROVAL 235.27<br>VOITH-RETARDER „A“                    | ACEA E2<br>API CF-4/SG<br>MIL-L-2104 D<br>ALLISON C-4<br>CAT TO-2<br>MAN 270<br>MB 228.0<br>ZF TE-ML 02C |
|   | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)   |                |   |  |
| <b>TITAN UNIVERSAL HD SAE 30</b>                        | High Performance Monograde Engine Oil for gasoline and diesel engines. Specially developed for off-road vehicles. Depending upon manufacturer regulation also in other aggregates applicable. | –              | DEUTZ DQC I-02<br>MTU DDC TYPE 2<br>ZF TE-ML 04B (ZF001189) | ACEA E2<br>API CF-4/SG<br>MIL-L-2104 D<br>ALLISON C-4<br>CAT TO-2<br>MAN 270<br>MB 228.2<br>ZF TE-ML 02C |
|   | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                |   |  |

## Engine Oils














| Product name  | Description   | Specifications | Approvals   | FUCHS Recommendations  |
|---|---|----------------|---|--|
| <b>Monograde Engine Oils for Construction Machinery</b>                             |   |                |   |  |
| <b>TITAN UNIVERSAL HD SAE 40</b>  | High Performance Monograde Engine Oil for gasoline and diesel engines. Specially developed for off-road vehicles. Depending upon manufacturer regulation also in other aggregates applicable. | –              | DEUTZ DQC I-02<br>MTU DDC TYPE 2<br>ZF TE-ML 04B (ZF001190) | ACEA E2<br>API CF-2/CF-4/SG<br>MB 228.2<br>MB 235.12<br>MIL-L-2104 D<br>ALLISON C-4<br>CAT TO-2<br>MAN 270<br>ZF TE-ML 02C |
|    | 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                |   |  |
| <b>TITAN UNIVERSAL HD SAE 50</b>  | High Performance Monograde Engine Oil for gasoline and diesel engines. Specially developed for off-road vehicles. Depending upon manufacturer regulation also in other aggregates applicable. | –              | DEUTZ DQC I-02<br>MAN M 3275-2                              | ACEA E2<br>API CF-4/SG<br>MIL-L-2104 D<br>ALLISON C-4<br>CAT TO-2<br>MB 228.0<br>ZF TE-ML 02C                              |
|   | 20 L (Canister), 205 L (Drum)   |                |   |  |
| <b>TITAN UNIVERSAL HD SAE 30 MTU</b>  | High Performance dedicated break in engine oil for MTU diesel and gas engines, developed to improve operating characteristics with enhanced corrosion protection.                             | –              | MTU DDC TYPE 2  | –  |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                |   |  |

**TITAN**




| Product name  | Description   | Specifications | Approvals  | FUCHS Recommendations   |
|---|---|----------------|--|-------------------------|
| <b>Gas Engine Oils for Stationary Gas Engines</b>                                   |   |                |  |                         |
| <b>TITAN GANYMET ULTRA</b>  | Premium Performance Engine Oil, zinc-free, for stationary gas engines.    | –              | 2G TA-003 agenitor series 2,3<br>AGROGEN<br>CATERPILLAR TR 0199-99-12105<br>INNIO JENBACHER TA 1000-1109<br>- A, CAT: series 2, 3, 4 (A, B), 6 (C, E)<br>- B, CAT: series 2, 3, 4 (A, B), 6 (C, E)<br>MAN M 3271-4<br>MTU Onsite Energy Series 400 (E, P, B with SRK),<br>Series 4000 (L32FB, L62FB)<br>MWM TR 0199-99-2105<br>SEVA TRS-07<br>SPANNER RE <sup>2</sup><br>TEDOM 61-0-0281.1/L, B, S | –                       |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck                  |                |  |                         |
| <b>TITAN GANYMET ULTRA LA</b>   | Premium Performance Engine Oil for stationary gas engines.                | –              | <b>DEUTZ TR 0199-99-01213</b><br>INNIO JENBACHER TA 1000-1109<br>- A: series 2, 3, 4 (all versions), 6 (all versions incl. Steel piston gas engines versions F und J (J624))<br><b>Bergen Engines B36:45, B35:40, C26:33 and K-series</b>  | CATERPILLAR Series 3500 |
|  | 205 L (Drum), 1.000 L (IBC), Tank Truck                                   |                |  |                         |
| <b>TITAN GANYMET PLUS</b>   | Ultra High Performance Engine Oil, zinc-free, for stationary gas engines. | –              | CATERPILLAR TR 0199-99-12105<br>DREYER & BOSSE<br>INNIO JENBACHER TA 1000-1109 - B: series 2, 3<br>MTU Onsite Energy Series 400 (B)<br>MWM TR 0199-99-2105<br>SEVA TRS-07  | –                       |
|  | 205 L (Drum), 1.000 L (IBC), Tank Truck                                   |                |  |                         |



# Engine Oils

| Product name  | Description  | Specifications | Approvals   | FUCHS Recommendations              |
|---|--|----------------|---|------------------------------------|
| <b>Gas Engine Oils for Stationary Gas Engines</b>   |  |                |   |                                    |
| <b>TITAN GANYMET PLUS LA</b>  | Ultra High Performance Engine Oil with low sulphated ash content, zinc-free, for stationary gas engines. | –              | CATERPILLAR TR 0199-99-12105<br>DEUTZ TR 0199-99-01213<br>MWM TR 0199-99-2105<br>SEVA TRS-07<br>TEDOM 61-0-0281.1/G, P  | CATERPILLAR<br>CUMMINS<br>WAUKESHA |
|     | 205 L (Drum), Tank Truck   |                |   |                                    |
| <b>TITAN GANYMET PRO MA</b>   | Ultra High Performance Engine Oil for stationary gas engines.  | –              | CATERPILLAR TR 0199-99-12105<br>INNIO JENBACHER TA 1000-1109<br>- B, C: series 2, 3, 4 (A, B), 6 (C, E)<br>MAN M 3271-4<br>MAN M 3271-5<br>MWM TR 0199-99-2105  | CATERPILLAR<br>(special gas)       |
|     | 205 L (Drum), Tank Truck   |                |   |                                    |
| <b>TITAN GANYMET PRO LA</b>   | Ultra High Performance Engine Oil with low sulphated ash content for stationary gas engines.             | –              | CATERPILLAR TR 0199-99-12105<br>INNIO JENBACHER TA 1000-1109<br>- A, B: series 2, 3, 4 (A, B), 6 (C, E)<br>MAN M 3271-2<br>MWM TR 0199-99-2105<br>ROLLS-ROYCE BERGEN B35:40, C26:33,<br>K-G1, -G2, -G3, -G4<br>WÄRTSILÄ GAS ENGINES 20DF, 31DF, 32DF, 34DF,<br>46DF, 50DF, 25SG, 28SG, 31SG, 34SG, 50SG,<br>34LPG, 175SG, 220SG | CATERPILLAR<br>CUMMINS<br>WAUKESHA |
|    | 205 L (Drum), 1.000 L (IBC), Tank Truck  |                |   |                                    |
| <b>TITAN GANYMET</b>  | High Performance Engine Oil for stationary gas engines.  | –              | ASJA AMBIENTE ITALIA<br>INNIO JENBACHER TA 1000-1109 - C: series 2, 3<br>MAN M 3271-4<br>MTU Onsite Energy Series 400 (B)<br>SEVA TRS-07  | –                                  |
|    | 205 L (Drum), 1.000 L (IBC), Tank Truck  |                |   |                                    |
| <b>TITAN GANYMET LA</b>   | High Performance Engine Oil with low sulphated ash content for stationary gas engines.                   | –              | CATERPILLAR TR 0199-99-12105<br>DEUTZ TR 0199-99-01213<br>INNIO JENBACHER TA 1000-1109<br>- A, CAT: series 2, 3, 4 (A, B), 6 (C, E)<br>MAN M 3271-2<br>MTU Onsite Energy Series 400 (E, P),<br>Series 4000 (L61, L62, L63)<br>MWM TR 0199-99-2105<br>SEVA TRS-07  | CATERPILLAR<br>CUMMINS<br>WAUKESHA |
|    | 205 L (Drum), 1.000 L (IBC), Tank Truck  |                |   |                                    |

**TITAN**

| Product name  | Description   | Specifications                 | Approvals | FUCHS Recommendations |
|---|---|--------------------------------|-----------|-----------------------|
| <b>2-Stroke Engine Oils</b>   |   |                                |           |                       |
| <b>TITAN 2T 100S</b>  | Premium Performance two-stroke engine oil for Autolube and Premix systems formulated with fully synthetic base oils.<br>Product dyeing: blue. | API TC<br>JASO FD<br>ISO L-EGD | –         | TISI                  |
|  | 12 x 1 L (Tin), 20 L (Canister), 1.000 L (IBC)  |                                |           |                       |
| <b>TITAN 2T S</b>   | Ultra High Performance two-stroke engine oil. Mixes rapidly. Suitable for Autolube as well as Premix systems.<br>Product dyeing: blue.        | API TC<br>JASO FC<br>ISO L-EGC | –         | –                     |
|  | 12 x 1 L (Tin), 20 L (Canister)   |                                |           |                       |
| <b>TITAN 2T M</b>   | High Performance two-stroke engine oil. Mixes rapidly. Suitable for Autolube as well as Premix systems.<br>Product dyeing: blue.              | API TC                         | –         | –                     |
|  | 12 x 1 L (Tin)  |                                |           |                       |



# TRANSMISSION FLUIDS

Modern passenger car transmissions require modern high-performance lubricants for smooth operation over the entire service life, which protect the transmission from wear and tear and significantly improve the shifting comfort. The extension of the change intervals up to a lifetime filling also increases the demands on the quality of the oils.

As a long-standing development partner of the world's leading transmission manufacturers, we offer you the latest approvals and specifications.

Place your trust in quality and reliability. Place your trust in FUCHS





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## Transmission Fluids

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## Transmission Fluids





| Product name  | Description  | Specifications | Approvals   | FUCHS Recommendations   |
|---|--|----------------|---|---|
| <b>Axle Gear Oils and Manual Transmission Fluids for Passenger Cars</b>   |  |                |   |   |
| <b>TITAN SINTOFLUID FE SAE 75W</b><br><br>                     | Premium Performance Manual Transmission Fluid offering increased efficiency in passenger cars due to its low viscosity and can also be used in reducer gear-boxes of hybrid vehicles. Reduces fuel consumption and offers best properties at low temperature. Suitable as fill for life fluid according to manufacturer. | API GL-4       | <b>MB-APPROVAL 235.17</b>   | <b>FORD WSS-M2C200-D2</b><br>VW G 055 512<br>VW TL 521 71 (G 052 171 A1/A2)<br>VW TL 521 78 (G 052 178 A2)<br>VW TL 525 12 (G 052 512 A2)<br>VW TL 525 27 (G 052 527 A2)<br>VW TL 726 (G 052 726 A2/<br>G 055 726 A2/ G 060 726 A2/<br>G 070 726 A2)<br>MB 235.73   |
|    | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)  |                |   |   |
| <b>TITAN SINTOFLUID SAE 75W-80</b>  | Premium Performance Manual Transmission Fluid for passenger cars. Offering good gearbox efficiency. Suitable as fill for life fluid according to manufacturer.   | API GL-4       | –   | BMW 83 22 0 309 031<br>BMW 83 22 0 403 247<br>BMW 83 22 2 339 219<br>BMW 83 22 7 533 818<br>BMW 2300 1434 404<br>BMW 2300 7533 513<br>BMW 2300 7533 818<br>FORD WSS-M2C200 C3<br>OPEL 19 40 182<br>OPEL 19 40 757<br>OPEL 19 40 768<br>OPEL 19 40 776<br>VOLVO 97308<br>VW 501 50 (G 005 000 05/<br>G 005 000/G 005 000 20/<br>G 052 911 A1/A2) |
|    | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)  |                |   |   |
| <b>TITAN SINTOPOID FE SAE 75W-85</b><br><br>                 | Premium Performance fuel-economy passenger car axle fluid offering increased gearbox efficiency in passenger cars due to low viscosity level. Reduces fuel consumption and offers best properties at low temperature. Suitable as fill for life fluid according to manufacturer.   | API GL-5       | <b>MB-APPROVAL 235.7</b><br><b>MB-APPROVAL 235.74</b><br><b>MB-APPROVAL 239.72</b><br><b>ZF TE-ML 18 (ZF002195)</b> | <b>MB 239.71</b><br>VW TL 521 45-X (G 052 145 A1)<br>VW TL 521 90 (G 052 190 A2/<br>G 055 190 A2)   |
|    | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)  |                |   |   |
| <b>TITAN SINTOPOID 4218 SAE 70W-80</b><br><br><br><b>NEW</b> | Premium Performance Axle Gear Oil for hybrid and non-hybrid passenger cars incl. high-offset hypoid drives offering good gearbox efficiency. Suitable as fill for life fluid according to the manufacturer.  | API GL-5       | <b>BMW G3</b><br><b>(BMW 83 22 2 413 512)</b><br><b>BMW 83 22 2 460 180</b><br><b>BMW 83 22 2 471 423</b>           | –   |
|    | 12 x 1 L (Tin)   |                |   |   |
| <b>TITAN SINTOPOID SAE 75W-90</b>   | Premium Performance Axle Gear Oil for passenger cars, also for high-offset hypoid drives offering good gearbox efficiency. Suitable as fill for life fluid according to manufacturer.  | API GL-5       | –   | MIL-L-2105 D<br>VW TL 521 45-Y<br>(G 052 145 A2)  |
|    | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum)   |                |   |   |

**TITAN**







| Product name  | Description   | Specifications               | Approvals   | FUCHS Recommendations   |
|---|---|------------------------------|---|---|
| <b>Axle Gear Oils and Manual Transmission Fluids for Passenger Cars</b>                         |   |                              |   |   |
| <b>TITAN SINTOPOID LS SAE 75W-90</b>  | Premium Performance, fully-synthetic multi-functional gear oil, formulated with fully-synthetic base oils. Suitable for axles and transfer gear-boxes with or without self-locking differentials and also as trouble shooter for conventional manual transmissions. | API GL-4/-5/5 incl. LS       | –   | FORD WSS-M2C200-C/C2<br>VW G50/G51  |
|   | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)   |                              |   |   |
| <b>TITAN SINTOPOID LS SAE 75W-140</b>   | Premium Performance Gear Oil for axle and transfer gearboxes, formulated with fully-synthetic base oils. Suitable for axle and transfer gearboxes with and without limited slip differential.   | API GL-5                     | –   | BMW 83 22 2 282 583<br>BMW 83 22 9 407 870<br>CHRYSLER MS-8985<br>FORD WSL-M2C192-A<br>GM 12346140<br>JOHN DEERE JDM J11G<br>SCANIA STO 1:0   |
|   | 12 x 1 L (Tin), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)  |                              |   |   |
| <b>Axle Gear Oils and Manual Transmission Fluids for Passenger Cars and Commercial Vehicles</b> |   |                              |   |   |
| <b>TITAN SUPERGEAR MC SAE 80W-90</b>  | Ultra High Performance Gear Oil based on MC-Synthesis for extended oil change intervals.  | API GL-4/GL-5                | EvoBus 26.000-032<br>EvoBus 26.000-034<br>MAN 341 TYPE Z2<br>MAN 342 TYPE M2<br>MB-APPROVAL 235.0<br>SCANIA STO 1:0<br>SCANIA STO 1:1 G<br>ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A (ZF000722) | <b>API MT-1</b><br>CASE MS 1316<br>FORD WSP-M2C197-A<br>JOHN DEERE JDM J11E<br>MAN M 3343 TYPE M<br>MAN 341 TYPE E2<br>NH 520A<br>SDFG OP 1705<br>STEYR B-101<br>VOLVO 97310<br>ZF TE-ML 07, 08 |
|   | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                              |   |   |
| <b>TITAN SUPERGEAR MC SAE 80W-140</b>   | Ultra High Performance Gear Oil based on MC-Synthesis for extended oil change intervals.  | –                            | SCANIA STO 1:0<br>ZF TE-ML 05A, 12M, 16C, 21A (ZF006028)  | <b>API GL-4/GL-5</b><br><b>API MT-1</b><br>JOHN DEERE JDM J11E<br>OPEL 19 42 386<br>RENAULT VI<br>VOLVO 97310<br>ZF TE-ML 08  |
|   | 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                              |   |   |
| <b>TITAN SUPERGEAR SAE 80W-90</b>   | Ultra High Performance Gear Oil for extended oil change intervals.  | API GL-4/GL-5                | EvoBus 26.000-025<br>MAN 342 TYPE M2<br>ZF TE-ML 05A, 12E, 17B, 19B, 21A (ZF000647)   | MIL-L-2105 D<br>VOLVO 97310<br>NH 520A<br>STEYR B-101   |
|   | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                              |   |   |
| <b>TITAN SUPERGEAR SAE 85W-140</b>  | Ultra High Performance Gear Oil for extended oil change intervals.  | API GL-4/GL-5                | EvoBus 26.000-025<br>ZF TE-ML 05A, 12E, 16D, 21A (ZF000650)   | MIL-L-2105 D<br>VOLVO 97310   |
|   | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                              |   |   |
| <b>TITAN SUPERGEAR LS SAE 80W-90</b>  | High Performance LS (Limited Slip) hypoid gear oil for axles with or without limited slip differentials.  | API GL-5<br>SAE J306: 80W-90 | ZF TE-ML 05N, 21N (ZF008289)  | MIL-L-2105 D<br>FORD M2C104-A<br>JOHN DEERE JDM J11F<br>NH 520B<br>VOLVO 97310  |
| <b>NEW</b><br>  | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                              |   |   |









## Transmission Fluids

| Product name  | Description  | Specifications               | Approvals  | FUCHS Recommendations  |
|---|--|------------------------------|--|--|
| <b>Axle Gear Oils and Manual Transmission Fluids for Passenger Cars and Commercial Vehicles</b> |  |                              |  |  |
| <b>TITAN GEAR LS SAE 90</b>   | High Performance LS (Limited Slip) hypoid gear oil for axles with or without limited slip differentials.   | API GL-5<br>SAE J306: 85W-90 | ZF TE-ML 05C, 16E, 21C<br>(ZF000651)                           | MIL-L-2105 D<br>FORD M2C104-A<br>JOHN DEERE JDM J11F<br>NH 520B<br>VOLVO 97310<br>ZF TE-ML 12C                                 |
|                | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                              |  |  |
| <b>TITAN GEAR MP SAE 80</b>   | High Performance Gear Oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars. | API GL-4                     | MB-APPROVAL 235.1<br>ZF TE-ML 17A (ZF000654)                   | BMW MTF 1<br>(BMW 81 22 2 339 384)<br>BMW 81 22 9 407 052<br>BMW 81 22 9 407 053<br>FORD M2C9008-A<br>VW TL 726<br>ZF TE-ML 08 |
|                | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck   |                              |  |  |
| <b>TITAN GEAR MP SAE 90</b>   | High Performance Gear Oil for synchronized and non-synchronized manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles and passenger cars. | API GL-4                     | –  | MAN 341 TYPE E1, Z1<br>MB 235.1<br>ZF TE-ML 02A, 16A,<br>17A, 19A  |
|              | 4 x 5 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum), 1.000 L (IBC)   |                              |  |  |
| <b>TITAN GEAR HYP SAE 90</b>  | High Performance Gear Oil for highly-stressed differentials in commercial vehicles and passenger cars.   | API GL-5<br>SAE J306: 85W-90 | MB-APPROVAL 235.0<br>ZF TE-ML 16C, 17B, 19B,<br>21A (ZF000656) | FORD SR-M2C9102-A<br>JOHN DEERE JDM J11E<br>MAN 342 TYPE M1<br>OPEL 19 42 387<br>VOLVO 97310<br>VW TL 727<br>ZF TE-ML 07, 08   |
|              | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                              |  |  |

**TITAN**







| Product name  | Description   | Specifications                         | Approvals  | FUCHS Recommendations  |
|---|---|--|--|--|
| <b>Axle Gear Oils and Manual Transmission Fluids for Commercial Vehicles</b>        |   |  |  |  |
| <b>TITAN<br/>CYTRAC TD<br/>SAE 75W-90</b>   | Premium Performance Gear Oil for highly-stressed manual transmissions and hypoid axles in commercial vehicles formulated with fully-synthetic base oils. Developed for the longest oil change intervals.                | API GL-4/GL-5<br>API MT-1<br>SAE J2360 | DETROIT DIESEL 93K219.01<br>MAN 341 TYPE Z2<br>MAN 342 TYPE S1<br>MB-APPROVAL 235.8<br>MERITOR O-76-E<br>SCANIA STO 1:0<br>SCANIA STO 1:1 G<br>SCANIA STO 2:0 A FS<br>VOLVO 97312<br>ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A (ZF003341)        | JOHN DEERE JDM J11E<br>JOHN DEERE JDM J11G<br>MAN 341 TYPE E3<br>MAN 342 TYPE M3                             |
|    | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |  |  |  |
| <b>TITAN<br/>CYTRAC SL<br/>SAE 75W-90</b>   | Premium Performance Gear Oil for highly-stressed hypoid axles in commercial vehicles formulated with fully-synthetic base oils. Developed for the longest oil change intervals in commercial vehicle axle drives.       | API GL-5                               | MAN 342 TYPE S1<br>SCANIA STO 1:0  | JOHN DEERE JDM J11E<br>JOHN DEERE JDM J11G<br>MB 235.8<br>VOLVO 97312<br>ZF TE-ML 05B, 07, 08, 12B, 16F, 17B |
|  | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |  |  |  |
| <b>TITAN<br/>CYTRAC PRO 235.31<br/>SAE 75W-85</b>                                   | Premium Performance Gear Oil for highly-stressed hypoid axles in Mercedes-Benz commercial vehicles formulated with selected base oils. Developed for the longest oil change intervals and optimized gearbox efficiency. | API GL-5                               | MB-APPROVAL 235.31   | DETROIT DIESEL 93K219.03   |
|  | 20 L (Canister), 205 L (Drum)   |  |  |  |
| <b>TITAN<br/>CYTRAC PRO GA2<br/>SAE 75W-90</b>                                      | Premium Performance Transmission Oil for manual transmissions in commercial vehicles, especially for SCANIA and MAN. Developed for the longest oil change intervals.  | API GL-5<br>SCANIA STO 1:1 G           | MAN 341 TYPE GA2<br>SCANIA STO 2:0 G   | –  |
|  | 20 L (Canister), 205 L (Drum)   |  |  |  |
| <b>TITAN<br/>CYTRAC PRO S2A<br/>SAE 75W-140</b>                                     | Premium Performance Gear Oil especially for axle- and differential transmissions in SCANIA commercial vehicles. Developed for longest oil drain intervals.  | API GL-5<br>SCANIA STO 1:0             | SCANIA STO 2:0 A   | –  |
|  | 205 L (Drum)  |  |  |  |
| <b>TITAN<br/>CYTRAC RR<br/>SAE 75W-90</b>   | Fully synthetic Premium Performance Hypoid Gear Oil for axle drives in railcars and heavy duty vehicles.  | API GL-5<br>API MT-1<br>SAE J2360      | EvoBus 26.000-032<br>EvoBus 26.000-037<br>SCANIA STO 1:0<br>SIEMENS FLENDER Gear Units for Railway Vehicles<br>VOITH 132.00374401<br>VOITH 132.00374402<br>VOITH 3.325-340<br>VOITH 3.325-342<br>ZF TE-ML 05A, 12L, 12N, 16F, 17B, 19C, 21A (ZF000732) | Gmeinder Getriebebau railway applications<br>ZF TE-ML 05B, 21B   |
|  | 205 L (Drum)  |  |  |  |

## Transmission Fluids










| Product name  | Description   | Specifications                    | Approvals  | FUCHS Recommendations   |
|---|---|-----------------------------------|--|---|
| <b>Axle Gear Oils and Manual Transmission Fluids for Commercial Vehicles</b>        |   |                                   |  |   |
| <b>TITAN<br/>CYTRAC FE SYNTH<br/>SAE 75W-85</b>                                     | Premium Performance Gear Oil for gear-boxes in commercial vehicles, specially for the latest version of Mercedes-Benz CO <sub>2</sub> transmissions, formulated with fully-synthetic base oils. Most fuel efficient by improving gearbox efficiency. Suitable for the longest oil change intervals.                   | API GL-4                          | MB-APPROVAL 235.16   | –   |
|    | 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                                   |  |   |
| <b>TITAN<br/>CYTRAC MB SYNTH<br/>SAE 75W-90</b>                                     | Premium Performance Gear Oil for gear-boxes in commercial vehicles, specially developed for Mercedes-Benz Actros vehicles, formulated with fully-synthetic base oils. Reduces fuel consumption by improving gearbox efficiency. Suitable for the longest oil change intervals.  | API GL-4                          | MAN 341 TYPE MB<br>MB-APPROVAL 235.11  | ZF TE-ML 08   |
|    | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                                   |  |   |
| <b>TITAN<br/>CYTRAC ULTRA SYNTH<br/>SAE 75W-80</b>                                  | Premium Performance Gear Oil for gear-boxes in commercial vehicles, especially developed for ZF heavy duty transmissions with and without Intarder. Reduces fuel consumption by improving gearbox efficiency. Suitable for longest oil change intervals.  | API GL-4<br>VOLVO 97307           | EvoBus 26.000-030<br>MAN 341 TYPE Z5<br>ZF TE-ML 01E, 02E, 16P<br>(ZF001457)   | IVECO 18-1807 MGS2<br>MAN 341 TYPE VR<br>MB 235.29<br>MB 235.41<br>VOITH-RETARDER „C“   |
|  | 20 L (Canister), 205 L (Drum)   |                                   |  |   |
| <b>TITAN<br/>CYTRAC MAT<br/>SAE 75W-80</b>  | Premium Performance Gear Oil for gear-boxes in commercial vehicles, specially developed for manual and automatic ZF-gear boxes, formulated with selected base oils. Reduces fuel consumption by improving gearbox efficiency. Suitable for the longest oil change intervals and compatible with Carbon-Synchronizers. | API GL-4                          | MAN 341 TYPE Z4<br>ZF TE-ML 01L, 02L, 16K<br>(ZF003373)  | IVECO 18-1807 CLASSE MGS1<br>MAN 341 TYPE E3<br>MAN 341 TYPE Z3<br>MAN 341 TYPE Z5<br>VOLVO 97305<br>VOLVO 97307<br>ZF TE-ML 01E, 02D, 02E, 08,<br>16P              |
|  | 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                                   |  |   |
| <b>TITAN<br/>CYTRAC HSY<br/>SAE 75W-90</b>  | Premium Performance Gear Oil for commercial vehicle manual transmissions and axle drives formulated with fully-synthetic base oils.   | API GL-4/GL-5                     | EvoBus 26.000-032<br>EvoBus 26.000-037<br>ZF TE-ML 05A, 12L, 12N,<br>16F, 17B, 19C, 21A<br>(ZF000642)  | MAN 341 TYPE E3<br>MAN 341 TYPE Z2<br>MAN 342 TYPE M3<br>MAN M 3343 TYPE S<br>JOHN DEERE JDM J11E<br>JOHN DEERE JDM J11G<br>SCANIA STO 1:0<br>ZF TE-ML 05B, 07, 21B |
|  | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                                   |  |   |
| <b>TITAN<br/>GEAR HYP LD<br/>SAE 80W-90</b>   | High Performance Gear Oil specially developed for Mercedes-Benz commercial vehicles. Offering enhanced thermal stability and fuel-economy potential.  | API GL-5<br>API MT-1<br>SAE J2360 | DETROIT DIESEL 93K219.02<br>EvoBus 26.000-032<br>EvoBus 26.000-034<br>JOHN DEERE JDM J11E<br>MAN 342 TYPE M3<br>MB-APPROVAL 235.20<br>SCANIA STO 1:0<br>VOLVO 97321<br>ZF TE-ML 05A, 12L, 12M,<br>16B, 17B, 19B, 21A<br>(ZF000645) | MIL-PRF-2105 E<br>ARVIN MERITOR 0-76-D<br>MACK GO-J<br>ZF TE-ML 07A   |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                                   |  |   |



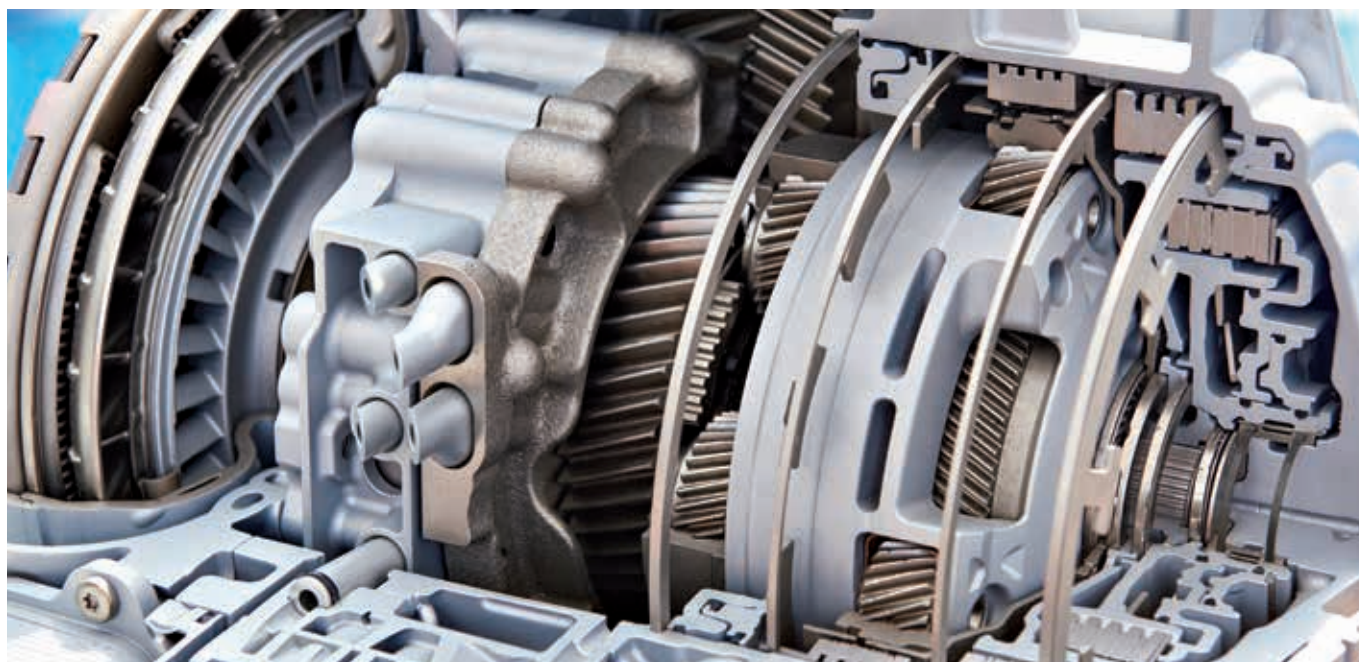
**TITAN**

| Product name   | Description  | Specifications | Approvals                                    | FUCHS Recommendations  |
|--|--|----------------|--|--|
| <b>Double Clutch Transmission Fluids (DCTF)</b>  |  |                |  |  |
| <b>TITAN FFL-52529</b><br><br> | Premium Performance DCTF for ultimate friction stability and best fuel economy properties. Specially developed for the wet clutch of the DL382 (OCK) and DL382e transmission of VW group.  | –              | VW TL 52 529-C<br>(G 055 529)                | –  |
| <b>TITAN FFL-2</b><br><br>     | Premium Performance DCTF. Specially developed for wet clutch DCTs and hybridized DCTs (DQ400e). Provides optimum wear protection and excellent friction properties even under hard conditions and offers best shifting performance over the whole lifetime.  | –              | JAC DTF630<br>VW TL 52 182<br>(G 052 182)    | –  |
| <b>TITAN FFL-3</b><br><br>     | Premium Performance DCTF. Specially developed for wet clutch ZF/Porsche DCTs. Additionally applicable in hybridized axle transmissions from Mercedes-Benz. Provides optimum wear protection and excellent friction properties even under hard conditions and offers best shifting performance over the whole lifetime. | –              | MB-APPROVAL 236.24<br>ZF TE-ML 11 (ZF004742) | BMW 83 22 2 156 969 (MTF-LT-5)<br>BMW 83 22 2 167 666 (MTF-LT-5)<br>JAGUAR LAND ROVER GX73-M1R564-AA<br>PORSCHE 999 917 080 00 |

## Transmission Fluids

| Product name  | Description   | Specifications | Approvals              | FUCHS Recommendations   |
|---|---|----------------|------------------------|---|
| <b>Double Clutch Transmission Fluids (DCTF)</b>   |   |                |                        |   |
| <b>TITAN FFL-4</b>  | Premium Performance DCTF. Specially developed for GETRAG/BMW Double Clutch Transmission with wet clutch.  | –              | GETRAG (PWA05043)      | BMW 83 22 0 440 214<br>BMW 83 22 2 147 477<br>BMW 83 22 2 148 578<br>BMW 83 22 2 148 579<br>BMW 83 22 2 446 673<br>FORD WSS-M2C936-A<br>McLaren: MP4-12C<br>MITSUBISHI DIA QUEEN SSTF-1<br>PSA 9734 S2<br>VOLVO 1161838 |
|                                        | 12 x 1 L (Tin), 20 L (Canister)   |                |                        |   |
| <b>TITAN FFL-7 A</b><br><br><b>NEW</b> | Premium Performance DCTF. Specially developed for the third generation wet clutch DCT of Magna GETRAG.  | –              | MB-APPROVAL 239.21     | BMW 83 22 2 433 157 (DCTF 2)<br>FORD WSS-M2C218-A1 (F-DC)<br>RENAULT 77 11 785 243 (DW5)  |
|                                      | 12 x 1 L (Tin), 20 L (Canister)   |                |                        |   |
| <b>TITAN FFL-8</b><br>               | Premium Performance DCTF. Specially developed for wet clutch ZF/Porsche DCTs and can also be used in hybrid drivetrains. Provides optimized friction properties and best load carrying capacity even under hard conditions over the whole lifetime.   | –              | ZF TE-ML 11 (ZF004743) | BENTLEY G 052 524 B2<br>PORSCHE 000 043 210 44<br>PORSCHE 971 094 307 02A<br>VW G 055 524   |
|                                      | 12 x 1 L (Tin), 20 L (Canister)   |                |                        |   |
| <b>TITAN FFL-10</b><br>              | Premium Performance DCTF. Specially developed for wet clutch Mercedes-Benz-8-speed DCTs can also be used in hybrid drivetrains. Provides optimum wear protection and excellent friction properties over the whole lifetime and offers best shifting performance even under hard conditions. | –              | MB-APPROVAL 236.22     | –   |
|                                      | 12 x 1 L (Tin), 20 L (Canister)   |                |                        |   |
| <b>TITAN FFL-RACING</b><br>          | Premium Performance DCTF. Specially developed for highly stressed double clutch transmissions.  | –              | –                      | NISSAN GT-R (R35)   |
|                                      | 12 x 1 L (Tin), 20 L (Canister)   |                |                        |   |


















**TITAN**



| Product name                                 | Description   | Specifications | Approvals          | FUCHS Recommendations   |
|--|---|----------------|--------------------|---|
| <b>Automatic Transmission Fluids (ATF)</b>   |   |                |                    |   |
| <b>TITAN<br/>ATF 9134 FE</b>                 | Premium Performance ATF with reduced viscosity, especially developed to further optimize fuel-economy and gearbox efficiency of latest generation Mercedes-Benz 9-speed automatic transmissions. Not downwards compatible with previous MB-ATF-Specifications.<br>Product dyeing: none. | –              | MB-APPROVAL 236.17 | NISSAN MATIC P  |
|  | 12 x 1 L (Tin), 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                |                    |   |
| <b>TITAN<br/>ATF 8400 ULV<br/><i>NEW</i></b> | Premium Performance ATF with extremely reduced viscosity specifically formulated for automatic transmissions of Japanese manufacturers.<br>Product dyeing: red.   | –              | –                  | AISIN WARNER AW-2<br>BMW 83 22 2 413 477 (ATF 7)<br>DEXRON ULV<br>FORD MERCON ULV<br>FORD WSS-M2C949-A<br>PSA 16 350 560 80<br>VW G 053 001<br>VW G 060 540<br>VOLVO 31492172 |
|  | 12 x 1 L (Tin), 20 L (Canister), 205 L (Drum)   |                |                    |   |
| <b>TITAN<br/>ATF 7134 FE</b>                 | Premium Performance ATF with reduced viscosity, especially developed to further optimize fuel-economy and gearbox efficiency of latest generation Mercedes-Benz 7-speed automatic transmissions. Not downwards compatible with previous MB-ATF-Specifications.<br>Product dyeing: blue. | –              | MB-APPROVAL 236.15 | –   |
|  | 12 x 1 L (Tin), 5 x 4 L (Canister), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                |                    |   |
















## Transmission Fluids





| Product name  | Description  | Specifications          | Approvals                                  | FUCHS Recommendations  |
|---|--|-------------------------|--|--|
| <b>Automatic Transmission Fluids (ATF)</b>  |  |                         |  |  |
| <b>TITAN ATF 6400</b><br>  | Premium Performance ATF with reduced viscosity specifically formulated for automatic transmissions of Japanese and American manufacturers. Licensed according to DEXRON VI and MERCON LV. Additionally also suitable for use in hybrid applications from various manufacturers. Product dyeing: red. | JASO M315<br>TYPE 1A-LV | DEXRON VI<br>FORD MERCON LV<br>ZF TE-ML 09 | AISIN WARNER/AW-1<br>BMW 81 22 9 400 272<br>BMW 81 22 9 400 275<br>BMW 81 22 9 407 738<br>BMW 83 22 0 397 114<br>BMW 83 22 0 403 248<br>BMW 83 22 0 403 249<br>BMW 83 22 0 432 807<br>BMW 83 22 2 163 514<br>BMW 83 22 2 167 718<br>BMW 83 22 2 167 720<br>BMW 83 22 2 355 599<br>BMW 83 22 2 355 601<br>BMW 83 22 9 407 858<br>BMW 83 22 9 407 859<br>FIAT 9.55550-AV2; FIAT 9.55550-AV6<br>GM 9256039/88863400<br>HONDA DW-1<br>HYUNDAI NWS 9638<br>HYUNDAI SP-IV<br><b>HYUNDAI SP-IV M</b><br><b>HYUNDAI SP-IV RR</b><br>JWS 3324<br>KIA SP-IV<br>MITSUBISHI ATF-J3<br>MITSUBISHI ATF-PA<br>MITSUBISHI MA1<br>NISSAN MATIC S<br>TOYOTA TYPE WS<br>VW G 055 540 A2 |
|    | 12 x 1 L (Tin)   |                         |  |  |
| <b>TITAN ATF 6009</b><br>  | Premium Performance ATF, specially developed to optimize the shifting performance of latest generation ZF automatic transmissions incl. hybrid applications. Product dyeing: green.  | –                       | –  | BMW 83 22 2 152 426<br>BMW 83 22 2 289 720 (ATF 3+)<br>BMW 83 22 2 305 397 (ATF 3)<br>HONDA ATF TYPE 3.1<br>JAGUAR 02JDE 26444<br>LAND ROVER LR023288<br>NISSAN MATIC R  |
|      | 12 x 1 L (Tin), 20 L (Canister), 205 L (Drum)  |                         |  |  |
| <b>TITAN ATF 6008</b><br>  | Premium Performance ATF, specially developed to optimize the shifting performance of ZF automatic transmissions incl. hybrid applications. Product dyeing: green.  | –                       | –  | BMW 83 22 2 152 426<br>BMW 83 22 2 289 720 (ATF 3+)<br>BMW 83 22 2 305 397 (ATF 3)<br>CHRYSLER 68157995AA<br>FIAT 9.55550-AV5<br>JAGUAR 02JDE 26444<br>LAND ROVER LR023288<br>MB 236.82<br>VW G 055 162; VW G 060 162  |
|      | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                         |  |  |
| <b>TITAN ATF 6006</b>   | Premium Performance ATF, specially developed to optimize the shifting performance of ZF automatic transmissions. Product dyeing: none.   | –                       | –  | AML Oil No. 4G4319A509/AA/S<br>BENTLEY PY112995PA<br>BMW 83 22 0 142 516<br>BMW 83 22 0 144 137<br>BMW 83 22 2 305 396<br>FORD MERCON SP<br>HYUNDAI 040000C90SG<br>JAGUAR FLUID 8432<br>LAND ROVER TYK500050<br>MASERATI 231603<br>VW G 055 005  |
|      | 12 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                         |  |  |

Performance upgrades in Specifications, Approvals and FUCHS Recommendations are highlighted in bold.

**TITAN**




| Product name  | Description   | Specifications       | Approvals  | FUCHS Recommendations   |
|---|---|----------------------|--|---|
| <b>Automatic Transmission Fluids (ATF)</b>  |   |                      |  |   |
| <b>TITAN<br/>ATF 5668</b><br><b>NEW</b>   | Premium Performance ATF especially developed for highly stressed ALLISON step automatic transmissions in commercial vehicles.<br>Product dyeing: red.   | –                    | ALLISON TES 668®   | ALLISON TES 295<br>ALLISON TES 389<br>VOLVO 97340<br>VOLVO 97341  |
|    | 205 L (Drum)  |                      |  |   |
| <b>TITAN<br/>ATF 5500</b>   | Premium Performance ATF for automatic transmission in motor vehicles. Outstanding base oil quality for optimal cold temperature properties and high ageing stability. Durable friction properties for excellent wet clutch performance.<br>Product dyeing: none.            | –                    | EvoBus 27.000-017<br>MAN 339 TYPE V1<br>MAN 339 TYPE V2<br>MAN 339 TYPE V3<br>MAN 339 TYPE Z3<br>MAN 339 TYPE Z12<br>MB-APPROVAL 236.9<br>VOITH 150.014524.xx<br>VOLVO 97341<br>ZF TE-ML 04D, 14C,<br>16M, 16S, 20C, 25C<br>(ZF001797) | DEXRON III (H)<br>ALLISON TES 295<br>ALLISON TES 389<br>IVECO 18-1807 CLASSE AG3/I<br>MAN 339 TYPE Z4<br>VOITH H55.6336.xx  |
|       | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                      |  |   |
| <b>TITAN<br/>ATF 1</b>  | Ultra High Performance ATF especially developed for highly stressed step automatic transmissions in passenger cars as well as in commercial vehicles.<br>Product dyeing: none.  | –                    | EvoBus 27.000-017<br><b>MAN 339 TYPE Z2</b><br>VOITH 150.014524.xx<br>ZF TE-ML 04D, 11B,<br>14B, 17C (ZF003602)  | BMW 83 22 2 220 442 (BMW ATF 4)<br>BMW 83 22 9 407 807<br>CHRYSLER MS 9602 (ATF +4)<br>CITROËN/PEUGEOT Z 000 169756<br>DEXRON III<br>IVECO 18-1807 CLASSE AG3/I<br>JAGUAR JLM 20238<br>MB 236.11<br>PORSCHE 999.917.547.00<br>VOITH H55.6336.xx<br>VW TL 521 62 (G 052 162)<br>ZF TE-ML 16L   |
|      | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                      |  |   |
| <b>TITAN<br/>ATF 4400</b>   | Ultra High Performance ATF specifically formulated for Japanese passenger cars and light commercial vehicles, as well as for several European and American manufacturers. The high torque capacity exceeds the performance of many original fluids.<br>Product dyeing: red. | JASO M315<br>TYPE 1A | –  | DEXRON III<br>BMW MINI 83 22 0 402 413<br>BMW MINI 83 22 7 542 290<br>CHRYSLER MS7176E/9602 (ATF +3/+4)<br>DAIHATSU ALUMIX ATF MULTI<br>FIAT 9.55550-AV1/AV4<br>FORD MERCON<br>FORD MERCON V<br>FORD M2C924-A/M2C922-A1<br>FORD WSS-M2C919-E<br>FORD WSS-M2C202-B<br>GM 9986195<br>HONDA ATF Z-I<br>HYUNDAI SP III<br>ISUZU BESCO ATF -II/ATF -III<br>JATCO 3100 PL085/FWD (N402)/JF506E (K17)<br>JWS 3309/TYP T-IV<br>MAZDA ATF D-III/ATF M-3/M-V<br>MITSUBISHI SP-II/III<br>NISSAN MATIC C/D/J<br>SAAB 3309<br>SUBARU ATF OIL/ATF OIL SPECIAL/ATF HP<br>SUZUKI ATF 3309/3317<br>TOYOTA TYPE D-2/T/T-II/T-III/T-IV<br>VW G 052 990/055 025 |
|      | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum)  |                      |  |   |

## Transmission Fluids

| Product name  | Description   | Specifications | Approvals  | FUCHS Recommendations  |
|---|---|----------------|--|--|
| <b>Automatic Transmission Fluids (ATF)</b>  |   |                |  |  |
| <b>TITAN ATF 4134</b>   | Ultra High Performance ATF, specially developed to optimise shifting performance of Mercedes automatic transmissions.<br>Product dyeing: red.   | –              | MB-APPROVAL 236.14<br>SSANG YONG<br>(MB-automatic transmissions)   | –  |
|    | 20 x 1 L (Tin), 12 x 1 L (Tin), 5 x 4 L (Canister), 4 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                |  |  |
| <b>TITAN ATF 4000</b>   | Ultra High Performance ATF for use in automatic transmissions as well as other ATF applications.<br>Licensed according to DEXRON III (H).<br>Improved low-temperature shifting compared to DEXRON II.<br>Product dyeing: red.   | –              | DEXRON III (H)<br>MAN 339 TYPE L1<br>MAN 339 TYPE V1<br>MAN 339 TYPE Z1<br>MB-APPROVAL 236.1<br>MB-APPROVAL 236.9<br>VOITH H55.6335.xx<br>VOLVO 97341<br>ZF TE-ML 04D, 14A<br>(ZF000728) | ALLISON C-4<br>ALLISON TES 389<br>BMW 81 22 9 400 272<br>BMW 81 22 9 400 275<br>BMW 81 22 9 407 738<br>BMW 83 22 0 403 248<br>BMW 83 22 9 407 765<br>BMW 83 22 9 407 807<br>BMW 83 22 9 407 858<br>BMW 83 22 9 407 859<br>CAT TO-2<br>FORD MERCON<br>OPEL 19 40 707<br>OPEL 19 40 767<br>VW TL 521 62 (G 052 162)<br>ZF TE-ML 02F, 03D, 09, 11B, 17C |
|  | 20 x 1 L (Tin), 12 x 1 L (Tin), 4 x 5 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                |  |  |
| <b>TITAN ATF 3353</b>   | Ultra High Performance DEXRON III-generation-ATF for automatic transmissions as well as any other ATF-applications. Developed for the MB automatic transmissions and transfer cases according manufacturer. Offers fuel-efficiency potential.<br>Product dyeing: red. | –              | MB-APPROVAL 236.12<br>VW TL 52533<br>(G 052 533)   | DEXRON III<br>BMW 83 22 9 407 765<br>FORD WSA-M2C195-A<br>FORD WSS-M2C922-A1<br>SSANG YONG   |
|  | 20 x 1 L (Tin), 12 x 1 L (Tin), 5 x 4 L (Canister), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum)   |                |  |  |
| <b>TITAN ATF 3000</b>   | High Performance DEXRON II (D) ATF for automatic transmissions in commercial vehicles, machinery and passenger cars according to manufacturer's documentation.<br>Product dyeing: red.  | –              | MAN 339 TYPE L2<br>MAN 339 TYPE V1<br>MAN 339 TYPE Z1<br>MB-APPROVAL 236.1<br>VOITH H55.6335.xx<br>ZF TE-ML 04D, 14A<br>(ZF000720)   | DEXRON II (D)<br>ALLISON C-4<br>BMW 81 22 9 400 272<br>BMW 81 22 9 400 275<br>BMW 81 22 9 407 738<br>CAT TO-2<br>FORD MERCON<br>FORD M2C185-A<br>FORD ESP-M2C138-CJ<br>FORD ESP-M2C166-H<br>FORD M2C9010-A<br>OPEL 19 40 700<br>OPEL 19 40 707<br>PSA S71 2102<br>RENK-DOROMAT<br>ZF TE-ML 02F, 03D, 09, 11A, 17C                                    |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                |  |  |



**TITAN**

| Product name  | Description   | Specifications | Approvals          | FUCHS Recommendations  |
|---|---|----------------|--------------------|--|
| <b>Continuously Variable Transmission Fluids (CVTF)</b>                             |   |                |                    |  |
| <b>TITAN CVTF PRO 236.20</b>  | Premium Performance CVTF specially designed for Mercedes-Benz and Ford CVT-gearboxes.<br>Product dyeing: none.  | –              | MB-APPROVAL 236.20 | <b>FORD WSS-M2C928-A</b>   |
|    | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum), 1.000 L (IBC)  |                |                    |  |
| <b>TITAN CVTF FLEX</b>  | Premium Performance CVTF specially designed for use in many CVT-gearboxes using push-belts or transmission chains made of steel.<br>Product dyeing: none. | –              | –                  | BMW 83 22 0 136 376<br>BMW 83 22 0 429 154<br>CHRYSLER CVTF+4<br>DAIHATSU AMMIX CVTF-DC/DFE<br>DODGE/JEEP NS-2/CVTF+4<br>FORD WSS-M2C933-A/MERCON C<br>GM 19260800<br>GM DEX-CVT<br>GM HP CVTF<br>HONDA HCF-2<br>HYUNDAI/KIA SP-CVT1<br>MAZDA CVTF 3320<br>MITSUBISHI CVTF-J1/J4<br>NISSAN NS-1/NS-2/NS-3<br>SUBARU Lineartronic CV-30/CVTF/<br>CVTF II/E-CVT/ICVT<br>SUZUKI TC/NS-2/CVT Green 1/<br>CVT Green 2/CVTF 3320<br>TOYOTA TC/CVT FE<br>VW TL 521 80 (G 052 180)<br>VW TL 525 16 (G 052 516) |
|  | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                |                    |  |
| <b>Transfer Case Fluid (TCF)</b>  |   |                |                    |  |
| <b>TITAN TCF 1</b>  | Premium Performance TCF specially designed for use in many transfercases with wet running clutch.   | –              | MB-APPROVAL 239.41 | BMW 83 22 2 409 710 (BMW DTF 1)<br>BMW 83 22 0 397 244<br>LAND ROVER IYK500010<br>NISSAN 999-MP-TF0870P<br>PORSCHE 000 043 301 36<br>PORSCHE 000 043 305 63<br>VW G 055 015<br>VW G 052 515<br>VW G 055 515  |
|  | 12 x 1 L (Tin), 205 L (Drum)  |                |                    |  |



### Automatic Transmission Fluid Flushing – Gear+ Higher Revenue Through Transmission Oil Service

The optimal solution for your customers to effectively clean the automatic transmission by flushing the oil circuit and filling it completely with the appropriate fresh oil.



# MULTIFUNCTIONAL OILS

In many applications in the agricultural and construction industries there are, in addition to Lubricants that are only used for a specific component so-called all-rounders: STOU and UTTO products.

Both were developed for use in transmissions and hydraulic systems and can also be used in brakes running in an oil bath (wet brakes).

STOU products can also be used in the engine if the relevant specifications are met. In simple terms, this means that a STOU is a UTTO with engine performance.

The advantages of such all-rounders are obvious: on the one hand, a real sort rationalization is possible, on the other hand, the risk of incorrect filling is significantly reduced.

FUCHS is a real pioneer in these UTTO and STOU lubricants and offers a comprehensive product range.



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**Multifunctional Oils**



|                                      |       |
|--------------------------------------|-------|
| UTTO Oils for Construction Machinery | 48-49 |
| UTTO Oils for Agricultural Machinery | 50-51 |
| STOU Oils for Agricultural Machinery | 51-52 |
| Agricultural Engine Oils             | 53    |
| Agricultural Milking Machine Oil     | 53    |

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## Multifunctional Oils





| Product name  | Description   | Specifications               | Approvals   | FUCHS Recommendations   |
|---|---|------------------------------|---|---|
| <b>UTTO Oils for Construction Machinery</b>   |   |                              |   |   |
| <b>TITAN<br/>UTTO PRO 102</b><br><br><b>NEW</b>                                     | Premium Performance Multifunctional Oil for gears, axles and hydraulic systems with improved wear protection and wide range of application temperatures. Specially developed and approved for VOLVO axles with built-in wet brakes in construction machinery. | API GL-4<br>SAE J306: 75W-75 | VOLVO WB 102  | ALLISON C-4<br>CASE MS 1207/1209/1210<br>CATERPILLAR TO-2<br>FORD M2C86-C<br>FORD ESN-M2C134-D<br>JCB 4000/0500 - JCB 4000/2200<br>JOHN DEERE JDM J20C<br>JOHN DEERE JDM J20D<br>KOMATSU AXO 80 (KES 07.866)<br>KUBOTA UDT FLUID<br>MASSEY FERGUSON CMS M<br>1145, 1143, 1135<br>VOLVO WB 101<br>ZF TE-ML 03E, 05F, 06K, 17E, 21F<br>SAE J300: 0W-20  |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                              |   |   |
| <b>TITAN<br/>UTTO WB</b>  | Ultra High Performance Multifunctional Oil (UTTO/MFO) for use in transmission and hydraulic systems with integrated wet brakes, clutches and differentials for construction and agricultural machinery.   | –                            | VOLVO WB 101<br>ZF-TE ML 03E, 03F,<br>05F, 06K (ZFxxxxxx) | AGCO Q-1826 (Whitefarm),<br>Powerfluid 821 XL<br>ALLISON C-4<br>API GL-4<br>CASE MS 1210, 1209, 1207,<br>1206, 1205, 1204<br>CATERPILLAR TO-2<br>CNH MAT 3505, 3506, 3525<br>FNHA-2-C-201.00<br>FORD ESN M2C41-B, M2C53-B,<br>M2C92-A, M2C134-D<br>JOHN DEERE JDM J20C<br>JOHN DEERE JDM J20D<br>KUBOTA UDT FLUID<br>MASSEY FERGUSSON CMS M<br>1145, 1143, 1141, 1135<br>SAE J300: 10W-30<br>ZF TE-ML 03L |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                              |   |   |

**TITAN**

| Product name  | Description   | Specifications       | Approvals                              | FUCHS Recommendations   |
|---|---|----------------------|--|---|
| <b>UTTO Oils for Construction Machinery</b>   |   |                      |  |   |
| <b>TITAN UTTO PLUS</b>  | Ultra High Performance Multifunctional Oil for gears, axles and hydraulic systems on construction and agricultural machinery with or without wet brakes and limited slip differentials. | SAE J300: 5W-30      | –                                      | SAE J306: 75W-80<br>CASE MS 1207/1209/1210<br>FORD M2C86-C, ESN-M2C134-D<br>JOHN DEERE JDM J20C<br>JOHN DEERE JDM J20D<br>JOHN DEERE JDM J14<br>KOMATSU KES 07.866<br>KUBOTA UDT FLUID<br>MASSEY FERGUSON CMS M 1143, 1135<br>STEYR 397.88.0001<br>VOLVO WB 101 |
|    | 20 L (Canister), 205 L (Drum), Tank Truck   |                      |  |   |
| <b>TITAN UTTO ZF</b>  | High Performance Gear Oil for ZF axles with limited-slip differentials. Recommended for construction machinery and material-handling vehicles axles.                                    | API GL-4             | ZF TE-ML 05F, 06K, 17E, 21F (ZF000661) | VOLVO WB 101<br>ZF TE-ML 03E  |
|   | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                      |  |   |
| <b>TITAN UTTO TO-4 SAE 10W</b>  | High Performance multifunctional lubricant for hydraulics in construction machinery.  | API GL-4<br>CAT TO-4 | ZF TE-ML 03C (ZF002186)                | ALLISON C-4<br>KOMATSU KES 07.868.1   |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                      |  |   |
| <b>TITAN UTTO TO-4 SAE 30</b>   | High Performance multifunctional transmission lubricant for construction machinery.   | API GL-4<br>CAT TO-4 | ZF TE-ML 03C, 07F (ZF002185)           | ALLISON C-4<br>ALLISON TES-439<br>KOMATSU KES 07.868.1  |
|  | 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                      |  |   |
| <b>TITAN UTTO TO-4 SAE 50</b>   | High Performance multifunctional lubricant for final drives in construction machinery.  | API GL-4<br>CAT TO-4 | –                                      | KOMATSU KES 07.868.1  |
|  | 20 L (Canister), 205 L (Drum)   |                      |  |   |








## Multifunctional Oils





| Product name  | Description   | Specifications | Approvals   | FUCHS Recommendations   |
|---|---|----------------|---|---|
| <b>UTTO Oils for Agricultural Machinery</b>   |   |                |   |   |
| <b>AGRIFARM<br/>UTTO VT</b>   | Premium Performance Multifunctional Oil (UTTO/MFO) for use in transmission and hydraulic systems with integrated wet brakes, clutches and differentials for agricultural and construction machinery.    | API GL-4       | ZF TE-ML 06B, 06D, 06N, 07B (ZF006013)  | ACEA E2<br>API CF-4/ CG-4/SF<br>ALLISON C-4<br>CAT TO-2<br>FORD M2C159-B/C<br>JOHN DEERE JDM J20C<br>JOHN DEERE JDM J27<br>MASSEY FERGUSON CMS M 1145<br>(1144, 1143, 1139, 1135)<br>SAE J300: 10W-30<br>SAE J306: 80W-80<br>ZF TE-ML 06C, 06F, 06Q, 06R  |
|  | 20 L (Canister), 205 L (Drum)   |                |   |   |
| <b>AGRIFARM<br/>UTTO MP</b>   | Ultra High Performance Multifunctional Oil (UTTO/MFO) for use in transmission and hydraulic systems with integrated wet brakes, clutches and differentials for agricultural and construction machinery. | API GL-4       | <b>DANA-OHTM-UTTO<br/>VOLVO WB 101</b><br>ZF TE-ML 03E, 05F, 06K, 17E, 21F (ZF002183) | AGCO Powerfluid 821 XL<br>AGCO Q-186 (Whitefarm)<br>ALLISON C-4<br>CASE MS 1230, 1210, 1209, 1207, 1206<br>CLAAS / LANDINI / SAME-Transmission<br>CNH MAT 3505, 3506, 3509, 3525, 3526, 3540<br>FNHA-2-C-200.00 / -201.00<br>FORD M2C48-C3, ESN M2C86-B/C, M2C134-D<br>JOHN DEERE JDM J20C<br>KUBOTA UDT FLUID<br>MASSEY FERGUSON CMS M 1145, 1143, 1141, 1135<br>NH 410B<br>SAE J300: 10W-30<br>SAE J306: 75W-80<br>SDFG OT 1891 A<br>VALTRA G2-08, G2-B10 |
|  | 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                |   |   |







# AGRIFARM

| Product name  | Description   | Specifications               | Approvals  | FUCHS Recommendations   |
|---|---|------------------------------|--|---|
| <b>UTTO Oils for Agricultural Machinery</b>   |   |                              |  |   |
| <b>AGRIFARM UTTO LN</b>   | Ultra High Performance Transmission Hydraulic Fluid developed as a problem-solver for tractors in which conventional UTTO oils led to noisy wet brakes.                                 | API GL-4<br>SAE J300: 20W-30 | –  | AGCO Powerfluid 821 XL<br>AGCO Q-186 (Whitefarm)<br>ALLISON C-4<br>CASE MS 1206, 1207, 1209, 1210, 1230<br>CNH MAT 3505, 3506, 3509, 3525, 3526<br>FNHA-2-C-200.00 / -201.00<br>FORD M2C48C3, ESN M2C86-B/C, M2C134-D<br>JOHN DEERE JDM J20C<br>MASSEY FERGUSON CMS M 1141, 1135<br>SAE J306: 80W-85<br>CLAAS / LANDINI / SAME-Transmission /<br>DEUTZ-FAHR<br>FENDT (non Vario)  |
|    | 20 L (Canister), 60 L (Drum), 205 L (Drum)  |                              |  |   |
| <b>STOU Oils for Agricultural Machinery</b>   |   |                              |  |   |
| <b>AGRIFARM STOU MC PRO SAE 10W-40</b>  | Premium Performance Multifunctional Oil (STOU/MFO) of the latest generation for agricultural vehicles.  | SAE J300: 10W-40             | <b>DEUTZ DQC III-18</b>                                | ACEA E7, E5, E4, E3, API CI-4,<br>API GL-3/GL-4/API GL-5 in tractors*<br>MAN 3275<br>AFNOR NFE 48603 HV, ALLISON C-4<br>CASE MS 1207, 1209, 1210, 1230<br>CNH MAT 3505, 3509, 3525, 3526<br>DIN 51524-3: HVLP (-D)<br>FNHA 2C-200.00, 201.00<br>FORD M2C48-C3, M2C86-B, M2C134-D,<br>M2C159-B/C<br>JOHN DEERE JDM J20C<br>NEW HOLLAND 82009201/2/3<br>NH 030C, 330G, 330H, 410B, 420A, 526C<br>MASSEY FERGUSON CMS M 1145, 1144, 1143,<br>1139, 1135<br>SAE J306: 80W-90<br>ZF TE-ML 06A, 06B, 06C, 06F, 06L, 07B<br>* without HOLMER |
|    | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                              |  |   |
| <b>AGRIFARM STOU MC SAE 10W-30</b>  | MC-synthesis Ultra High Performance Multifunctional Oil (STOU/MFO) for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in tractors and other agricultural machinery. | API GL-4<br>SAE J300: 10W-30 | DEUTZ DQC I-02<br>ZF TE-ML 06B, 06F,<br>07B (ZF000733) | AFNOR NFE 48603 HV<br>DIN 51524-3: HVLP (-D)<br>ACEA E3<br>API CG-4<br>ALLISON C-4<br>CASE MS 1207, 1209, 1210, 1230<br>CNH MAT 3505, 3509, 3525, 3526<br>FORD M2C48-C3, M2C86-B, M2C134-D,<br>M2C159-B/C<br>JOHN DEERE JDM J20 C<br>NEW HOLLAND 82009201/2/3<br>NH 410B, 420A<br>MASSEY FERGUSON CMS M 1145, 1144, 1143,<br>1139, 1135<br>SAE J306: 75W-80<br>ZF TE-ML 06A, 06C  |
|    | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck  |                              |  |   |

## Multifunctional Oils

| Product name  | Description  | Specifications               | Approvals   | FUCHS Recommendations  |
|---|--|------------------------------|---|--|
| <b>STOU Oils for Agricultural Machinery</b>   |  |                              |   |  |
| <b>AGRIFARM<br/>STOU MC<br/>SAE 10W-40</b>  | Ultra High Performance Multifunctional Oil (STOU / MFO) based on MC-base-oil technology for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in tractors and other agricultural and other commercial vehicles. | API GL-4<br>SAE J300: 10W-40 | DEUTZ DQC I-02<br>FENDT KDM 17/2012<br>ZF TE-ML 06B, 06F,<br>07B (ZF000729) | API GL-5 in tractors*<br>ACEA E3<br>API CG-4<br>MAN 271<br>AFNOR NFE 48603 HV<br>ALLISON C-4<br>CASE MS 1207, 1209, 1210, 1230<br>CNH MAT 3505, 3509, 3525, 3526<br>DIN 51524-3: HVLP (-D)<br>FORD M2C134-D, M2C159-B/C<br>FNHA 2C-200.00, 201.00, FORD M2C48-C3,<br>M2C-86 B<br>JOHN DEERE JDM J20C<br>NEW HOLLAND 82009201/2/3<br>NH 030C, 330G, 410B, 420A, 526C<br>MASSEY FERGUSON CMS M 1145, 1144, 1143,<br>1139, 1135<br>SAE J306: 80W-90<br>ZF TE-ML 06A, 06C, 06L<br>* without HOLMER |
|  | 20 L (Canister), 60 L (Drum), 205 L (Drum), Tank Truck   |                              |   |  |
| <b>AGRIFARM<br/>STOU<br/>SAE 15W-40</b>   | High Performance Multifunctional Oil (STOU / MFO) for engines, manual gearboxes, wet brakes, hydraulics in tractors and other agricultural equipment.  | API GL-4                     | FENDT KDM 17/2012   | ACEA E2<br>API CF-4<br>CNH MAT 3525, 3526<br>DIN 51524 : HLP (-D)<br>FNHA 200.00, 201.00<br>FORD M2C134-D, M2C159-B/C<br>JOHN DEERE JDM J20C<br>MASSEY FERGUSON CMS M 1145, 1144, 1143,<br>1139, 1135<br>NEW HOLLAND 82009201/2/3<br>NH 420A<br>SAE J306: 80W-90<br>SDFG OU 1391, OT 1891<br>STEYR D-401<br>ZF TE-ML 06A, 06B, 06C, 07B  |
|  | 20 L (Canister), 205 L (Drum), Tank Truck  |                              |   |  |

**AGRIFARM**

| Product name  | Description  | Specifications   | Approvals  | FUCHS Recommendations  |
|---|--|--|--|--|
| <b>Agricultural Engine Oils</b>   |  |  |  |  |
| <b>AGRIFARM<br/>MOT X-LA<br/>SAE 10W-40</b>   | Premium Performance Engine Oil for agricultural vehicles. Universal engine oil for application in modern vehicles with exhaust after treatment as well as in older vehicles. Best engine cleanliness and outstanding wear protection.  | ACEA E9, E7, E6, E4<br>API CJ-4/ CI-4 PLUS/<br>CI-4/ CH-4<br>CAT ECF-3 | DEUTZ DQC IV-10 LA<br>(inkl. TTCD)<br>MB-APPROVAL 228.51 | CNH MAT 3521<br>CUMMINS CES 20081  |
|    | 20 L (Canister), 205 L (Drum)  |  |  |  |
| <b>AGRIFARM<br/>MOT<br/>SAE 10W-40</b>  | Ultra High Performance Engine Oil of the latest conception of the SAE grade 10W-40. It was developed for advanced diesel engines which made high demands on service intervals and engine cleanliness. Specially recommended for normally aspirated and turbocharged engines. | ACEA E7<br>API CI-4<br>GLOBAL DHD-1<br>JASO DH-1                       | –  | ALLISON C-4<br>CAT ECF-2<br>CUMMINS CES 20071/2/6/7/8<br>DAF<br>DEUTZ DQC III<br>MACK EO-M PLUS<br>MAN M 3275-1<br>MTU DDC TYPE 2<br>RENAULT RLD/RLD-2<br>VOLVO VDS-3  |
|   | 20 L (Canister), 205 L (Drum)  |  |  |  |
| <b>AGRIFARM<br/>MOT<br/>SAE 15W-40</b>  | Ultra High Performance Engine Oil for normally aspirated and turbo-charged diesel engines in tractors and other machinery which make high demands on service intervals and engine cleanliness.   | ACEA E7<br>API CI-4/SL<br>GLOBAL DHD-1<br>CAT ECF-1-a/ECF-2            | DEUTZ DQC III-18<br>MB-APPROVAL 228.3                    | ALLISON C-4<br>CAT TO-2<br>CASE MS 1121<br>CUMMINS CES 20071/2/6/7/8<br>DETROIT DIESEL 93K215<br>IVECO 18-1804 CLASSE T2 E7<br>MACK EO-N<br>MAN M 3275-1<br>MTU DDC TYPE 2<br>NH 330H<br>RENAULT RLD/RLD-2<br>STEYR A-201<br>VOLVO VDS-3 |
|  | 20 L (Canister), 205 L (Drum)  |  |  |  |
| <b>Agricultural Milking Machine Oil</b>   |  |  |  |  |
| <b>AGRIFARM<br/>MILKING<br/>MACHINE OIL</b>   | Ultra High Performance Milking Machine Oil specially developed for use in the vacuum pumps of milking machines. It contains additives which protect against wear and corrosion and foaming. These features increase the functional reliability of such systems.              | –  | –  | ALFA LAVAL<br>WESTFALIA  |
|  | 3 x 5 L (Canister)   |  |  |  |



## SERVICE PRODUCTS

The FUCHS MAINTAIN range of workshop and service products is a comprehensive portfolio of coolants, brake fluids and fuel additives. FUCHS MAINTAIN offers your vehicle optimum protection at all times.

Our MAINTAIN products match with nearly every vehicle type and offer the best possible protection together with the latest technology.







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**Service Products**

|                |       |
|----------------|-------|
| Antifreezes    | 56-57 |
| Brake Fluids   | 58    |
| Fuel Additives | 59    |
| Oil Binder     | 59    |

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## Service Products

| Product name  | Description   | Specifications  | Approvals  | FUCHS Recommendations   |
|---|---|---|--|---|
| <b>Antifreezes</b>  |   |   |  |   |
| <b>MAINTAIN FRICOFIN LL</b>   | Premium Performance Coolant Concentrate based on monoethylene glycol. Free of nitrites, amines, phosphates and silicates with OAT-technology. Product dyeing: orange.                                       | ASTM D 3306 TYPE I<br>ASTM D 6210 TYPE I-FF<br>BS 6580:2010<br>SAE J814<br>FORD WSS-M97B44-D<br>JAGUAR LAND ROVER<br>STJLR.651.5003<br>FVV Heft R443<br>KSM 2142<br>UNE 26-361-88/1 | Bez.Reg.Arnsbg.<br>E62.12.22.64-2011-1<br>CAT / MWM TR 0199-99-2091<br>DAF 74002<br>DEUTZ DQC CB-14<br>MAN 324 TYPE SNF<br>MB-APPROVAL 325.3<br>MTU MTL 5048 | AFNOR NFR 15-601 TYPE I<br>AS/NZS 2108:2004 TYPE A<br>ASTM D 4985<br>SAE J1034<br>ADE (ATLANTIS DIESEL ENGINES)<br>BAIC GROUP FOTON Q-FPT 2313005-2013<br>CATERPILLAR MAK A4.05.09.01<br>CHRYSLER MS 12106<br>CNH MAT 3624<br>CNH MAT 3724<br>CUMMINS (ISBe engines at DAF and Leyland)<br>CUMMINS CES 14603, CES 14439<br>DETROIT DIESEL 93K217<br>FIAT 9.55523<br>GM GMW 3420 (6277M)/<br>GME L 1301<br>HYUNDAI MS 591-08<br>JASO M325<br>JIS K2234<br>JOHN DEERE JDM H5<br>KOMATSU AF-NAC (07.892 (2009))<br>LIEBHERR MD 1-36-130<br>MACK 014 GS 17009<br>MAZDA MEZ MN 121 D<br>PSA B 71 5110<br>RENAULT 41-01-001/- -S Type D<br>Bergen Engines 2.13.01<br>SAAB B 040 1065<br>SKODA 61-0-0257<br>TOYOTA TSK 2601G-8A<br>VW TL 774-D/F (G12+ / different colour)<br>VOLVO COOLANT VCS (STD 418-0001)<br>VOLVO COOLANT XLC (STD 418-0005) |
|  | 12 x 1 L (Tin), 3 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)  |   |  |   |
| <b>MAINTAIN FRICOFIN LL 50</b>  | Premium Performance Coolant Ready-Mix based on monoethylene glycol. Free of nitrites, amines, phosphates and silicates with OAT-technology. Offers frost protection down to -40 °C. Product dyeing: orange. | ASTM D 3306 TYPE III<br>ASTM D 6210 TYPE III-FF<br>BS 6580:2010   | CAT / MWM TR 0199-99-2091<br>DAF 74002<br>DEUTZ DQC CB-14<br>MAN 324 TYPE SNF<br>MB-APPROVAL 326.3<br>MTU MTL 5048   | ASTM D 4985<br>SAE J1034<br>Bez.Reg.Arnsbg. E62.12.22.64-2011-1<br>CATERPILLAR MAK A4.05.09.01<br>CHRYSLER MS 12106<br>CNH MAT 3624<br>CNH MAT 3724<br>CUMMINS CES 14603, CES 14439<br>DETROIT DIESEL 93K217<br>FIAT 9.55523<br>FORD WSS-M97-B44-D2<br>GM GMW 3420 (6277M)<br>HYUNDAI MS 591-08<br>JAGUAR LAND ROVER STJLR.651.5003<br>JOHN DEERE JDM H5<br>KOMATSU AF-NAC (ready mix) (07.892 (2009))<br>LIEBHERR MD 1-36-130<br>MACK 014 GS 17009<br>MAZDA MEZ MN 121 D<br>PSA B 71 5110<br>RENAULT 41-01-001/- -S Type D<br>SAAB B 040 1065<br>SKODA 61-0-0257<br>TOYOTA TSK 2601G-8A<br>VAUXHALL GME L1301<br>VOLVO COOLANT VCS (STD 418-0001)<br>VW TL 774-D/F (G12+ / different colour)   |
|  | 3 x 5 L (Canister), 205 L (Drum), 1.000 L (IBC)   |   |  |   |

# MAINTAIN







| Product name                              | Description   | Specifications   | Approvals   | FUCHS Recommendations  |
|---|---|--|---|--|
| <b>Antifreezes</b>                        |   |  |   |  |
| <b>MAINTAIN FRICOFIN V</b>                | Premium Performance Coolant Concentrate based on monoethylene glycol and glycerin. Free of nitrites, amines and phosphates with Si-OAT-technology. Product dyeing: pink-violet.                         | ASTM D 3306 TYPE V<br>BS 6580:2010   | VW TL 774-J (G13)   | –  |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)   |  |   |  |
| <b>MAINTAIN FRICOFIN DP</b><br>           | Premium Performance Coolant Concentrate based on monoethylene glycol. Free of nitrites, amines and phosphates with Si-OAT-technology. Product dyeing: pink-violet.                                      | AFNOR NF R 15-601 TYPE 1<br>AS/NZS 2108:2004 TYPE A<br>ASTM D 3306 TYPE I<br>ASTM D 4985<br>BS 6580:2010<br><b>CUNA NC 956-16</b><br><b>JIS K 2234:2006</b><br>SAE J814<br><b>SAE J1034</b><br><b>SANS 1251:2005</b><br><b>China GB 29743-2013</b> | <b>CUMMINS CES 14603</b><br>DEUTZ DQC CC-14<br>MAN 324 TYPE Si-OAT<br>MB-APPROVAL 325.5<br>MB-APPROVAL 325.6<br><b>MTU MTL 5048</b><br>VW TL 774-G (G12++)<br><b>VOITH (172.00225040 – Type Si-OAT)</b> | <b>ASTM D 6210 TYPE I</b><br>DETROIT DIESEL 93K217<br>SCANIA TB 1451<br><b>LIEBHERR LH-01-COL3A</b><br><b>PN-C 40007:2000</b>  |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)   |  |   |  |
| <b>MAINTAIN FRICOFIN DP 50</b><br>        | Premium Performance Coolant Ready-Mix based on monoethylene glycol. Free of nitrites, amines and phosphates with Si-OAT-technology. Offers frost protection down to -40 °C. Product dyeing: pink-violet | AFNOR NF R 15-601 TYPE 3<br>ASTM D 3306 TYPE III<br>ASTM D 4985<br>BS 6580:2010<br>SAE J814<br>CUMMINS CES 14603   | DEUTZ DQC CC-14<br>MAN 324 TYPE Si-OAT<br>MB-APPROVAL 326.5<br>MB-APPROVAL 326.6<br><b>MTU MTL 5048</b><br>VW TL 774-G (G12++)<br><b>VOITH (172.00225040 – Type Si-OAT)</b>                             | <b>ASTM D 6210 TYPE III</b><br>DETROIT DIESEL 93K217<br>SCANIA TB 1451   |
|   | 3 x 5 L (Canister), 205 L (Drum), 1.000 L (IBC)   |  |   |  |
| <b>MAINTAIN FRICOFIN 50</b>               | Premium Performance Coolant Ready-Mix based on monoethylene glycol. Free of nitrites, amines and phosphates with hybrid technology. Offers frost protection down to -37 °C. Product dyeing: blue-green. | AFNOR NF R 15-601 TYPE 3<br>ASTM D 3306 TYPE III<br>ASTM D 4985<br>BS 6580:2010<br>SAE J814  | DEUTZ DQC CA-14<br>MB-APPROVAL 326.0<br><b>MTU MTL 5048</b>   | BMW LC-87 (BMW GS 94000)<br>DAF 74001<br><b>GM 1899-M</b><br>INNIO JENBACHER TA 1000-0201<br>LIEBHERR TLV 035/TLV 23009 A<br>MAN 324 TYPE NF<br>MAN 324 TYPE NF PRITARDER<br>CAT / MWM TR 0199-99-2091<br>OPEL/GM B 040 0240<br>PN-C 40007:2000<br>VOITH TURBO 172.00225010<br>VW TL 774-C (G11) |
|   | 1.000 L (IBC)   |  |   |  |
| <b>MAINTAIN FRICOFIN FP</b><br><b>NEW</b> | Premium Performance Coolant Concentrate based on monoethylene glycol. Free of nitrites, amines and borates. Product dyeing: light blue.   | AFNOR NF R 15-601<br>BS 6580:2010  | –   | ASTM D 3306 TYPE I   |
|   | 12 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC)   |  |   |  |

## Service Products

| Product name  | Description   | Specifications  | Approvals | FUCHS Recommendations  |
|---|---|---|-----------|--|
| <b>Brake Fluids</b>   |   |   |           |  |
| <b>MAINTAIN<br/>DOT 514 LV</b><br><br><br><b>NEW</b> | Premium Performance Brake Fluid for hydraulic brake systems and clutch actuation in passenger cars, trucks and motorcycles. | FMVSS NR. 116 DOT 3/4/5.1<br>ISO 4925 CLASS 3/4/5-1/6/7<br>JIS K2233 CLASS 3/4/5/6<br>SAE J 1703/1704 | –         | BMW QV 34001<br>FORD M6C65-A2<br><b>FORD M6C62-A</b><br><b>FORD M6C9103-A</b><br>GM Europa GMW 3356<br>MB 331.0<br>PSA S71 2114<br>RENAULT 41-02-001/--H<br><b>VW TL 766-X, 766-Y, 766-Z</b> |
|    | 6 x 1 L (Tin), 3 x 5 L (Canister), 20 L (Canister), 60 L (Drum), 205 L (Drum)   |   |           |  |
| <b>MAINTAIN<br/>DOT 4 HT</b>  | Premium Performance Brake Fluid for hydraulic brake systems and clutch actuation in passenger cars, trucks and motorcycles. | FMVSS NR. 116 DOT 3/4<br>ISO 4925 CLASS 3/4<br>JIS K2233 CLASS 3/4<br>SAE J1703/J1704                 | –         | FORD M6C62-A<br>FORD M6C9103-A<br>NH 800A<br>OPEL 19 42 421<br>VW TL 766-X   |
|    | 6 x 1 L (Tin), 3 x 5 L (Canister), 205 L (Drum)   |   |           |  |



**MAINTAIN**

| Product name  | Description   | Specifications                                 | Approvals | FUCHS Recommendations |
|---|---|--|-----------|-----------------------|
| <b>Fuel Additives</b>   |   |  |           |                       |
| <b>MAINTAIN DIESEL EFFECT</b><br><b>NEW</b>   | Premium Performance Fuel Additive improving Diesel fuel properties for singular as well as constant treatment.                | –  | –         | –                     |
|    | 20 x 1 L (Tin)  |  |           |                       |
| <b>MAINTAIN GASOLINE PLUS</b>   | Premium Performance Fuel Additive designed to clean the entire fuel system of gasoline engines. Recommended for constant use. | –  | –         | –                     |
|     | 40 x 0,25 L (Tin), 1.000 L (IBC)  |  |           |                       |
| <b>MAINTAIN WINTERFIT</b>   | Premium Performance Diesel Fuel and Heating Oil Additive to prevent waxing and plugging at low temperatures.                  | –  | –         | –                     |
|    | 20 x 1 L (Tin), 20 L (Canister), 205 L (Drum)   |  |           |                       |
| <b>Specialties – Oil Binder</b>   |   |  |           |                       |
| <b>MAINTAIN ABSORPEX</b>  | Oil Binder Type III R, Chemical Binder  | Reported by Hygiene Institut Gelsenkirchen MPL | –         | –                     |
|   | Packages on request   |  |           |                       |

# SPECIALTIES

Buzzwords such as fuel economy and energy saving are becoming more and more popular. In the light of this, and in order to meet the special demands of a large construction machinery manufacturer, we have developed and successfully launched the new RENOLIN XtremeTemp hydraulic oil.

RENOLIN XtremeTemp significantly reduces fuel consumption while at the same time offering high efficiency, longer service life and thereby less maintenance and lower failure related downtimes as well as a broader operating temperature range. RENOLIN XtremeTemp significantly reduces the operating costs of machinery such as earth-moving machines.

You can benefit from our experience, too.



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## Specialties

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|   |       |
|---|-------|
| Central Hydraulic / Power Steering Fluids   | 62-64 |
| Dedicated Hybrid Transmission Fluid (DHTF),<br>Electric Driveline (EDF)                                   | 65    |
| Biodegradable Lubricants<br>(Engine Oil, Multifunctional Oil, Hydraulic and<br>Lubricating Oils, Greases) | 66-68 |
| Multigrade Hydraulic Oils   | 69    |
| Hydraulic and Industrial Gear Oils  | 70    |
| Refrigeration Oils  | 71    |
| Lubricants for Noise Reduction  | 72-73 |
| Greases   | 74-79 |
| Assembly Aids, Cleaner  | 80-82 |
| Skin protection, Skin Cleansing, Skin Care  | 83    |
| Corrosion Preventives   | 84-85 |

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## FUCHS TITAN CHF - Central hydraulic and power steering fluids of the highest quality

Modern central hydraulic and power steering systems require special formulations to ensure the best performance, durability and especially safety. The majority of our TITAN CHF range was developed for initial filling by various OEM and thus covers the highest OEM quality standards.

Convince yourself of our excellent portfolio of central hydraulic fluids and power steering fluids.






## Specialties

**TITAN**

| Product name  | Description   | Specifications     | Approvals   | FUCHS Recommendations   |
|---|---|--------------------|---|---|
| <b>Central Hydraulic / Power Steering Fluids</b>    |   |                    |   |   |
| <b>TITAN CHF 115</b>                                | Premium Performance Power Steering and Central Hydraulic Fluid with a wide application and approval profile for various manufacturers.<br>Product dyeing: green.                      | FORD WSS-M2C204-A  | CHRYSLER MS-11655B<br>EvoBus 39.060-001<br>MAN M 3289<br>MB-APPROVAL 345.0<br>PSA S71 2710<br>ZF TE-ML 02K (ZF004744)<br>VW TL 52 146 (G 002 000) | BENTLEY JNV862564F<br>BMW 81 22 9 407 758<br>BMW 82 11 1 468 041<br>BMW 83 29 0 429 576<br>FENDT X 902 011 622<br>IVECO 18-1807 CLASSE APU<br>OPEL B 040 0070<br>PORSCHE 000 043 203 33<br>SAAB 3032 380<br>VOLVO 1161529 |
|   | 6 x 1 L (Tin), 20 L (Canister), 60 L (Drum), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                    |   |   |
| <b>TITAN CHF 202</b><br><br><b>BluEV TECHNOLOGY</b> | Premium Performance Power Steering and Central Hydraulic Fluid with a wide application and approval profile for various manufacturers.<br>Product dyeing: green.                      | FORD WSS-M2C204-A2 | HYUNDAI 00232-19017<br>OPEL B 040 2012<br>VW TL 52 146.01 (G 004 000)   | AUDI/VW G 004 012<br>PORSCHE 000 043 206 56<br>PORSCHE 000 043 305 74<br>SAAB 93160548<br>VOLVO 30741424<br>LAND ROVER LR003401   |
|   | 6 x 1 L (Tin), 20 L (Canister), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                    |   |   |
| <b>TITAN CHF 5364 B</b>                             | Premium Performance Central Hydraulic Fluid approved by Mercedes-Benz for level control systems in passenger cars formulated with fully-synthetic base oils.<br>Product dyeing: none. | –                  | MB-APPROVAL 344.0   | –   |
|   | 6 x 1 L (Tin), 205 L (Drum)   |                    |   |   |
| <b>TITAN LHM+</b>                                   | Ultra High Performance Central Hydraulic Fluid for use in the comfort and safety area of PSA vehicles.<br>Product dyeing: green-yellow.   | –                  | PSA B71 2710  | IVECO 18-1823<br>CNH MAT 3630<br>NH 610A<br>SDFG OF1611S  |
|   | 6 x 1 L (Tin), 205 L (Drum), 1.000 L (IBC), Tank Truck  |                    |   |   |

## Specialties





**TITAN**

| Product name  | Description  | Specifi-<br>cations | Approvals         | FUCHS<br>Recommendations |
|---|--|---------------------|-------------------|--------------------------|
| <b>Central Hydraulic / Power Steering Fluids</b>                                  |  |                     |                   |                          |
| <b>TITAN<br/>PSF</b>  | High Performance Power Steering Fluid approved by Mercedes-Benz for passenger cars and commercial vehicles.<br>Product dyeing: none. | –                   | MB-APPROVAL 236.3 | –                        |
|  | 6 x 1 L (Tin), 205 L (Drum), 1.000 L (IBC), Tank Truck   |                     |                   |                          |

## Specialties




## FUCHS BluEV



| Product name   | Description  | Specifications | Approvals  | FUCHS Recommendations |
|--|--|----------------|------------|-----------------------|
| <b>Dedicated Hybrid Transmission Fluid (DHTF)</b>  |  |                |            |                       |
| <b>FUCHS BluEV DHTF 9</b><br><b>NEW</b><br>   | Premium Performance Dedicated Hybrid Transmission Fluid specially developed for Hofer hybrid wet dual clutch transmissions as installed in McLaren hyper sports cars.<br><br>20 L (Canister)                         | –              | –          | McLaren 8ESSG         |
| <b>Electric Driveline (EDF)</b>  |  |                |            |                       |
| <b>FUCHS BluEV EDF 7005</b><br><b>NEW</b><br> | Premium Performance Electric Driveline Fluid for direct cooled E-motors. Provides heavily increased efficiency compared to current market products.<br><br>20 L (Canister), 205 L (Drum)                             | –              | –          | TESLA EDF-2           |
| <b>FUCHS BluEV EDF 6535</b><br><b>NEW</b><br> | Premium Performance Electric Driveline Fluid for E-axes with dry E-motor. Provides high efficiency potential for increased driving range and additionally lowering CO <sub>2</sub> footprint.<br><br>20 L (Canister) | –              | –          | –                     |
| <b>FUCHS BluEV EDF 5930</b><br><b>NEW</b><br> | Premium Performance Gear Oil specifically for use in hybridized drive trains in commercial vehicles. Developed for the longest oil drain intervals.<br><br>20 L (Canister)   | –              | MAN M 3703 | –                     |







## Specialties



| Product name  | Description  | Specifications       | Approvals          | FUCHS Recommendations   |
|---|--|----------------------|--------------------|---|
| <b>Biodegradable Engine Oil</b>   |  |                      |                    |   |
| <b>PLANTO<br/>MOT<br/>SAE 10W-40</b>  | Low-ash diesel engine oil for modern diesel engines. Biodegradable and especially recommend for use with alternative diesel fuels. | –                    | DEUTZ DQC IV-18 LA | ACEA E9, E7, E6<br>API CK-4<br>CAT ECF-3<br>CUMMINS CES 20086<br>DETROIT DIESEL 93K222<br><b>JASO DH-2</b><br>MACK EOS-4.5<br>MAN M 3271-1<br>MAN M 3477<br>MB 228.51<br>MTU TYPE 3.1<br>RENAULT RLD-3/RLD-4<br>VOLVO VDS-4.5 |
|    | 20 L (Canister)  |                      |                    |   |
| <b>Biodegradable Multifunctional Oil (UTTO)</b>   |  |                      |                    |   |
| <b>PLANTO<br/>HYTRAC PLUS</b>   | Biodegradable Premium Performance Multifunctional Oil (UTTO) for tractor gearboxes with or without wet brakes.                     | SAE 10W-30<br>SAE 80 | –                  | CASE MS 1207, 1209<br>FORD M2C134-D<br>JOHN DEERE JDM J20C<br>NEW HOLLAND NH 410 BS<br>MASSEY FERGUSON CMS<br>M1127, 1135, 1143<br>HLP/HVLP ISO VG 32, 46, 68, 100<br>according to DIN 51 524-2 /-3)                          |
|   | 20 L (Canister), 205 L (Drum)  |                      |                    |   |




















# PLANTO



| Product name   | Description  | Density at 15 °C<br>kg/m <sup>3</sup> | Flash point<br>Clev.<br>°C | Kin. visc. at 40 °C<br>mm <sup>2</sup> /s | Kin. visc. at 100 °C<br>mm <sup>2</sup> /s | VI  | Pour-point<br>°C | Main application area   |
|--|--|---------------------------------------|----------------------------|---|--|-----|------------------|---|
| <b>Environmentally Friendly Hydraulic and Lubricating Oils</b>   |  |                                       |                            |   |  |     |                  |   |
| <b>PLANTOSYN 3268 ECO</b><br> | PLANTOSYN 3268 ECO – hydraulic oil based on synthetic esters with additives to increase ageing stability. Biodegradable acc. to OECD 301 B >60%. High wear protection. Surpasses the requirements acc. to ISO 15380: HEES DIN 51524-3: HVLP (except: Dry TOST test). Awarded the EU Ecolabel. (EEL)  | 920                                   | 300                        | 47  | 9.5  | 191 | -45              | Universally recommended for hydraulic systems from -30 °C to +90 °C (oil sump temperature). The changeover guidelines according to DIN ISO 15380 must be observed.<br><br>Approved by<br>FENDT KDM 28/2006  |
|                               | 20 L (Canister), 205 L (Drum), 1000 L (IBC), Tank Truck  |                                       |                            |   |  |     |                  |   |
| <b>PLANTOSYN 3268</b><br>    | PLANTOSYN 3268 is a biodegradable hydraulic and lubricating oil based on fully saturated synthetic esters. Biodegradable acc. to OECD 301 B >60%. High wear protection, good elastomer and yellow metal compatibility, very good oxidation stability. Surpasses the requirements on hydraulic oils acc. to ISO 15380: HEES and DIN 51524-3: HVLP (except: Dry TOST test). Awarded the EU Ecolabel (EEL). | 913                                   | 290                        | 46  | 8.2  | 154 | -36              | Suitable for all mobile and stationary hydraulic systems for which the use of a rapidly biodegradable HEES hydraulic oil according to DIN ISO 15380 is recommended (e.g. in agriculture and forestry). Can be used where unsaturated, synthetic esters have failed. Extension of oil changing intervals possible. Oil sump temperature: -30 °C to 100 °C. Observe DIN ISO 15380 when making changeovers.<br><br>Approved by:<br>MANNESMANN<br>REXROTH<br>Sauer SUNDSTRAND<br>FENDT KDM 28/2006,<br>O&K Baumaschinen<br><br>Recommended for CAT BF-1, KRAMER ALLRAD; PLAFINGER; SAUER DANFOSS; TIMBERJACK; VALMET/ KOMATSU; FOREST; PONSSE |
|                             | 20 L (Canister), 205 L (Drum), Tank Truck  |                                       |                            |   |  |     |                  |   |
| <b>PLANTO TAC 68</b><br>    | Biodegradable high-performance chain saw oil based on rapeseed oils. Excellent lubrication behaviour, good ageing resistance.  | 924                                   | >270                       | 68  | 12.0                                       | 216 | -39              | For the professional use in chain saws.<br><br>Recommendations:<br>Husqvarna, Stihl, Solo, Dolmar   |
|                             | 4 x 5 L (Canister), 205 L (Drum), Tank Truck   |                                       |                            |   |  |     |                  |   |






## Specialties

PLANTO

| Product name  | Classification<br>DIN 51502<br>ISO 6743-9                               | Thickener<br>Base oil       | Solid<br>lubri-<br>cants | NLGI<br>grade | Base oil<br>viscosi-<br>ty at<br>40 °C<br>[mm <sup>2</sup> /s] | Tem-<br>pera-<br>ture<br>range<br>[°C] | Approvals,<br>recommen-<br>dations   | Main application area  |
|---|---|-----------------------------|--------------------------|---------------|--|--|--|--|
| <b>Rapidly Biodegradable Greases</b>  |   |                             |                          |               |  |  |  |  |
| <b>PLANTOGEL<br/>ECO 1 N</b>  | ISO-L-<br>XB(F)BEA 1  | Calcium<br>Rape seed<br>oil | –                        | 1             | 36   | -20 /<br>+80                           | EU Ecolabel<br>DE/027/273<br>   | Rapidly biodegradable lubricating grease, e.g. for lock gates or in agriculture and forestry.  |
|    | 18 kg (Bucket)  |                             |                          |               |  |  |  |  |
| <b>PLANTOGEL<br/>ECO 2 N</b>  | ISO-L-<br>XB(F)BEA 2  | Calcium<br>Rape seed<br>oil | –                        | 2             | 36   | -20 /<br>+80                           | EU Ecolabel<br>DE/027/273<br>   | Rapidly biodegradable lubricating grease, e.g. for lock gates or in agriculture and forestry.  |
|         | 12 x 0,4 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobbock), 180 kg (Drum) |                             |                          |               |  |  |  |  |
| <b>PLANTOGEL<br/>ECO 000 S</b>  | –   | Li/Ca<br>synth.<br>ester    | –                        | 00-000        | 56   | -40 /<br>+120                          | –  | Rapidly biodegradable semi-fluid grease for lubrication of plain and roller bearings in commercial vehicles and construction machinery with central lubrication systems. Also for gear systems which are exposed to low to medium loads. |
|    | 18 kg (Bucket)  |                             |                          |               |  |  |  |  |
| <b>PLANTOGEL<br/>ECO 2 S</b>  | ISO-L-<br>XD(L)CEB 2  | Li/Ca<br>synth.<br>ester    | –                        | 2             | 105  | -40 /<br>+120                          | EU Ecolabel<br>DE/027/273<br> | Rapidly biodegradable EP multipurpose grease for plain and roller bearing lubrication, e.g. water turbines or in agriculture and forestry. Good pumpability in central lubricating systems.  |
|     | 12 x 0,4 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobbock), 180 kg (Drum) |                             |                          |               |  |  |  |  |
| <b>PLANTOGEL<br/>ECO 2 FS</b>   | –   | Li/Ca<br>synth.<br>ester    | •                        | 2             | 195  | -30 /<br>+120                          | –  | Rapidly biodegradable EP multipurpose grease with solid lubrications for lubrication of plain and roller bearings, e.g. commercial vehicles and construction machinery.  |
|     | 18 kg (Bucket), 180 kg (Drum)   |                             |                          |               |  |  |  |  |
| <b>PLANTOGEL<br/>ECO 402 S</b>  | ISO-L-<br>XD(F)BFB 2  | Li/Ca<br>synth.<br>Ester    | –                        | 2             | 240  | -40 /<br>+120                          | EU Ecolabel<br>DE/027/273<br> | Rapidly biodegradable EP multipurpose grease for lubrication of plain and roller bearings, e.g. commercial vehicles and construction machinery. Good pumpability in central lube systems.  |
|    | 18 kg (Bucket)  |                             |                          |               |  |  |  |  |

**TITAN**

| Product name  | Description   | Density at 15 °C<br>kg/m <sup>3</sup> | Flash point Clev.<br>°C | Kin. visc. at 40 °C<br>mm <sup>2</sup> /s | Kin. visc. at 100 °C<br>mm <sup>2</sup> /s | VI  | Pour-point<br>°C | Main application area  |
|---|---|---------------------------------------|-------------------------|---|--|-----|------------------|--|
| <b>Multigrade Hydraulic Oils</b>  |   |                                       |                         |   |  |     |                  |  |
| <b>TITAN HYD MR 530 MC</b>  | Ultra High Performance multigrade hydraulic oil for working machines (construction machines) as well as other automotive passenger car applications. Fulfils and surpasses the requirements on hydraulic oils HVLDP acc. to DIN 51524-3 (except: detergent / dispersant) HVLDP covers SAE 5W until 30 resp. ISO VG 32 until 68 (100). | 854                                   | 240                     | 46  | 8.1  | 150 | -42              | For application in working machines (construction machines) as well as other automotive vehicles.  |
|  | 60 L (Drum), 205 L (Drum), Tank Truck   |                                       |                         |   |  |     |                  |  |
| <b>TITAN HYD 1030</b>   | High Performance multigrade hydraulic oil for general machinery and motor vehicle applications. Fulfils and surpasses the requirements on hydraulic oils HVLP acc. to DIN 51524-3 resp. HV acc. to ISO 11158.   | 868                                   | 240                     | 68  | 11.0                                       | 153 | -36              | For application in hydraulic systems in vehicles and working machines.<br><br>Approved for Denison HF0.<br>Recommended for CASE MS 1216. |
|  | 20 L (Canister), 205 L (Drum), Tank Truck   |                                       |                         |   |  |     |                  |  |

| Product name   | Description   | Density at 15 °C<br>kg/m <sup>3</sup> | Flash point Clev.<br>°C | Kin. visc. at 40 °C<br>mm <sup>2</sup> /s | Kin. visc. at 100 °C<br>mm <sup>2</sup> /s | VI  | Pour-point<br>°C | Main application area   |
|--|---|---------------------------------------|-------------------------|---|--|-----|------------------|---|
| <b>Hydraulic and Industrial Gear Oils</b>  |   |                                       |                         |   |  |     |                  |   |
| <b>RENOLIN XtremeTemp 46</b><br>        | Universal, high-performance hydraulic oil with high viscosity index and excellent shear stability (VI ≥ 180). Based on special hydrogenated base oils, very good ageing behaviour, long lifetime, excellent corrosion protection and very good zinc-containing wear protection for high pressure - good demulsifying properties.<br><br>Fulfils and surpasses:<br>DIN 51524-3: HVLP<br>ISO 6743-4: HV<br>ISO 11158: HV                            | 853                                   | 230                     | 48  | 9.3  | 180 | -34              | Universal high-performance multigrade hydraulic oil for stationary and mobile hydraulic systems, improved efficiency, increasing oil change intervals. Multigrade characteristics through high, shear-stable viscosity index. Energy and fuel saving through high volumetric efficiency.<br><br>Approvals:<br>Denison HF0, HF1, HF2<br>Bosch Rexroth RD90235 and RDE90245 |
| <b>RENOLIN XtremeTemp 46 Plus</b><br> | As RENOLIN XtremeTemp 46, but with additives which help to avoid stick-slip phenomena. For high-pressure applications; reduce friction especially in mixed friction conditions<br><br>DIN 51524-3: HVLP(D)<br>ISO 6743-4: HV  | 855                                   | 234                     | 48  | 9.3  | 181 | -34              | Slightly detergent, HVLP(D) high performance multigrade hydraulic oil for stationary and mobile hydraulic systems surpass HVLPD acc. to DIN 51524-3, wide temperature window, excellent shear stability. Helps to avoid stick-slip problems, especially at low speed and high load. Energy and fuel saving through high volumetric efficiency.                            |
| <b>RENOLIN UNISYN XT 220</b><br>      | Fully-synthetic industrial gear oils based on new, innovative polyalphaolefins with very high, natural, shear stable viscosity index and excellent low temperature behaviour. Excellent wear protection, high micropitting resistance and very good corrosion protection. RENOLIN UNISYN XT oils exceed the requirements on industrial gear oils CLP-HC acc. to DIN 51517-3, ISO 6743-6, ISO 12925-1: CKC, CKD, CKE, CKSMP and AGMA 9005/E02: EP. | 860                                   | 242                     | 220                                       | 29.4                                       | 174 | -42              | Suitable for the lubrication of gears and bearings. For the use in applications with high requirements on wide temperature range. Extremely low viscosity at low temperatures.<br><br>ISO VG 220 and 320 for wind turbine applications.<br><br>Approved by leading gear box manufacturers.<br><br><b>Based on mPAO</b>  |
| <b>RENOLIN UNISYN XT 320</b><br>      |   | 860                                   | 242                     | 320                                       | 40.2                                       | 179 | -42              |   |
| <b>RENOLIN UNISYN XT 460</b><br>      |   | 860                                   | 242                     | 460                                       | 54.5                                       | 188 | -39              |   |



## RENISO



| Product name  | Description  | Density at 15 °C<br>kg/m <sup>3</sup> | Flash point Clev.<br>°C | Kin. visc. at 40 °C<br>mm <sup>2</sup> /s | Kin. visc. at 100 °C<br>mm <sup>2</sup> /s | VI  | Pour-point<br>°C | Main application area  |
|---|--|---------------------------------------|-------------------------|---|--|-----|------------------|--|
| <b>RENISO PAG – Fully Synthetic Refrigeration Oils based on Polyalkylene Glycols (PAG) for Car A/C Systems</b>              |  |                                       |                         |   |  |     |                  |  |
| <b>RENISO PAG 46</b><br>🔧 📄<br>(on request)   | <b>RANGE RENISO PAG</b><br>Synthetic refrigeration oils based on special polyalkylene glycols (PAG) for automotive air conditioning units with R134a. Also suitable for hydrocarbon applications.<br>DIN 51503: KAB, KD, KE. | 992                                   | 240                     | 55  | 10.6                                       | 187 | -45              | Refrigeration oils based on polyalkylene glycols for application with the refrigerant R134a used in car and truck air conditioning systems (A/C systems). RENISO PAG 100 is especially suitable for vane compressors.  |
| <b>RENISO PAG 100</b><br>🔧<br>(on request)  |  | 996                                   | 240                     | 120                                       | 21.0                                       | 202 | -45              | RENISO PAG 46 and PAG 100 can be used together with hydrocarbon refrigerant and ammonia.<br><b>Based on polyglycol</b>   |
| <b>RENISO PAG 1234</b><br>🔧   | Synthetic refrigeration oil on the basis of double end-capped polyalkylene glycols (PAG). For vehicle a/c systems with R1234yf. Also suitable for R134a.<br>DIN 51503: KD.   | 993                                   | 224                     | 44  | 9.8  | 218 | -45              | RENISO PAG 1234 has been newly developed for car air conditioning systems with R1234yf. The product combines both good miscibility properties and high thermo-chemical stability in contact with the refrigerant. Basic fluid and addition of RENISO PAG 1234 guarantee best lubrication properties and wear protection.<br><b>Based on polyglycol</b>               |
| <b>RENISO ACC HV – Fully Synthetic Refrigeration Oil based on Polyalkylene Glycols (PAG) for CO<sub>2</sub> A/C Systems</b> |  |                                       |                         |   |  |     |                  |  |
| <b>RENISO ACC HV</b><br>🔧 📄   | Synthetic refrigeration oil based on special, double end-capped PAGs for transcritical CO <sub>2</sub> application. Especially developed for automotive A/C systems.<br>DIN 51503: KB.                                       | 991                                   | 229                     | 65  | 13.5                                       | 216 | -45              | RENISO ACC HV was developed in close collaboration with leading compressor manufacturers and OEMs specific for CO <sub>2</sub> air conditioning systems in vehicles. RENISO ACC HV is based on chemical and thermal extremely stable double end-capped PAG fluids with efficient addition – especially with regard to wear protection.<br><b>Based on polyglycol</b> |

## Specialties



| Product name                                     | Description   | Density at 20 °C<br>kg/m <sup>3</sup> | Flash point Clev.<br>°C | Kin. visc. at 40 °C<br>mm <sup>2</sup> /s | Kin. visc. at 100 °C<br>mm <sup>2</sup> /s | VI  | Pour-point<br>°C | Main application area  |
|--|---|---------------------------------------|-------------------------|---|--|-----|------------------|--|
| <b>Lubricants for Noise Reduction</b>            |   |                                       |                         |   |  |     |                  |  |
| <b>CARBAFLO KSP 105</b><br>Packages on request   | Perfluorinated high-performance lubricating fluids                    | 1700                                  | –                       | 148                                       | 18   | 135 | -42              | Reduce mechanical noise due to stick-slip effects in the passenger compartment of cars, e.g. leather creaking, squeaking of the instrument panel and interior trim.<br><br>The version CARBAFLO KSP 105-80 offers increased creeping ability when the product is applied.<br><br>Operating temperature: -40 to +200 °C<br><br><b>Base oil: fully synthetic</b> |
| <b>CARBAFLO KSP 105 SPRAY</b><br>☼ (20 x 100 ml) |   | 1700                                  | –                       | 160                                       | 18   | 135 | -42              |  |
| <b>CARBAFLO KSP 105</b><br>Packages on request   |   | 1700                                  | –                       | 148                                       | 18   | 135 | -42              |  |
| <b>CARBAFLO XTR 5F</b><br>Packages on request    | Perfluorinated high-performance lubricating fluid including UV-tracer | 1900                                  | –                       | 174                                       | 34   | 242 | -63              | After the evaporation of the carrier liquid a thin, anti-squeak-effective film remains which can be detected on any surface by a UV lamp. Used to avoid squeaking noise in the vehicle interior and for sealing systems.<br>Operating temperature: -40 to +220 °C<br><br><b>Base oil: fully synthetic</b>  |
| <b>CARBAFLO XTR 5F SPRAY</b><br>☼ (20 x 100 ml)  |   | 1900                                  | –                       | 174                                       | 34   | 242 | -42              |  |

Density Specification at 20 °C

☼ = Spray Can, ☼ = 20 L (Canister), ☼ = 205 L (Drum), ☼ = 1000 L (IBC), ☼ = Tank Truck



# CARBAFLO

| Product name                                     | Description   | Density at 20 °C<br>kg/m <sup>3</sup> | Flash point Clev.<br>°C | Kin. visc. at 40 °C<br>mm <sup>2</sup> /s | Kin. visc. at 100 °C<br>mm <sup>2</sup> /s | VI  | Pour-point<br>°C | Main application area   |
|--|---|---------------------------------------|-------------------------|---|--|-----|------------------|---|
| <b>Lubricants for Noise Reduction</b>            |   |                                       |                         |   |  |     |                  |   |
| <b>CARBAFLO XTR 5F 80</b><br>Packages on request | Perfluorinated high-performance lubricating fluid including UV-tracer | 1900                                  | –                       | 174                                       | 34   | 242 | -63              | After the evaporation of the carrier liquid a thin, anti-squeakeffective film remains which can be detected on any surface by a UV lamp. Used to avoid squeaking noise in the vehicle interior and for sealing systems. The CARBAFLO XTR 5F 80 version offers increased creeping ability when the product is applied.<br>Operating temperature:<br>-54 to +220 °C<br><br><b>Base oil: fully synthetic</b> |




















































## RENOLIT, CARBAFLO

| Product name  | Classification<br>DIN 51502<br>ISO 6743-9 | Thickener<br>Base oil  | Solid<br>lubri-<br>cants | NLGI<br>grade | Base oil<br>viscosi-<br>ty at<br>40 °C<br>[mm <sup>2</sup> /s] | Tem-<br>pera-<br>ture<br>range<br>[°C]               | Approvals,<br>recommen-<br>dations | Main application area  |
|---|---|------------------------|--------------------------|---------------|--|--|------------------------------------|--|
| <b>Greases in Spray Cans or Rattle Cans</b>   |   |                        |                          |               |  |  |                                    |  |
| <b>RENOLIT<br/>CA-LZ SPRAY</b><br><small>(Grease:<br/>RENOLIT CA-LZ)</small>        | –   | Calcium<br>Mineral oil | –                        | 2             | 700  | -30 /<br>+120<br>(after evapo-<br>ration<br>solvent) | –                                  | Strongly adhesive, protects from wear even under extreme conditions, very resistant to water wash-out from metallic surfaces, long-term lubrication of passenger cars and commercial vehicles, construction industry, industrial and agricultural machines.  |
|    | 12 x 400 ml                               |                        |                          |               |  |  |                                    |  |
| <b>CARBAFLO<br/>2160 SPRAY</b>  | –   | Synth. oil             | •                        | 2             | 310  | -60 /<br>+260  | –                                  | CARBAFLO 2160 is a white, almost transparent high-temperature paste for the lubrication of bearings, slide rails or plug-in contacts. It is resistant to most lyes and acids, features excellent EP properties and acts as electric insulator. The low evaporation rate of the base oil guarantees extended relubrication intervals. Properly applied, CARBAFLO 2160 guarantees a lifetime lubrication of sensitive slide rails and adjusting mechanisms like in sunroofs. |
|  | 12 x 100 ml                               |                        |                          |               |  |  |                                    |  |


















## Specialties

| Product name  | Classification<br>DIN 51502<br>ISO 6743-9  | Thickener<br>Base oil  | Solid<br>lubri-<br>cants | NLGI<br>grade | Base oil<br>viscosi-<br>ty at<br>40 °C<br>[mm <sup>2</sup> /s] | Tem-<br>pera-<br>ture<br>range<br>[°C] | Approvals,<br>recommenda-<br>tions             | Main application area   |
|---|--|------------------------|--------------------------|---------------|--|--|--|---|
| <b>Greases – Automotive Applications</b>  |  |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>CA-LZ</b><br>(Spray can:<br>RENOLIT CA-LZ<br>SPRAY)  | KP2K-30<br>ISO-L-<br>XC(F)CHB 2  | Calcium<br>Mineral oil | –                        | 2             | 700  | -30 /<br>+120                          | –  | Strongly adhesive, protects from wear even under extreme conditions, very resistant to water wash-out from metallic surfaces, long-term lubrication of passenger cars and commercial vehicles, construction industry, industrial and agricultural machines.   |
|       | 20 x 0,4 kg (Cartridge), 30 x 0,5 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)       |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>CXI 2</b>  | –  | CaSX<br>Mineral oil    | –                        | 2             | 400  | -20 /<br>+160                          | –  | Lubrication of high loaded, low speed plain and roller bearings and can be applied when the grease has to meet high demands on corrosion protection and working stability. Typical applications are plain and roller bearings in steel mills, paper industry, mining, concrete industry, quarries and construction equipment. |
|       | 12 x 0,4 kg (Cartridge), 20 x 0,5 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)       |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>CX-HT 2</b>  | –  | CaSX<br>Mineral oil    | •                        | 2             | 400  | -20/<br>+180                           | –  | Lubrication of high loaded, low speed plain and roller bearings, e.g. for kiln cars, construction machinery, steel mills, coal and ore mills.   |
|      | 20 x 0,5 kg (Cartridge), 18 kg (Bucket), 180 kg (Drum)   |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>FLM 0</b>  | –  | Lithium<br>Mineral oil | •                        | 0             | 100  | -30 /<br>+120                          | –  | For mechanically loaded lubricating points, grease with MoS <sub>2</sub> and additives to improve corrosion protection, EP and AW.  |
|    | 180 kg (Drum)  |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>FLM 2</b>  | KPF2N-30<br>ISO-L-<br>XC(F)DEB 2   | Lithium<br>Mineral oil | •                        | 2             | 100  | -30 /<br>+140                          | MAN 285 LI-PF<br>2                             | For mechanically loaded lubricating points, grease with MoS <sub>2</sub> , agricultural machines, commercial vehicles, construction industry, quarries and mining, rubber and concrete factory.   |
|      | 12 x 0,4 kg (Cartridge), 30 x 0,5 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum), BULK |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>LZR 000</b>  | GP00-<br>000G-40   | Li/Ca<br>Mineral oil   | –                        | 00-000        | 43   | -40 /<br>+110                          | MB Approval<br>264.0<br>MAN 283 LI-P<br>00/000 | Semi-fluid grease for central lubricating systems of commercial vehicles.   |
|      | 3 x 5 kg (Bucket), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)                                      |                        |                          |               |  |  |  |   |
| <b>RENOLIT<br/>LZR 2 H</b>  | KP2N-30<br>ISO-L-<br>XC(F)DIB 2  | Lithium<br>Mineral oil | –                        | 2             | 230  | -30 /<br>+140                          | Baier & Köppel                                 | Premium multipurpose grease, long-term rust prevention, sealing grease, central lubricating systems, sugar refineries, roof tile factories, paper industry, prevent standstill corrosion, hytrel compatibel.  |
|       | 24 x 0,1 kg (Tube), 12 x 0,4 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)            |                        |                          |               |  |  |  |   |

# RENOLIT


















| Product name  | Classification<br>DIN 51502<br>ISO 6743-9   | Thickener<br>Base oil  | Solid<br>lubri-<br>cants | NLGI<br>grade | Base oil<br>viscosity<br>at<br>40 °C<br>[mm <sup>2</sup> /s] | Tem-<br>pera-<br>ture<br>range<br>[°C] | Approvals,<br>recommenda-<br>tions   | Main application area  |
|---|---|------------------------|--------------------------|---------------|--|--|--|--|
| <b>Greases – Automotive Applications</b>  |   |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>LX 1</b>   | –   | Li-X<br>Mineral oil    | –                        | 1             | 160  | -30 /<br>+160                          | –  | Roller bearings, electric motor bearings, coupling bearings in the automotive sector, construction machines, forging presses.  |
|             | 12 x 0,4 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)   |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>LX 2</b>   | –   | Li-X<br>Mineral oil    | –                        | 2             | 160  | -30 /<br>+160                          | –  | Roller bearings, electric motor bearings, coupling bearings in the automotive sector, construction machines, forging presses, wheel bearings of commercial vehicles, machine tools.  |
|             | 12 x 0,4 kg (Cartridge), 30 x 0,5 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)                |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>LX 3</b>   | –   | Li-X<br>Mineral oil    | –                        | 3             | 160  | -20 /<br>+160                          | –  | Roller bearings, electric motor bearings, coupling bearings in the automotive sector, construction machines, forging presses, wheel bearings of commercial vehicles.   |
|      | 12 x 0,4 kg (Cartridge), 18 kg (Bucket), 180 kg (Drum)  |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>LX-OTP 2</b>   | –   | Li-X<br>Polyglycol     | •                        | 1-2           | 360  | -40 /<br>+160                          | MAN  | Lubrication of MAN knuckle pins.   |
|      | 12 x 0,4 kg (Cartridge), further packages on request  |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>LX-PEP 2</b>   | KP2N-30<br>ISO-L-<br>XC(F)DEB 2   | Li-X<br>Mineral oil    | –                        | 2             | 170  | -30 /<br>+150                          | MAN 284 Li-H2,<br>MB Approval<br>265.1,<br>ZF TE-ML 12,<br>Schaeffler Gruppe,<br>VW TL 52 147 X,<br>Interprecise<br>(IDC-Bearings),<br>Deutsche Bahn | Multipurpose grease, wheel bearings of motor vehicles, roller bearings of e-motors, needle bearings of cardan shafts, plain and roller bearings, ventilator grease.  |
|     | 12 x 0,4 kg (Cartridge), 12 x 0,5 kg (Cartridge), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)                |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>LX-PEP 3</b>   | KP3N-30<br>ISO-L-<br>XC(F)DEB 3   | Li-X<br>Mineral oil    | –                        | 3             | 170  | -30 /<br>+150                          | Interprecise<br>(IDC-Bearings)   | Multipurpose grease, wheel bearings of motor vehicles, roller bearings of e-motors, plain and roller bearings, ventilator grease.  |
|    | 180 kg (Drum)   |                        |                          |               |  |  |  |  |
| <b>RENOLIT<br/>MP</b>   | KP2K-40<br>ISO-L-<br>XD(F)CEB 2   | Lithium<br>Mineral oil | –                        | 2             | 35   | -40 /<br>+120                          | DBL 6804.00<br>MB Approval<br>267.0  | Multipurpose grease for lubricating points in passenger cars, commercial vehicles, engines, where constant temperature does not exceed 100 °C, sliding speeds are very low and which are not exposed to high mechanical loads. |
|     | 30 x 0,25 kg (Tube), 12 x 0,4 kg (Cartridge), 3 x 5 kg (Bucket), 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum) |                        |                          |               |  |  |  |  |

## Specialties

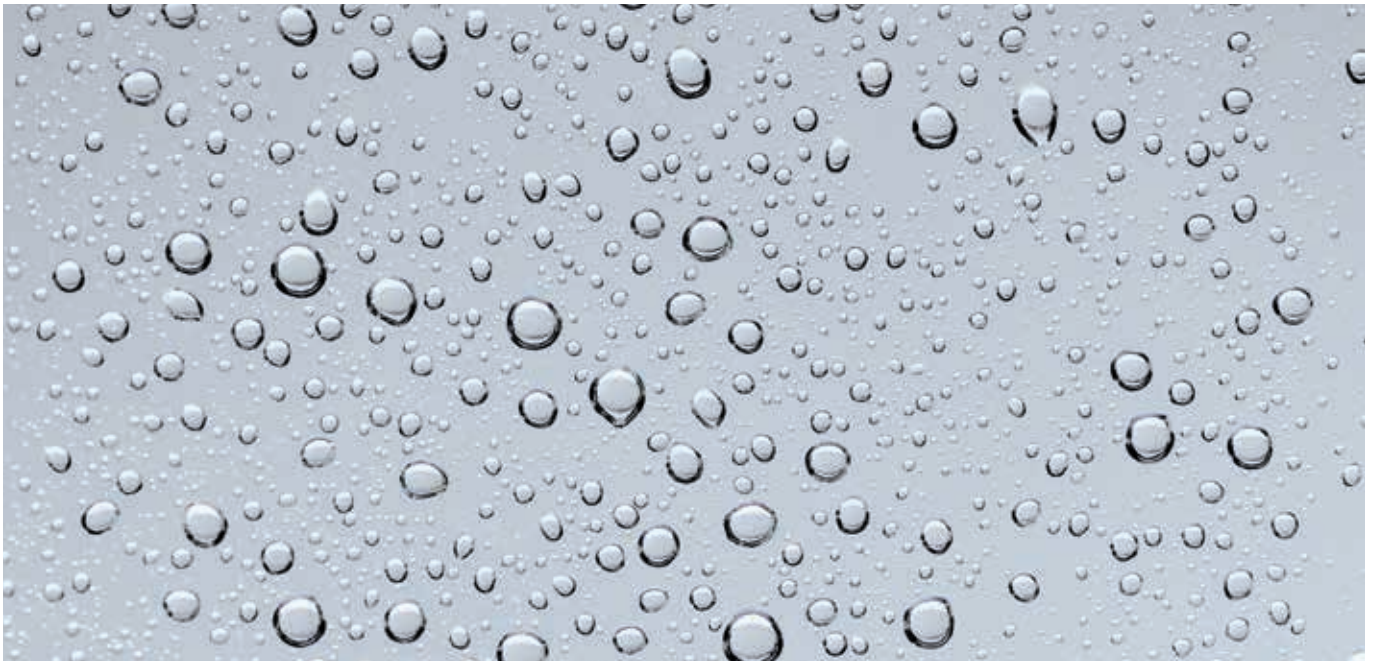
| Product name  | Classification<br>DIN 51502<br>ISO 6743-9   | Thickener<br>Base oil          | Solid<br>lubri-<br>cants | NLGI<br>grade | Base oil<br>viscosity<br>at<br>40 °C<br>[mm <sup>2</sup> /s] | Tem-<br>pera-<br>ture<br>range<br>[°C] | Approvals, re-<br>commendations  | Main application area   |
|---|---|--------------------------------|--------------------------|---------------|--|--|--|---|
| <b>Greases – Automotive Applications</b>  |   |                                |                          |               |  |  |  |   |
| <b>RENOLIT<br/>MP PLUS</b>  | KP2K-30<br>ISO-L-<br>XC(F)CEB 2   | Lithium<br>Mineral oil         | –                        | 2             | 100  | -30 /<br>+120                          | –  | High quality EP multipurpose grease with high adhesiveness for the lubrication of plain and roller bearings. Only available in SR cartridges.   |
|    | 20 x 0,5 kg (Cartridge)   |                                |                          |               |  |  |  |   |
| <b>RENOLIT<br/>MP 150</b>   | KP2K-40<br>ISO-L-<br>XD(F)CEB 2   | Lithium<br>Mineral oil         | –                        | 2             | 150  | -40 /<br>+120                          | DBL 6804.50<br>MB Approval<br>267.1  | Multipurpose grease for commercial vehicles. Daimler wheel bearing grease for workshop use.   |
|      | 3 x 5 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)   |                                |                          |               |  |  |  |   |
| <b>RENOLIT<br/>MP 735</b>   | KP2K-40<br>ISO-L-<br>XD(F)CEB 2   | Lithium<br>Mineral oil         | –                        | 2             | 105  | -40 /<br>+120                          | VW TL 735<br>MAN 283 Li-P 2<br>Stabilus 100 15883  | Multipurpose grease, roller and plain bearings in the chassis area  |
|      | 18 kg (Bucket), 50 kg (Hobcock), 180 kg (Drum)  |                                |                          |               |  |  |  |   |
| <b>RENOLIT<br/>POLAR BLACK</b>  | –   | Lithium<br>PAO                 | •                        | 1-2           | 340  | -50 /<br>+140                          | –  | Fully synthetic heavy duty all-season grease with solid lubricants for plain and roller bearings of construction machines and mining vehicles exposed to changing ambient temperatures.   |
|    | 180 kg (Drum)   |                                |                          |               |  |  |  |   |
| <b>URETHYN<br/>XHD 2</b>  | KPFH-<br>C2R-40   | Polyurea<br>Synth.<br>base oil | –                        | 2             | 290  | -40 /<br>+180                          | –  | Smooth, fully synthetic polyurea grease for extreme conditions, such as alternating speeds, temperatures and loads. URETHYN XHD 2 is especially suitable for bearings of large-size generators of wind turbines and thermally and mechanically highly loaded bearings in various industrial applications. |
|       | 12 x 0,4 kg (Cartridge), 4 x 3,540 kg (Cartridge), 5 kg (Bucket), 18 kg (Bucket), 25 kg (Hobcock), 185 kg (Drum)        |                                |                          |               |  |  |  |   |
| <b>STABYL<br/>LT 50</b>   | KPHC2N-50   | Lithium<br>Synth. oil          | –                        | 2             | 105  | -50 /<br>+130                          | FLSmidth MAAG<br>Gear, IMO,<br>Komatsu Mining<br>Germany,<br>Terex Germany,<br>ThyssenKrupp<br>Resource<br>Technologies,<br>ThyssenKrupp<br>Rothe Erde | Lubrication of plain and roller bearings at low temperatures and high loads, e.g. of construction machinery, in the steel or chemical industry.   |
|      | 30 x 0,4 kg (Cartridge), 6 x 1 kg (Can), 5 kg (Bucket), 18 kg (Bucket), 45 kg (Hobcock), 50 kg (Hobcock), 180 kg (Drum) |                                |                          |               |  |  |  |   |





# RENOLIT, GLEITMO, STABYL, URETHYN







| Product name  | Classification<br>DIN 51502<br>ISO 6743-9  | Thickener<br>Base oil              | Solid<br>lubri-<br>cants | NLGI<br>grade | Base oil<br>viscosi-<br>ty at<br>40 °C<br>[mm <sup>2</sup> /s] | Tem-<br>pera-<br>ture<br>range<br>[°C] | Approvals,<br>recommen-<br>dations   | Main application area   |
|---|--|------------------------------------|--------------------------|---------------|--|--|--|---|
| <b>Assembly Pastes</b>  |  |                                    |                          |               |  |  |  |   |
| <b>RENOLIT<br/>CHUCK PASTE</b>  | –  | Li/Ca<br>Mineral oil               | •                        | 2-3           | 166  | -30 /<br>+155                          | –  | Chucks for machine tools and as mounting aide for gears and electrical motors, etc., ejectors of plastic injection moulding machines (up to +100 °C), prevent corrosion and fretting corrosion.   |
|     | 12 x 0,4 kg (Cartridge), 6 x 0,5 kg (Tin)  |                                    |                          |               |  |  |  |   |
| <b>RENOLIT<br/>SI 300 M</b>   | MSI2P-70   | Lithium<br>Silicone oil            | –                        | 2             | 75   | -70 /<br>+160                          | DBL 6812.10<br>VW TL 767 X   | Low temperature grease for electric and electronic equipment, precision machines, sealing grease for radial waves sealing rings, groove rings, sea-ling-rings; lubrication of sealing bel-lows.   |
|     | 6 x 0,1 kg (Tube), 1 kg (Tin), 5 kg (Bucket)   |                                    |                          |               |  |  |  |   |
| <b>GLEITMO<br/>165</b>  | –  | Synth.<br>base oil                 | •                        | 2             | –  | -40 /<br>+1200                         | VW,<br>Volvo Car<br>Germany  | For lubrication of turbine bolts, high-temperature screws and for lubrication of bolts, slide rings, sliding rails at high temperatures. No formation of oxide layers.  |
|      | 6 x 1 kg (Tin), 5 kg (Bucket), 25 kg (Hobcock)   |                                    |                          |               |  |  |  |   |
| <b>PBC<br/>1574</b>   | –  | Inorg.<br>thickener<br>Mineral oil | •                        | 2-3           | –  | -20 /<br>+160<br>(+260)<br>+1200       | –  | PBC 1574 is used for the prevention of seizures on screw threads, linkages, pivots, flanges and mating surfaces subject to high temperatures, fretting corrosion, salt water and aggressive environmental media. The product is used to lubricate brake callipers and prevent corrosion of disc brakes. PBC 1574 is not electrically conductive and does not affect the sensors of ABS systems.   |
|      | 10 x 0,1 kg (Tube), 12 x 0,225 kg (Tin), 12 x 0,4 kg (Tin), 6 x 1 kg (Tin), 5 kg (Bucket), 18 kg (Bucket)                          |                                    |                          |               |  |  |  |   |
| <b>GLEITMO<br/>WSP 5040</b>   | –  | CaSX<br>Mineral oil                | •                        | 2             | 250  | -20 /<br>+140                          | COLUMBUS<br>McKINNON<br>Engineered<br>Products<br>(Pfaff-silber-<br>blau),<br>NEUERO<br>Industrietechnik für För-<br>deranlagen,<br>Sandvik,<br>ThyssenKrupp<br>Steel Europe | For machine elements of all types sub-jected to extreme pressures, shock loads and oscillatory movements. It is particularly appropriate if the surround- ing area is subject to high humidity or the effects of splash water. For sliding pairings, which have a tendency to stick slip and scuffing (fretting). At low sliding speeds and high pressures as well as where fretting corrosion is pre- sent. Application as a high-temperature screw paste up to +1,200 °C. |
|       | 24 x 0,1 kg (Tube), 30 x 0,4 kg (Cartridge), 12 x 0,5 kg (Cartridge), 6 x 1 kg (Tin), 5 kg (Bucket), 18 kg (Bucket), 200 kg (Drum) |                                    |                          |               |  |  |  |   |

## Specialties





| Product name  | Function  | Comments   | Materials | Corrosion protection, chip/filter test 0/0 at x% in y °dH or flash point in °C | pH (2%), if applicable | Concentration range in % | Temperature range in °C    | Spray pressure in bar to app. | Density at 15 °C in kg/m <sup>3</sup> |
|---|---|--|-----------|--|------------------------|--------------------------|----------------------------|-------------------------------|---------------------------------------|
| <b>Assembly Aids</b>  |   |  |           |  |                        |                          |                            |                               |                                       |
| <b>RENOCLEAN 431</b>  | Industrial assembly aid for rubber and elastomers                     | Lubricant, for example, for fitting window seals made of rubber, hoses, etc. Parts are fixed after drying, no more sliding effect  | –         | –  | 7 ± 1 (100%)           | 20 (10 - 30)             | Room temperature (15 - 30) | –                             | 1017 ± 15                             |
|  | 205 L (Drum)  |  |           |  |                        |                          |                            |                               |                                       |
| <b>RENOCLEAN GXS 9055</b>   | Assembly aids, ready for use, synthetic (ex PENTOSIN MONTAGEFLUID 55) | Aid for the assembly of various components. Compatible with all common lubricants and corrosion protection agents based on mineral, HC synthetic or synthetic oil as well as fuels | –         | ≥ 150  | –                      | 100                      | Room temperature (15 - 30) | –                             | 897 ± 10                              |
|  | 20 L (Canister)   |  |           |  |                        |                          |                            |                               |                                       |

# RENOCLEAN

| Product name  | Function  | Comments  | Materials  | Corrosion protection, chip/filter test 0/0 at x% in y °dH or flash point in °C | pH (2%), if applicable | Concentration range in % | Temperature range in °C | Spray pressure in bar to app. | Density at 15 °C in kg/m <sup>3</sup> |
|---|---|---|--|--|------------------------|--------------------------|-------------------------|-------------------------------|---------------------------------------|
| <b>Neutral Cleaner</b>  |   |   |  |  |                        |                          |                         |                               |                                       |
| <b>RENOCLEAN MTO 3001</b>   | Multi-metal capable neutral cleaner for spray and immersion applications  | Suitable for ultrasonic, universal use, e.g. before heat treatment, sprayable from ~ 45 °C, very low residue formation, salt-free   | Fe, Al, red brass, (Zn, Cu, Ms, Plastics) <sup>1</sup> | Temporarily, '2% / in DI water   | 9.5 ± 0.4              | 2.5 (1 - 7)              | 60 (30 - 80)            | 15                            | 1035 ± 15                             |
|    | 20 L (Canister), 205 L (Drum)   |   |  |  |                        |                          |                         |                               |                                       |
| <b>Special Products</b>   |   |   |  |  |                        |                          |                         |                               |                                       |
| <b>RENOCLEAN GXA 3004</b>   | Floor, plant and hall cleaners  | For all manual and mechanical applications, odourless, especially suitable for floor cleaning equipment   | All materials <sup>1</sup>                             | –  | 9.1 ± 0.6 (100%)       | 3 (1 - 20)               | 20 (20 - 90)            | –                             | 1047 ± 15                             |
|    | 20 L (Canister), 1000 L (IBC)   |   |  |  |                        |                          |                         |                               |                                       |
| <b>RENOCLEAN SPEZIAL 2000</b>   | Emulsifying universal cleaner for immersion, ultrasonic and manual cleaning of commercial vehicles, tarpaulins, halls and workshops | For all manual cleaning, for immersion, suitable for steam jet and floor cleaning equipment. Specifications<br>- FORD Tox-Number 150602 (2014)<br>- Federal-Mogul Nürnberg GmbH, Release number R041 (2014) | Fe, Mg, (Al, Cu, Ms, Lacke, Plastics) <sup>1</sup>     | –  | 10.9 ± 0.4 at 3%       | 5 (1 - 20)               | 35 (20 - 80)            | –                             | 1045 ± 20                             |
|    | 5 L (Canister), 20 L (Canister), 205 L (Drum), 1000 L (IBC)   |   |  |  |                        |                          |                         |                               |                                       |
| <b>RENOCLEAN GXA 4014</b>   | Universal cleaner for floors, halls and vehicle fleet   | For mechanical and manual cleaning of workshop, vehicle fleet, etc. Contains lime scent   | Fe, Mg, (Al, Cu, Ms, Lacke, Plastics) <sup>1</sup>     | –  | 11.7 ± 0.5 (1%)        | 3 (1 - 20)               | 20 (20 - 80)            | –                             | 1036 ± 15                             |
|    | 20 L (Canister)   |   |  |  |                        |                          |                         |                               |                                       |

## Specialties

| Product name  | Function   | Comments   | Materials                            | Evaporation number approx. Ether = 1 | Flash point in °C | Boiling range in °C | Density at 15 °C in kg/m <sup>3</sup> |
|---|--|--|--------------------------------------|--------------------------------------|-------------------|---------------------|---------------------------------------|
| <b>Solvents</b>   |  |  |                                      |                                      |                   |                     |                                       |
| <b>RENCLEAN MVS 9004</b>  | VOC-compliant, aromatics-free hydrocarbon cleaner                        | Universal application, slowly evaporating. Simple application, e.g. for the removal of car wax preservative. VW-Approval A29 2819                      | All materials, plastics <sup>1</sup> | 900                                  | ≥ 86              | 217 - 255           | 815 ± 20                              |
|  | 10 L (Canister), 205 L (Drum), 1000 L (IBC)                              |  |                                      |                                      |                   |                     |                                       |
| <b>FUCHS MVS 8201</b><br><b>NEW</b>   | Low-aromatic hydrocarbon cleaner, environmentally friendly, demulsifying | Universal application in industry and trade, applicable with steam jet, good corrosion protection properties. Free of corrosive and caustic substances | All materials, plastics <sup>1</sup> | 120                                  | ≥ 61              | 180 - 330           | 770 ± 20                              |
|  | 60 L (Drum)  |  |                                      |                                      |                   |                     |                                       |

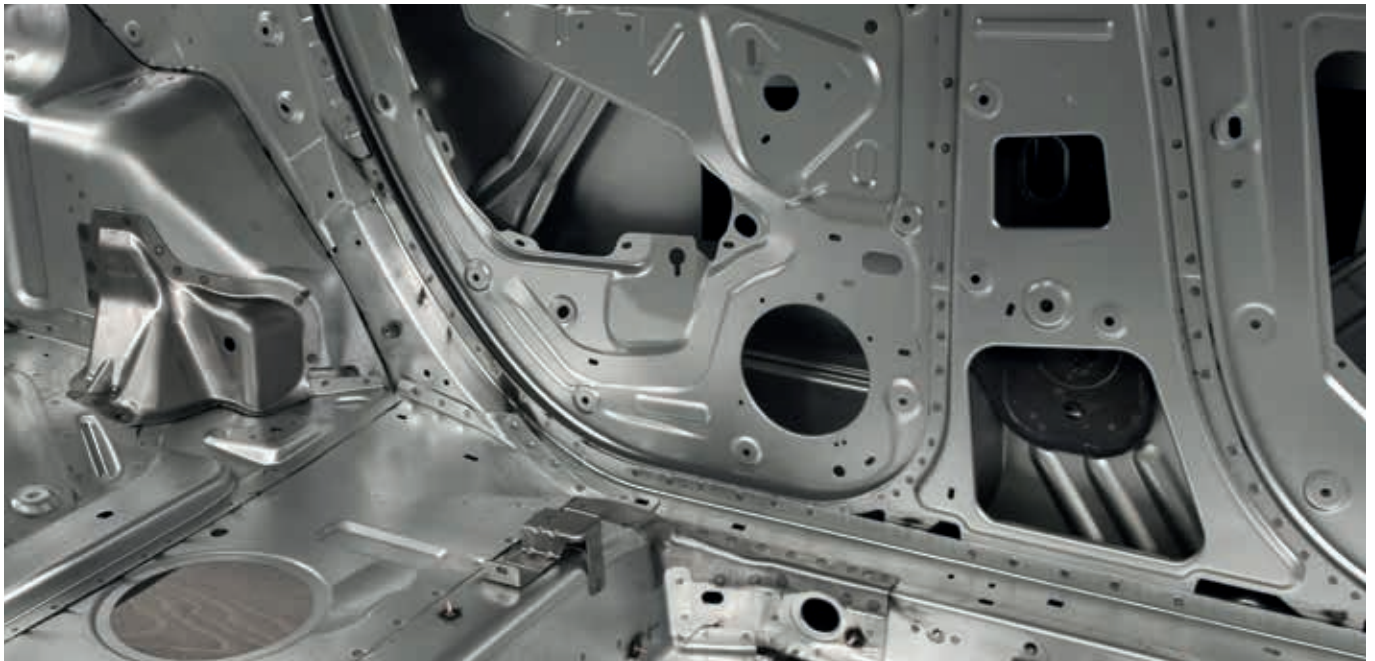


# RENOCLEAN





| Product name                                 | Function  | Application   | Comments  |
|--|---|---|---|
| <b>Skin Protection Prior to Work</b>         |   |   |   |
| <b>RENOCLEAN<br/>HAND PROTECT<br/>MULTI</b>  | Silicone-free, fingerprint-free, breathable and universally applicable skin protection cream                            | Before working with alternating substances (water-soluble and water-insoluble contaminants and irritants) | Forms a thin, invisible and protective film on the skin   |
| ! !  | 20 x 100 ml (Tube), 6 x 1000 ml (Pouch Bottle) – RENOCLEAN DONA 2000K Dispenser (for pouch bottle, 1000ml and 2000ml)   |   |   |
| <b>Skin Cleansing</b>                        |   |   |   |
| <b>RENOCLEAN<br/>HAND WASH<br/>MILD</b>      | Mild, soap-free, unscented skin cleansing gel   | For the cleansing of highly stressed and sensitive skin   | Especially suitable where frequent hand washing is necessary  |
| !  | 25 x 250 ml (Bottle), 6 x 2000 ml (Pouch Bottle) – RENOCLEAN DONA 2000K Dispenser (for pouch bottle, 1000ml and 2000ml) |   |   |
| <b>RENOCLEAN<br/>HAND WASH<br/>INTENSIVE</b> | Hand cleaner with abrasive particles for heaviest soiling   | Excellent for cleaning very dirty hands in repair workshops, mechanical engineering etc.                  | With natural scrubbing agents from corncobs, with a pleasant orange scent. pH-neutral and with conditioning substances. Free of plastic scrubbers |
| !  | 25 x 250 ml (Bottle), 6 x 2000 ml (Pouch Bottle) – RENOCLEAN DONA 2000K Dispenser (for pouch bottle, 1000ml and 2000ml) |   |   |
| <b>Skin Care</b>                             |   |   |   |
| <b>RENOCLEAN<br/>HAND CARE</b>               | Silicone-free skin care cream   | After work, it is ideal as a care cream for hands whose natural protective barrier is damaged during work | Contains caring vegetable oils, beeswax and moisture regulating substances  |
| ! !  | 25 x 250 ml (Bottle), 6 x 2000 ml (Pouch Bottle) – RENOCLEAN DONA 2000K Dispenser (for pouch bottle, 1000ml and 2000ml) |   |   |

## Specialties



| Product name                                 | Description   | Kin. visc. at 40 °C<br>[mm <sup>2</sup> /s]<br>DIN 51562 | Density at 15 °C<br>[KG/m <sup>3</sup> ] | Consumption<br>[l/m <sup>2</sup> ] | Film weight<br>[g/m <sup>2</sup> ] | Shed storage<br>[Mon.] | Hall storage<br>[Mon.] |
|--|---|--|--|------------------------------------|------------------------------------|------------------------|------------------------|
| <b>Corrosion Preventives – Spraying Cans</b> |   |  |  |                                    |                                    |                        |                        |
| <b>ANTICORIT 5F</b><br>i                     | Rust preventative spray forming a film with active water displacement<br>12 x 400 ml                      | 3.7<br>at 20 °C  | 813                                      | –                                  | 2.5                                | 6-12                   | 12-24                  |
| <b>ANTICORIT BW 366</b><br>i                 | Solvent-based and durable high performance corrosion protection wax<br>12 x 400 ml                        | FT 4mm nozzle = 60s                                      | 885                                      | –                                  | 50                                 | 12-36                  | 12-36                  |
| <b>ANTICORIT HKW 6501</b><br>i               | Solvent-based, high performance corrosion protection wax; excellent multi-metal adhesion<br>12 x 400 ml   | FT 4mm nozzle = 30s                                      | 920                                      | –                                  | 50                                 | 12-36                  | 12-36                  |
| <b>ANTICORIT DFG</b><br>i                    | Rust preventative spray, after evaporation a highly viscous film is formed<br>12 x 400 ml                 | 8.5  | 851                                      | –                                  | 5                                  | 3-6                    | 6-12                   |
| <b>ANTICORIT RPC</b><br>i                    | Classic anti-corrosive oil and contact spray, multipurpose<br>12 x 400 ml                                 | 84   | 887                                      | –                                  | 5                                  | 6-12                   | 6-24                   |
| <b>ANTICORIT CPX 3373</b><br>i               | Solvent-free and durable high performance corrosion protection coating; curing oxidatively<br>12 x 400 ml | Dyn. visc. at 300<br>1/s = 350mPas                       | 1050                                     | –                                  | 50                                 | >36                    | >36                    |

# ANTICORIT

| Product name  | Description   | Kin. visc. at 40 °C<br>[mm <sup>2</sup> /s]<br>DIN 51562 | Density at 15 °C<br>[KG/m <sup>3</sup> ] | Consumption<br>[l/m <sup>2</sup> ] | Film weight<br>[g/m <sup>2</sup> ] | Shed storage<br>[Mon.] | Hall storage<br>[Mon.] |
|---|---|--|--|------------------------------------|------------------------------------|------------------------|------------------------|
| <b>Corrosion Preventives – Spraying Cans</b>                                      |   |  |  |                                    |                                    |                        |                        |
| <b>ANTICORIT SYNTH</b>  | Synthetic multipurpose oil                              | 102  | 834                                      | –                                  | 15                                 | 3-6                    | 6-12                   |
|  | 12 x 400 ml   |  |  |                                    |                                    |                        |                        |
| <b>ANTICORIT RP 4107 S</b>  | Thixotropic corrosion protection oil, meets VDA 230-213 | 35   | 887                                      | –                                  | 11                                 | 6-12                   | 12-20                  |
|  | 12 x 400 ml   |  |  |                                    |                                    |                        |                        |



# MOTORCYCLE LUBRICANTS

FUCHS SILKOLENE products focus exclusively on the two-wheeler lubricants sector and are among the most important brands in the two-wheeler segment in various regions, such as the UK. FUCHS SILKOLENE is particularly well known in racing and offers a large product range for all requirements in the motorcycle, moped, scooter and quad bike sector.

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FUCHS SILKOLENE – the right choice for your bike.





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## Motorcycle Lubricants

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RACE Engine Oils – 88  
For professional racers and everybody who rides  
at the limit

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RIDE Engine Oils – 89  
For the tourer and street rider

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SCOOT Engine Oils – 89  
The name says it all

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MAINTAIN – 90  
Maintenance and protection for your bike

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## Motorcycle Lubricants











| Product name  | Description  | Specifications                    | Approvals | FUCHS Recommendations |
|---|--|-----------------------------------|-----------|-----------------------|
| <b>RACE Engine Oils – For professional racers and everybody who rides at the limit</b>  |  |                                   |           |                       |
| <b>SILKOLENE PRO 4</b><br>SAE 5W-40 XP<br>SAE 10W-40 XP<br>SAE 15W-50 XP  | Premium Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.  | API SN                            | JASO MA2  | –                     |
|   | 10 x 1 L (Tin), 4 x 4 L (Canister), 60 L (Drum)  |                                   |           |                       |
| <b>SILKOLENE PRO 4</b><br>SAE 10W-50 XP   | Premium Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.  | API SN                            | JASO MA2  | –                     |
|   | 10 x 1 L (Tin), 4 x 4 L (Canister), 60 L (Drum), 205 L (Drum)  |                                   |           |                       |
| <b>SILKOLENE PRO 4</b><br>SAE 10W-60 XP   | Premium Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.  | API SN                            | JASO MA2  | –                     |
|   | 10 x 1 L (Tin), 60 L (Drum)  |                                   |           |                       |
| <b>SILKOLENE PRO KR2</b>  | Two-stroke race cart oil formulated with synthetic base oils and castor oil. Use manufacturer's recommended mixing ratios. Not miscible with other lubricants.               | –                                 | CIK-FIA   | –                     |
|    | 10 x 1 L (Tin)   |                                   |           |                       |
| <b>SILKOLENE PRO 2</b>  | Fully-synthetic two-stroke racing engine oil. Specially formulated for extreme conditions. Not miscible with conventional two-stroke oils. Only suitable for Premix systems. | –                                 | CIK-FIA   | –                     |
|    | 10 x 1 L (Tin)   |                                   |           |                       |
| <b>SILKOLENE COMP 2 PLUS</b>  | Fully-synthetic two-stroke racing engine oil. Perfect for GP racing engines. Suitable for Premix and Autolube systems.   | API TC<br>JASO FC/FD<br>ISO-L-EGD | –         | –                     |
|    | 10 x 1 L (Tin)   |                                   |           |                       |

# Silkolene®

| Product name   | Description  | Specifications                    | Approvals    | FUCHS Recommendations |
|--|--|-----------------------------------|--------------|-----------------------|
| <b>RIDE Engine Oils – For the tourer and street rider</b>  |  |                                   |              |                       |
| <b>SILKOLENE COMP 4 SAE 10W-30 XP</b><br> | Ultra High Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.<br>10 x 1 L (Tin)                                       | API SN                            | JASO MA2     | –                     |
| <b>SILKOLENE COMP 4 SAE 10W-40 XP</b><br> | Ultra High Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.<br>10 x 1 L (Tin), 4 x 4 L (Canister)                   | API SN                            | JASO MA2     | –                     |
| <b>SILKOLENE COMP 4 SAE 15W-50 XP</b><br> | Ultra High Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.<br>10 x 1 L (Tin), 4 x 4 L (Canister), 60 L (Drum)      | API SN                            | JASO MA2     | –                     |
| <b>SILKOLENE SUPER 4 SAE 10W-40</b><br> | MC-synthesis four-stroke engine oil. High-quality standard product offering excellent protection.<br>10 x 1 L (Tin), 4 x 4 L (Canister), 60 L (Drum), 205 L (Drum) | API SL                            | JASO MA2     | –                     |
| <b>SILKOLENE SUPER 4 SAE 20W-50</b><br> | MC-synthesis four-stroke engine oil. High-quality standard product offering excellent protection.<br>10 x 1 L (Tin), 4 x 4 L (Canister), 60 L (Drum), 205 L (Drum) | API SL                            | JASO MA2     | –                     |
| <b>SILKOLENE V-TWIN SAE 20W-50</b><br>  | Mineral four-stroke engine oil. Specially developed for Harley-Davidson and European/Japanese Metric V-Twins.<br>10 x 1 L (Tin)                                    | API SL                            | JASO MA, MA2 | –                     |
| <b>SILKOLENE COMP 2</b><br>             | Synthetic two-stroke engine oil. Reliable protection against seizures, ring sticking and coking. Suitable for Premix and Autolube systems.<br>10 x 1 L (Tin)       | API TC<br>JASO FC/FD<br>ISO-L-EGD | –            | –                     |
| <b>SCOOT Engine Oils – The name says it all</b>  |  |                                   |              |                       |
| <b>SILKOLENE SCOOT SPORT 2</b><br>      | Synthetic two-stroke engine oil for highly-stressed scooter engines. Suitable for Premix and Autolube systems.<br>10 x 1 L (Tin)                                   | API TC<br>JASO FC/FD<br>ISO-L-EGD | –            | –                     |
| <b>SILKOLENE SCOOT 2</b><br>            | MC-synthesis two-stroke engine oil for scooters and mopeds. Suitable for Premix and Autolube systems.<br>10 x 1 L (Tin)  | JASO FC<br>ISO L-EGC              | –            | –                     |

# Motorcycle Lubricants

**Silkolene®**

| Product name  | Description   | Specifications | Approvals | FUCHS Recommendations |
|---|---|----------------|-----------|-----------------------|
| <b>MAINTAIN – Maintenance and protection for your bike</b>                          |   |                |           |                       |
| <b>SILKOLENE PRO SRG 75</b>   | Fully-synthetic, ester-based racing gear oil. Excellent protection against wear and easy shifting even at extreme temperatures.   | –              | –         | –                     |
|    | 10 x 1 L (Tin)  |                |           |                       |
| <b>SILKOLENE COMP GEAR</b>  | Synthetic, high-performance, ester-based gear oil. Particularly recommended when the gearbox contains aluminium components.   | –              | –         | –                     |
|    | 10 x 1 L (Tin)  |                |           |                       |
| <b>SILKOLENE MAG COOL</b>   | Ready to use, powerful engine coolant for all year round use. Anti-cavitation performance exceeds that of conventional ethylene glycol based anti-freezes, providing the user with superior protection against engine and coolant pump damage due to this phenomenon. | –              | –         | –                     |
|    | 10 x 1 L (Tin)  |                |           |                       |
| <b>SILKOLENE RSF 2.5 / 5 / 7.5 / 10 / 15</b>  | Fully-synthetic shock-absorber fluids and special fork oils with a high viscosity index in different viscosity ranges. Specially developed for racing.  | –              | –         | –                     |
|  | 10 x 1 L (Tin)  |                |           |                       |
| <b>SILKOLENE FOAM FILTER CLEANER</b>  | Special water-soluble cleaner used to wash foam filter elements.  | –              | –         | –                     |
|  | 4 x 4 L (Canister)  |                |           |                       |
| <b>SILKOLENE PRO CHAIN SPRAY</b>  | Fully-synthetic racing chain lube spray for high-performance road, racing and motocross applications. For all chains with or without O-rings.   | –              | –         | –                     |
|  | 12 x 500 ml (Spray can)   |                |           |                       |
| <b>SILKOLENE TITANIUM DRYLUBE SP</b>  | Advanced chain lubricating gel: Effectively resists fling-off and appears whitish when applied.   | –              | –         | –                     |
|  | 12 x 500 ml (Spray can)   |                |           |                       |
| <b>SILKOLENE CHAIN LUBE SPRAY</b>   | Synthetic chain lube spray for optimum wear and rust protection. For all motorcycle chains with or without O-rings.   | –              | –         | –                     |
|  | 12 x 500 ml (Spray can)   |                |           |                       |
| <b>SILKOLENE PRO PREP SPRAY</b>   | Special conditioning spray for plastics and painted surfaces restores the „brand-new“ look.   | –              | –         | –                     |
|  | 12 x 500 ml (Spray can)   |                |           |                       |
| <b>SILKOLENE BRAKE &amp; CHAIN CLEANER</b>  | Highly effective cleaner for brakes and drive chains. Effectively removes caked residue.  | –              | –         | –                     |
|  | 12 x 500 ml (Spray can)   |                |           |                       |

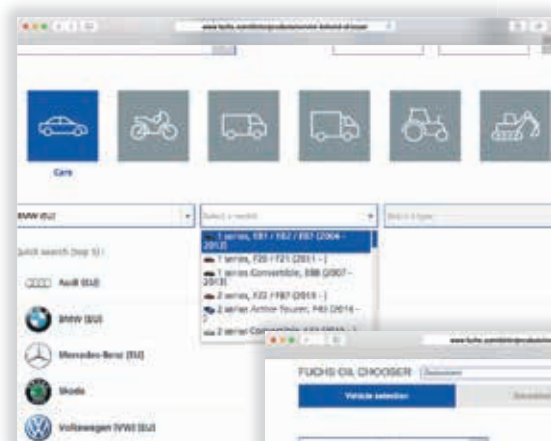


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hereupon make and model.



By selecting the type of your model ...

... an overview of all application areas and their  
relevant lubricants and service fluids will appear  
(e.g. engine).

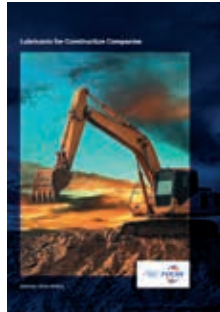
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Lubricants for Agriculture



Lubricants for Construction Companies



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Engine Oils for Passenger Cars



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## Videos



Oils are not all created equal



SmartLevel: Tank Level Monitoring









## 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 employees will be glad to advise on products for the application in question and also on our full range of lubricants.

**Contact:**



**FUCHS LUBRICANTS GERMANY GmbH**  
Friesenheimer Straße 19  
68169 Mannheim/Germany  
Phone +49 621 3701-0  
Fax +49 621 3701-7000  
E-mail [zentrale-flg@fuchs.com](mailto:zentrale-flg@fuchs.com)  
[www.fuchs.com/de/en](http://www.fuchs.com/de/en)

Export Division  
Friesenheimer Straße 19  
68169 Mannheim/Germany  
Phone +49 621 3701-1703  
Fax +49 621 3701-7719  
E-mail [export-flg@fuchs.com](mailto:export-flg@fuchs.com)  
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