

Product Program Automotive Lubricants

1/2017



LUBRICANTS.
TECHNOLOGY.
PEOPLE.



LUBRICANTS. TECHNOLOGY. PEOPLE.

We focus consistently on high-quality lubricants and related specialties.

We develop innovative and holistic solutions for a wide variety of applications.

We value the high level of commitment of our employees and their trusting interaction with one another.



Facts and figures

Company: FUCHS SCHMIERSTOFFE GMBH, a company of the FUCHS Group

Headquarters: Mannheim

Product range: A full range of more than 2,000 products and 6,000 articles

Certifications: ISO/TS 16949:2009, ISO 14001, BS OHSAS 18001, ISO 50001

References: One of the leading lubricants OEM for the German automotive industry

FUCHS has developed, produced and sold lubricants and related specialties for more than 80 years – for virtually all areas of application and sectors. With over 100,000 customers and 60 companies worldwide, the FUCHS Group is the leading independent supplier of lubricants.

A team of more than 800 specialists across Germany works to guarantee the satisfaction of our customers. Whatever their requirements, we have the ideal lubricant for their specific applications and processes. In our technology centre we link interdisciplinary expertise in a quick and efficient way – and work on innovative lubricant solutions to meet the demands of today and tomorrow every single day.

FUCHS lubricants stand for performance and sustainability, for safety and reliability, for efficiency and cost savings. They represent a promise: technology that pays off.

The World of Automotive Lubricants



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** and **PENTOSIN** gear oils.

TITAN, PENTOSIN

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



Ground-breaking XTL®-Technology.

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

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



Product Overview

Automotive Lubricants

Engine Oils 8–21

Engine Oils for Passenger Cars	8–11	Railroad Engine Oils	16
Racing Engine Oils;	11	Monograde Engine Oils	16-17
Engine Oils for Passenger Cars with Gas Engines		Gas Engine Oils	18-19
Engine Oils for Mixed Fleets	12	4-stroke Marine Engine Oils;	20
Engine Oils for Commercial Vehicles	13-15	2-stroke Marine Engine Oils	
Engine Oils for Commercial Vehicles with Gas Engines	15	2-stroke Engine Oils	21

Transmission Fluids 22–30

Gear Oils for Passenger Cars	22–23	Multifunctional Gear Oils for Construction Machinery	26
Gear Oils for Passenger Cars and Commercial Vehicles	23–24	Double Clutch Transmission Fluids (DCTF)	27
Gear Oils for Commercial Vehicles	24–25	Automatic Transmission Fluids (ATF)	28–30

Hydraulic Fluids 31

Lubricants for Agricultural Machinery 32–35

STOU Oils	32–33	UTTO Oils; Gear Oils	34
Engine Oils	33–34	Milking Machine Oil	35

Motorcycle Lubricants 36–38

RACE	36–37	MAINTAIN	38
RIDE, QUADS ATV, SCOOT	37		

Service Products 39–41

Antifreeze	39–41	Brake Fluids; Fuel Additives; Oil Binder	41
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Specialties 42–43

Greases 44–45

Rapidly Biodegradable Lubricants 46–47

Engine Oils



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Passenger Cars				
TITAN GT1 EVO SAE 0W-20 	Premium Performance Engine Oil with new XTL®-Technology in path-breaking viscosity class. Specially designed for highly stressed downsized engines with maximum power output, for extreme fuel-economy characteristics and reduced CO ₂ emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves.	ACEA A1/B1	BMW LONGLIFE-14 FE+ JAGUAR LAND ROVER STJLR.51.5122	–
TITAN GT1 PRO V SAE 0W-20 	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 ₂ emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves.	ACEA A1/B1	VOLVO VCC RBS0-2AE	–
TITAN GT1 LONGLIFE IV SAE 0W-20 NEW	Premium Performance Engine Oil in ground-breaking viscosity class. Specially designed for modern VW vehicles, for extreme fuel-economy characteristics and reduced CO ₂ emissions. Excellent cold starting behaviour, very fast oil circulation and outstanding performance reserves.	ACEA A1/B1	VW 508 00/509 00	PORSCHE C20
TITAN GT1 SAE 0W-20 	Premium Performance Engine Oil with new XTL®-Technology in path-breaking viscosity class and globally unique Zinc-free Additive Technology, for high performance cars with gasoline and diesel engines. Specially designed for sportive driving and maximum power output. Extreme fuel-economy characteristics. Excellent cold starting behaviour. Outstanding performance reserves.	–	–	ACEA C2 API SL ILSAC GF-4

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Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Passenger Cars				
TITAN GT1 LL-12 FE SAE 0W-30  NEW	Premium Performance Engine Oil with new XTL®-Technology. Specially developed for latest BMW gasoline and diesel vehicles with exhaust after treatment. Excellent cold starting, lower oil consumption and outstanding performance reserves.	ACEA C2	BMW LONGLIFE-12 FE	–
TITAN GT1 SAE 0W-30	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	FIAT 9.55535-DS1/GS1 IVECO 18-1811 CLASSE SC1 LV
TITAN GT1 PRO FLEX SAE 5W-30 	Premium Performance, extreme 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 BMW, Mercedes-Benz and Opel vehicles with exhaust after treatment and turbocharger.	ACEA C3 API SN/SM	BMW LONGLIFE-04 dexas2™ (GB2C0209075) MB-APPROVAL 229.51 MB-APPROVAL 229.52 VW 502 00/505 00/505 01	FIAT 9.55535-S3 FORD M2C917-A GM-LL-A-025 GM-LL-B-025
TITAN GT1 PRO C-3 SAE 5W-30 	Premium Performance, extreme 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 BMW, VW and Mercedes-Benz vehicles with exhaust after treatment and turbocharger.	ACEA C3 API SN	BMW LONGLIFE-04 MB-APPROVAL 229.51 PORSCHE C30 VW 504 00/507 00	FIAT 9.55535-S3 FORD M2C917-A
TITAN GT1 PRO 229.6 SAE 5W-30  NEW	Premium Performance, extreme fuel-economy engine oil with new XTL®-Technology. Specially designed for Mercedes-Gasoline-Vehicles. Optimum cold starting, lower oil consumption and minimized exhaust emissions.	ACEA A5/B5	MB-APPROVAL 229.6	–
TITAN GT1 PRO C-1 SAE 5W-30	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 STJLR.03.5005	JASO DL-1 FORD WSS-M2C934-B
TITAN GT1 PRO C-2 SAE 5W-30	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 vehicles with exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions.	ACEA C2 API SN/SM	PSA B71 2290	API CF FIAT 9.55535-S1 IVECO 18-1811 CLASSE SC1
TITAN GT1 PRO C-4 SAE 5W-30	Premium Performance, extreme fuel-economy engine oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially for Renault engines with exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions.	ACEA C4	MB-APPROVAL 226.51 RENAULT RN0720	–

Engine Oils

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Passenger Cars				
TITAN GT1 SAE 5W-40 	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 API SN/SM FORD M2C917-A	BMW LONGLIFE-04 MB-APPROVAL 226.5 MB-APPROVAL 229.31 PORSCHE A40 RENAULT RN0700/ RN0710 VW 502 00/ 505 00/505 01	API CF FIAT 9.55535-S2
TITAN Supersyn LONGLIFE PLUS SAE 0W-30	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 503 00/506 00/ 506 01	ACEA A5/B5 BMW LONGLIFE-01 FE
TITAN Supersyn LONGLIFE SAE 0W-30	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 API SL	MB-APPROVAL 229.5 VW 502 00/505 00	BMW LONGLIFE-01
TITAN Supersyn LONGLIFE SAE 0W-40	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 API SN	BMW LONGLIFE-01 MB-APPROVAL 229.5 PORSCHE A40 VW 502 00/505 00	AMG FORD M2C937-A
TITAN Supersyn LONGLIFE SAE 5W-40	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 API SN/SM	BMW LONGLIFE-01 MB-APPROVAL 226.5 MB-APPROVAL 229.5 PORSCHE A40 RENAULT RN0700/ RN0710 VW 502 00/505 00	API CF GM-LL-B-025 PSA B71 2296
TITAN Supersyn FE SAE 0W-30	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
TITAN Supersyn SAE 5W-30	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 API SL	MB-APPROVAL 229.3 VW 502 00/505 00	API CF BMW LONGLIFE-98 GM-LL-A-025 GM-LL-B-025 RENAULT RN0700/RN0710
TITAN Supersyn F Eco-FE SAE 0W-30 NEW	Ultra High Performance, extreme fuel-economy engine oil especially developed for modern Ford Diesel engines. Excellent cold starting and lower oil consumption.	ACEA C2	FORD M2C950-A	–
TITAN Supersyn F Eco-B SAE 5W-20	Ultra High Performance, extreme fuel-economy engine oil especially developed for Ford EcoBoost gasoline engines. Optimum cold starting and lower oil consumption.	ACEA A1/B1 API SN	FORD M2C948-B JAGUAR LAND ROVER STJLR.03.5004	CHRYSLER MS 6395 FORD M2C925-A FORD M2C925-B
TITAN Supersyn F Eco-DT SAE 5W-30	Ultra High Performance, extreme fuel-economy engine oil especially suitable for Ford DuraTorq-Diesel engines. Optimum cold starting and lower oil consumption.	ACEA A1/B1 ACEA A5/B5 API SL FORD M2C913-C	FORD M2C913-D JAGUAR LAND ROVER STJLR.03.5003	API CF CHRYSLER MS 6395 FORD M2C913-A FORD M2C913-B IVECO 18-1811 CLASSE S1/S2 JAGUAR M2C913-B RENAULT RN0700

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Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Passenger Cars				
TITAN Supersyn SAE 5W-40	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 API SN/SM	MB-APPROVAL 229.3 PORSCHE A40 RENAULT RN0700/RN0710 VW 502 00/505 00	API CF BMW LONGLIFE-98 FIAT 9.55535-H2/M2/ N2/Z2 GM-LL-A-025 GM-LL-B-025
TITAN Supersyn SAE 5W-50	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 API SL/CF
TITAN Supersyn SAE 10W-60	Ultra High Performance, fuel-economy engine oil for passenger cars. Low oil consumption. Highly durable lubricating film and high oil pressure.	–	–	ACEA A3/B3 API SL/CF FIAT 9.55535-H3
TITAN SYN MC SAE 10W-40	Super 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 API SN	MB-APPROVAL 229.1 MB-APPROVAL 229.3 PSA B71 2300 RENAULT RN0700/RN0710 VW 502 00/505 00	API CF FIAT 9.55535-D2/G2
TITAN SYN SN SAE 0W-20	Super High Performance, fuel-economy engine oil for a variety of gasoline engines in passenger cars. Good cold starting behaviour and low oil consumption.	API SN ILSAC GF-5	–	–
TITAN FORMULA SAE 15W-40	High Performance Engine Oil specially for all normally aspirated and turbocharged gasoline and diesel engines in passenger cars operated under normal conditions.	API SL	MB-APPROVAL 229.1	ACEA A3/B3 API CG-4 FIAT 9.55535-D2/G2 VW 501 01/505 00
Racing Engine Oils				
TITAN RACE SAE 5W-30	Premium Racing Engine Oil for Race cars with Gasoline or Diesel engines. Especially developed for professional use in racing applications. Combines optimum protection with power increase and reduced fuel consumption due to minimized frictional losses.	–	–	ACEA C3
TITAN RACE SAE 10W-60	Premium Racing Engine Oil for Race cars fuelled with Gasoline or Diesel engines. Especially developed for professional use in racing applications. Offers optimum protection due to minimized frictional losses and a stable oil film.	–	–	ACEA A3/B3 API SL/CF
Engine Oils for Passenger Cars with Gas Engines				
TITAN GT1 PRO GAS SAE 5W-30	Premium Performance Gas Engine Oil for modern passenger cars and light commercial vehicles. Specially for gasoline engines with LPG- and CNG operation. Optimum engine cleanliness, lower oil consumption and minimized exhaust emissions.	ACEA C3 API SM	BMW LONGLIFE-04 dexos2™ (GB2C0209075) MB-APPROVAL 229.51 VW 502 00/505 00/505 01	CHEVROLET FIAT 9.55535-G1 OPEL
TITAN GT1 PRO GAS SAE 5W-40	Premium Performance Gas Engine Oil for modern passenger cars and light commercial vehicles. Specially for gasoline engines with LPG- and CNG operation. Optimum engine cleanliness, lower oil consumption and minimized exhaust emissions.	ACEA C3 API SM	BMW LONGLIFE-04 MB-APPROVAL 229.31 VW 502 00/505 00/505 01	CITROEN FIAT 9.55535-H2/N2/ M2/S2/Z2 FORD PEUGEOT RENAULT
TITAN SYN PRO GAS SAE 10W-40	Super High Performance Gas Engine Oil for passenger cars and light commercial vehicles. Specially developed for gas engines with LPG- and CNG operation.	ACEA A3/B4 API SN	MB-APPROVAL 229.3 VW 502 00/505 00	FIAT 9.55535-G2 PSA B71 2300 RENAULT RN0700/ RN0710

Engine Oils

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Mixed Fleets				
TITAN UNIMAX ULTRA MC SAE 10W-40	Premium 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/B4/B3/A3 API CI-4 GLOBAL DHD-1 JASO DH-1	DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-M PLUS MAN M 3275-1 MB-APPROVAL 228.3 MB-APPROVAL 229.1 MB-APPROVAL 235.27 MTU DDC TYPE 2 RENAULT RLD/RLD-2 VOITH-RETARDER „A“ VOLVO VDS-3	ALLISON C-4 CAT ECF-2 CUMMINS CES 20071/2/6/7/8 VW 500 00/501 01/505 00
TITAN UNIMAX PLUS MC SAE 10W-40	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/B3/A3 API CH-4	DEUTZ DQC II-10 MAN M 3275-1 MB-APPROVAL 228.3 MB-APPROVAL 229.1 MB-APPROVAL 235.27 MTU DDC TYPE 2 RENAULT RD/RD-2 VOITH-RETARDER „A“ VOLVO VDS-2	ALLISON C-4 CUMMINS CES 20071/2/6/7 MACK EO-M PLUS
TITAN UNIVERSAL HD SAE 15W-40	High Performance Engine Oil for mixed fleets operated under normal conditions. Good performance in normally aspirated and turbocharged diesel engines.	ACEA A3/B3/B4 API SL	DEUTZ DQC I-02 MB-APPROVAL 228.1 MB-APPROVAL 229.1 MTU DDC TYPE 2	ACEA E2 API CG-4/CF MIL-L-2104 E ALLISON C-4 CASE MS 1120 MACK EO-L MAN 271 NH 330G STEYR A-202 VOLVO VDS VW 501 01/505 00

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Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Commercial Vehicles				
TITAN CARGO MAXX SAE 5W-30  NEW	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.	ACEA E9/E7/E6/E4 API CJ-4 CAT ECF-3	DEUTZ DQC IV-10 LA DETROIT DIESEL 93K218 MACK EO-O PREMIUM PLUS MAN M 3271-1 MAN M 3477 MAN M 3575 MAN M 3677 MB-APPROVAL 228.31 MB-APPROVAL 228.51 MTU DDC TYPE 2.1 MTU DDC TYPE 3.1 RENAULT RLD-3 SCANIA LA VOLVO VDS-4	CUMMINS CES 20081 IVECO 18-1804 CLASSE TLS E6
TITAN CARGO MAXX SAE 10W-40  NEW	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.	ACEA E9/E7/E6/E4 API CJ-4 JASO DH-2 CAT ECF-3	DETOIT DIESEL 93K218 DEUTZ DQC IV-10 LA MACK EO-O PREMIUM PLUS MAN M 3271-1 MAN M 3477 MAN M 3575 MB-APPROVAL 228.31 MB-APPROVAL 228.51 MTU DDC TYPE 2.1 MTU DDC TYPE 3.1 RENAULT RLD-3 SCANIA LA VOLVO VDS-4	CUMMINS CES 20081 IVECO 18-1804 CLASSE TLS E9 IVECO 18-1809 CLASSE NG2 VOITH-RETARDER „B“

Engine Oils

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Commercial Vehicles				
TITAN CARGO SL SAE 5W-30	Ultra High 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	DEUTZ DQC IV-10 FORD WSS-M2C212-A1 MACK EO-N MAN M 3277 MB-APPROVAL 228.5 MTU DDC TYPE 3 RENAULT RXD/RLD-2 SCANIA LDF-3 VOLVO VDS-3	CUMMINS CES 20077 IVECO 18-1804 CLASSE TFE SCANIA LDF-2
TITAN CARGO LA SAE 5W-30 NEW	Ultra High 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 E7/E6 API CI-4 JASO DH2	DEUTZ DQC III-10 LA MACK EO-N MAN M 3271-1 MAN M 3477 MB-APPROVAL 228.51 MTU DDC TYPE 3.1 RENAULT RLD-2/RXD/RGD VOLVO VDS-3	CUMMINS CES 20076/7/8
TITAN CARGO LA SAE 10W-40 NEW	Ultra High 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 E7/E6 API CI-4 JASO DH-2	DEUTZ DQC IV-10 LA MACK EO-N MAN M 3271-1 MAN M 3477 MB-APPROVAL 228.51 MTU DDC TYPE 3.1 RENAULT RLD-2/RXD/RGD VOLVO VDS-3	CUMMINS CES 20076/7
TITAN CARGO LD3 SAE 10W-40	Ultra High Performance, fuel-economy engine oil for use in SCANIA Euro 6 vehicles. Specially developed for extended service intervals.	ACEA E7/E4	MACK EO-N MAN M 3277 MB-APPROVAL 228.5 RENAULT RLD-2 SCANIA LDF-3 VOLVO VDS-3	API CF
TITAN CARGO MC SAE 10W-40	Ultra High 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 API CI-4 GLOBAL DHD-1	CUMMINS CES 20077/8 DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-M PLUS MACK EO-N MAN M 3277 MB-APPROVAL 228.5 MTU DDC TYPE 3 RENAULT RXD/RLD-2 SCANIA LDF-2 VOLVO VDS-3	IVECO 18-1804 SDFG OM-1901A
TITAN CARGO SAE 5W-40	Ultra High Performance, fuel-economy engine oil, specially developed for commercial vehicle diesel engines with extended service intervals, exhaust after treatment and turbocharger.	ACEA E9/E7 API CJ-4 CAT ECF-2/ECF-3	DETROIT DIESEL 93K218 DEUTZ DQC II-10 LA FAWDE Q/XC 3135-2007 MACK EO-O PREMIUM PLUS MAN M 3575 MB-APPROVAL 228.31 RENAULT RLD-3 VOLVO VDS-4	CUMMINS CES 20081 DETROIT DIESEL 93K214/93K215
TITAN CARGO SAE 10W-30	Ultra High Performance, fuel-economy engine oil, specially developed for commercial vehicle diesel engines with extended service intervals, exhaust after treatment and turbocharger.	ACEA E9 API CJ-4/SN CAT ECF1-a/ ECF-2/ECF-3 JASO DH-2	DEUTZ DQC III-10 LA MACK EO-O PREMIUM PLUS MAN M 3575 MB-APPROVAL 228.31 RENAULT RLD-3 VOLVO VDS-4	CUMMINS CES 20081 MTU DDC TYPE 2.1

TITAN

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Engine Oils for Commercial Vehicles				
TITAN CARGO SAE 15W-40	Ultra High Performance, fuel-economy engine oil for a variety of commercial vehicle diesel engines. Specially developed for Volvo with extended service intervals, exhaust after treatment and turbocharger.	ACEA E9 API CJ-4/CI-4 PLUS/ CI-4/SM CAT ECF-2/ECF-3 JASO DH-2	CUMMINS CES 20081 DEUTZ DQC III-10 LA DETROIT DIESEL 93K218 MACK EO-O PREMIUM PLUS MAN M 3275-1 MAN M 3575 MB-APPROVAL 228.31 MTU DDC TYPE 2.1 RENAULT RLD-3 VOLVO VDS-4	ALLISON C-4
TITAN TRUCK PLUS SAE 15W-40	Super 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 API CI-4/SL GLOBAL DHD-1 CAT ECF-1-a/ECF-2	CUMMINS CES 20076/7/8 DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-N MAN M 3275-1 MB-APPROVAL 228.3 MTU DDC TYPE 2 RENAULT RLD/RLD-2 VOLVO VDS-3	ALLISON C-4 CAT TO-2 CASE MS 1121 CUMMINS CES 20071/2 IVECO 18-1804 CLASSE T2 E7 NH 330H
TITAN TRUCK SAE 15W-40	Super High Performance Engine Oil for a variety of diesel engines. Specially for highly-loaded commercial vehicle diesel engines. Lower oil consumption.	ACEA E7 API CH-4/SJ CAT ECF-1-a	DEUTZ DQC II-10 MACK EO-N MAN M 3275-1 MB-APPROVAL 228.3 MTU DDC TYPE 2 RENAULT RLD/RLD-2 VOLVO VDS-3	CUMMINS CES 20076/7
Engine Oils for Commercial Vehicles with Gas Engines				
TITAN CARGO PRO GAS SAE 5W-30	Premium Performance, zinc-free, extreme fuel-economy engine oil for highly-supercharged commercial vehicle gas engines as well as Diesel engines with exhaust gas after treatment systems. Specially developed for gas powered engines with and without turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions. For MAN gas engines extended drain intervals are possible depending on engine type.	ACEA E6	MAN M 3271-1 MAN M 3271-3 MAN M 3477 MB-APPROVAL 226.9 MB-APPROVAL 235.28 VOITH-RETARDER „B”	–
TITAN CARGO PRO GAS SAE 10W-40 NEW	Premium Performance, extreme fuel-economy engine oil for highly-supercharged commercial vehicle gas engines as well as Diesel engines with exhaust gas after treatment systems. Specially developed for gas powered engines with and without turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions. For MAN gas engines extended drain intervals are possible depending on engine type.	ACEA E6/E7	MAN M 3271-3 MAN M 3477 MB-APPROVAL 228.51	MACK EO-N RENAULT RLD-2 VOLVO VDS-3

Engine Oils

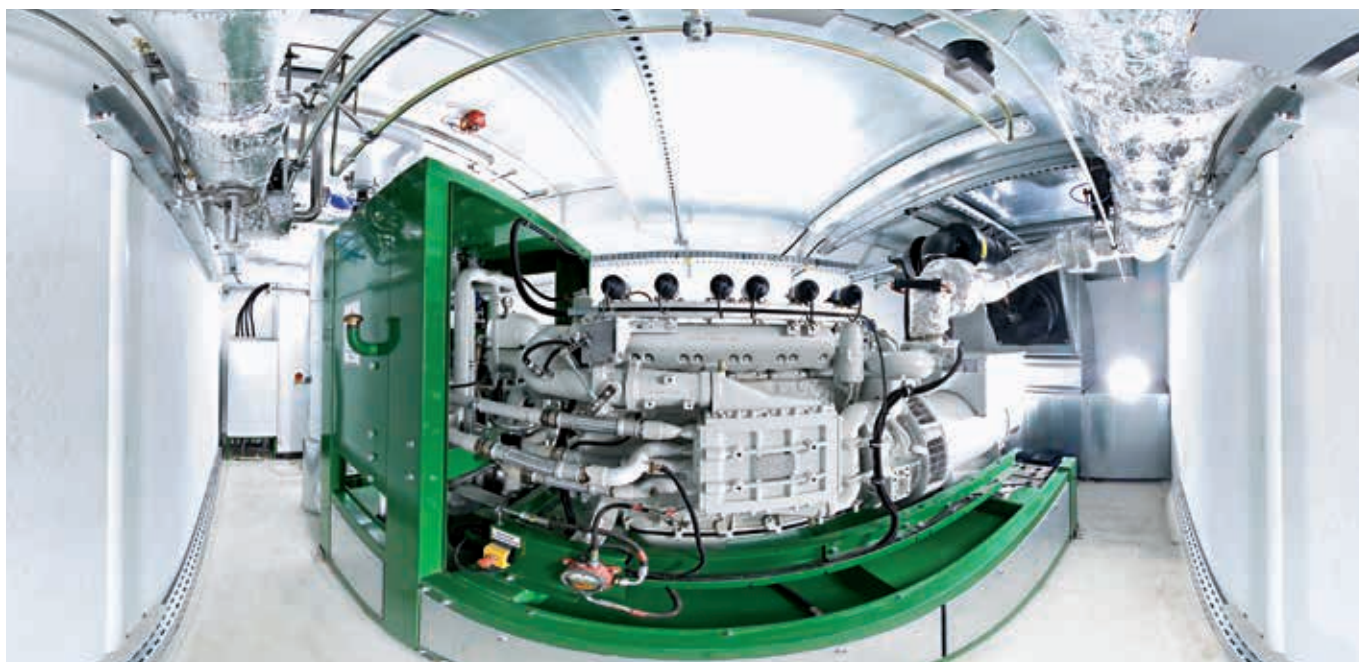


Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Railroad Engine Oils				
TITAN RAILGEN 13 SAE 40	High Performance Rail Locomotive Monograde Engine Oil according to API CF utilizing zinc and chlorine free additive technology.	–	GE Generation 4LL GM - EMD GENERATION 5	API CD/CF LMOA GENERATION 5 CATERPILLAR 3600
Monograde Engine Oils				
TITAN UNIVERSAL HD SAE 10W	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.	–	MAN 270 MB-APPROVAL 228.0 ZF TE-ML 03B (ZF002013)	ACEA E2 API CF-4/SG MIL-L-2104 D ALLISON C-4 CAT TO-2 ZF TE-ML 02C
TITAN UNIVERSAL HD SAE 20W-20	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 228.0 MB-APPROVAL 235.27 VOITH-RETARDER „A“	ACEA E2 API CF-4/SG MIL-L-2104 D ALLISON C-4 CAT TO-2 MAN 270 ZF TE-ML 02C
TITAN UNIVERSAL HD SAE 30	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 MB-APPROVAL 228.2 MTU DDC TYPE 2 ZF TE-ML 04B (ZF001189)	ACEA E2 API CF-4/SG MIL-L-2104 D ALLISON C-4 CAT TO-2 MAN 270 ZF TE-ML 02C
TITAN UNIVERSAL HD SAE 40	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 MB-APPROVAL 228.2 MB-APPROVAL 235.12 MTU DDC TYPE 2 ZF TE-ML 04B (ZF001190)	ACEA E2 API CF-2/CF-4/SG MIL-L-2104 D ALLISON C-4 CAT TO-2 MAN 270 ZF TE-ML 02C

TITAN

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Monograde Engine Oils				
TITAN UNIVERSAL HD SAE 50	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 MAN M 3275-2 MB-APPROVAL 228.0	ACEA E2 API CF-4/SG MIL-L-2104 D ALLISON C-4 CAT TO-2 ZF TE-ML 02C
TITAN UNIVERSAL HD SAE 30 MTU	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 1	–

Engine Oils



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Gas Engine Oils				
TITAN GANYMET ULTRA	Premium Performance Engine Oil, zinc-free, for stationary gas engines.	–	2G TA-003 agenitor series 2,3 AGROGEN CAT CG132, CG170, CG260 CAT / MWM TR 0199-99-02105 GE JENBACHER TA 1000-1109 - A, CAT: series 2, 3, 4 (Version B), 6 (Version C, E) - B, CAT: series 2, 3 MAN M 3271-2 MAN M 3271-4 MTU Onsite Energy DK-BS-0001 (E, P, B) MTU Onsite Energy DK-BS-0002 (B) SEVA TRS-07 SPANNER RE2 TEDOM 61-0-0281.1/L, B, S	–
TITAN GANYMET PLUS	Super High Performance Engine Oil, zinc-free, for stationary gas engines.	–	CAT CG132, CG170, CG260 CAT / MWM TR 0199-99-02105 DREYER & BOSSE GE JENBACHER TA 1000-1109 - B: series 2, 3 MTU Onsite Energy DK-BS-0001 (B) SEVA TRS-07	–
TITAN GANYMET PLUS LA	„Low Ash“ Super High Performance Engine Oil, zinc-free, for stationary gas engines.	–	CAT CG132, CG170, CG260 CAT / MWM TR 0199-99-02105 DEUTZ TR 0199-99-01213 SEVA TRS-07 TEDOM 61-0-0281.1/G, P	CATERPILLAR CUMMINS WAUKESHA
TITAN GANYMET PRO MA NEW	High Performance Engine Oil for stationary gas engines.	–	GE JENBACHER TA 1000-1109 - B, C: series 2, 3, 4 (Version B), 6 (Version C, E) MAN M 3271-4	CATERPILLAR (special gas)

TITAN

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Gas Engine Oils				
TITAN GANYMET PRO LA NEW	High Performance Engine Oil with low sulphated ash content for stationary gas engines.	–	CAT CG132, CG170, CG260 CAT / MWM TR 0199-99-02105 GE JENBACHER TA 1000-1109 - A, B: series 2, 3, 4 (Version B), 6 (Version C, E)	CATERPILLAR CUMMINS WAUKESHA WÄRTSILÄ
TITAN GANYMET	High Performance Engine Oil for stationary gas engines.	–	ASJA AMBIENTE ITALIA GE JENBACHER TA 1000-1109 - C: series 2, 3 MAN M 3271-4 MTU Onsite Energy DK-BS-0001 (B,K) SEVA TRS-07	–
TITAN GANYMET LA	High Performance Engine Oil with low sulphated ash content for stationary gas engines.	–	CAT CG132, CG170, CG260 CAT / MWM TR 0199-99-02105 DEUTZ TR 0199-99-01213 GE JENBACHER TA 1000-1109 - A, CAT: series 2, 3, 4 (Version B), 6 (Version C, E) MAN M 3271-2 MTU Onsite Energy DK-BS-0001 (E, P, K) SEVA TRS-07	CATERPILLAR CUMMINS WAUKESHA

Engine Oils

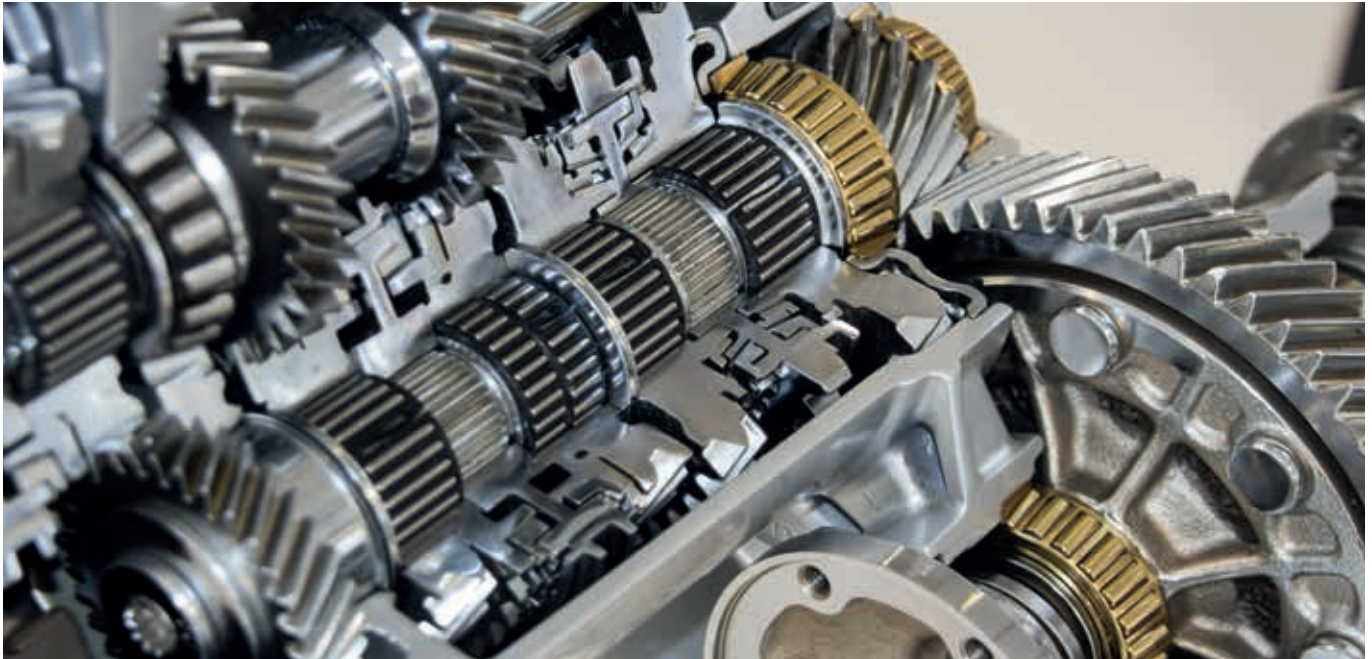


Brand name	Description	Specifications	Approvals	FUCHS Recommendations
4-stroke MARINE Engine Oils				
TITAN MARINE FC-W SAE 10W-30	Super High Performance Engine Oil for marine leisure 4-stroke gasoline engines, in accordance with the latest requirements of NMMA.	—	NMMA FC-W	BOMBARDIER EVINRUDE HONDA JOHNSON MERCURY SEADOO SUZUKI YAMAHA
2-stroke MARINE Engine Oils				
TITAN MARINE TC-W 3	Ultra High Performance Engine Oil for marine leisure 2-stroke engines, in accordance with the latest requirements of NMMA.	—	NMMA TC-W3	BOMBARDIER EVINRUDE JOHNSON KAWASAKI MARINER MERCURY SEADOO SUZUKI TOHATSU YAMAHA

TITAN

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
2-stroke Engine Oils				
TITAN 2T 100S	Ultra High Performance two-stroke engine oil for Autolube and Premix systems formulated with fully synthetic base oils. Product dyeing: blue.	API TC JASO FD ISO L-EGD	–	TISI
TITAN 2T S	Super High Performance two-stroke engine oil. Mixes rapidly. Suitable for Autolube as well as Premix systems. Product dyeing: blue.	API TC JASO FC ISO L-EGC	–	–
TITAN 2T M	High Performance two-stroke engine oil. Mixes rapidly. Suitable for Autolube as well as Premix systems. Product dyeing: blue.	API TC	–	–

Transmission Fluids



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Gear Oils for Passenger Cars				
TITAN SINTOFLUID FE SAE 75W	Premium Performance Manual Transmission 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-4	–	VW TL 521 71 (G 052 171 A1/A2) VW TL 521 78 (G 052 178 A2) VW TL 525 12 (G 052 512 A2) VW TL 525 27 (G 052 527 A2) VW TL 726 (G 052 726 A2/G 055 726 A2/ G 060 726 A2/G 070 726 A2)
TITAN SINTOFLUID SAE 75W-80	Premium Performance Manual Transmission Fluid for passenger cars. Offering good gearbox efficiency. Suitable as fill for life fluid according to manufacturer.	API GL-5	–	MIL-L-2105 D BMW 83 22 0 309 031 BMW 83 22 0 403 247 BMW 83 22 7 533 818 BMW 2300 1434 404 BMW 2300 7533 513 BMW 2300 7533 818 FORD M2C200-C/C2/C3 OPEL 19 40 182 OPEL 19 40 757 OPEL 19 40 768 OPEL 19 40 776 VOLVO 97308 VW 501 50 (G 005 000 05/G 005 000/G 005 000 20/G 052 911 A1/A2)
TITAN SINTOPOID FE SAE 75W-85	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	MB-APPROVAL 235.7 MB-APPROVAL 235.74 MB-APPROVAL 239.71 MB-APPROVAL 239.72 ZF TE-ML 18	VW TL 521 45-X (G 052 145 A1) VW TL 521 90 (G 052 190 A2/ G 055 190 A2)



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Gear Oils for Passenger Cars				
TITAN SINTOPOID SAE 75W-90	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 VW TL 521 45-Y (G 052 145 A2)
TITAN SINTOPOID LS SAE 75W-90	Premium Performance, fully-synthetic multifunctional 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	–	VW G50/G51
TITAN SINTOPOID LS SAE 75W-140	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 BMW 83 22 9 407 870 CHRYSLER MS-8985 FORD M2C 192-A GM 12346140 JOHN DEERE JDM J11G SCANIA STO 1:0
Gear Oils for Passenger Cars and Commercial Vehicles				
TITAN SUPERGEAR MC SAE 80W-90	Super High Performance Gear Oil based on MC-Synthesis for extended oil change intervals.	API GL-4/GL-5 SCANIA STO 1:0	MAN 341 TYPE E2 MAN 341 TYPE Z2 MAN 342 TYPE M2 MB-APPROVAL 235.0 ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17B, 19B, 21A (ZF000722)	CASE MS 1316 FORD M2C197-A JOHN DEERE JDM J11E MAN M 3343 TYPE M NH 520A SDFG OP 1705 STEYR B-101 VOLVO 97310 ZF TE-ML 07, 08
TITAN SUPERGEAR MC SAE 80W-140	Super High Performance Gear Oil based on MC-Synthesis for extended oil change intervals.	API GL-4/GL-5 SCANIA STO 1:0	–	JOHN DEERE JDM J11E OPEL 19 42 386 RENAULT VI VOLVO 97310 ZF TE-ML 08
TITAN SUPERGEAR SAE 80W-90	High Performance Gear Oil for extended oil change intervals.	API GL-4/GL-5	MAN 342 TYPE M2 ZF TE-ML 05A, 12E, 17B, 19B, 21A (ZF000647)	MIL-L-2105 D VOLVO 97310
TITAN SUPERGEAR SAE 85W-140	High Performance Gear Oil for extended oil change intervals.	API GL-4/GL-5	ZF TE-ML 05A, 12E, 16D, 21A (ZF000650)	MIL-L-2105 D VOLVO 97310
TITAN GEAR LS SAE 90	High Performance LS (Limited Slip) hypoid gear oil for axles with or without limited slip differentials.	API GL-5	ZF TE-ML 05C, 12C, 16E, 21C (ZF000651)	MIL-L-2105 D FORD M2C104-A JOHN DEERE JDM J11F NH 520B VOLVO 97310
TITAN GEAR MP SAE 80	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 ZF TE-ML 17A (ZF000654)	BMW 81 22 9 407 052 BMW 81 22 9 407 053 FORD M2C9008-A VW TL 726 ZF TE-ML 08
TITAN GEAR MP SAE 90	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 MB 235.1 ZF TE-ML 02A, 16A, 17A, 19A

Transmission Fluids

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Gear Oils for Passenger Cars and Commercial Vehicles				
TITAN GEAR HYP SAE 90	High Performance Gear Oil for highly-stressed differentials in commercial vehicles and passenger cars.	API GL-5	MAN 342 TYPE M1 MB-APPROVAL 235.0 ZF TE-ML 16C, 17B, 19B, 21A (ZF000656)	FORD M2C9102-A JOHN DEERE JDM J11E OPEL 19 42 387 VOLVO 97310 VW TL 727 ZF TE-ML 07, 08
Gear Oils for Commercial Vehicles				
TITAN CYTRAC SL SAE 75W-90	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 SCANIA STO 1:0	MAN 342 TYPE S1	JOHN DEERE JDM J11E JOHN DEERE JDM J11G MB 235.8 VOLVO 97312 ZF TE-ML 05B, 07, 08, 12B, 16F, 17B
TITAN CYTRAC RR SAE 75W-90	Fully synthetic Premium Performance Hypoid Gear Oil for axle drives in railcars and heavy duty vehicles.	API GL-5 API MT-1 SCANIA STO 1:0	SAE J2360 SIEMENS FLENDER Gear Units for Railway Vehicles VOITH TURBO 132.00374401 (3.325-340) VOITH TURBO 132.00374402 (3.325-342) ZF TE-ML 05A, 12L, 12N, 16F, 17B, 19C, 21A (ZF000732)	Gmeinder Getriebebau railway applications ZF TE-ML 05B, 21B
TITAN CYTRAC FE SYNTH SAE 75W-85 NEW	Premium Performance Gear Oil for gear boxes in commercial vehicles, specially for the latest version of Mercedes-Benz CO ₂ 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	–
TITAN CYTRAC MB SYNTH SAE 75W-90	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 MB-APPROVAL 235.11	ZF TE-ML 08
TITAN CYTRAC ULTRA SYNTH SAE 75W-80	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 VOLVO 97307	MAN 341 TYPE Z5 ZF TE-ML 01E, 02E, 16P (ZF001457)	–
TITAN CYTRAC MAN SYNTH SAE 75W-80	Premium Performance Gear Oil for gear boxes in commercial vehicles, specially developed for manual and automatic ZF-gear boxes, formulated with fully-synthetic 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 ZF TE-ML 01L, 02L, 16K (ZF001140)	VOLVO 97307
TITAN CYTRAC LD SAE 75W-80	Ultra High Performance Gear Oil for extended oil change intervals in commercial vehicles fitted with integral intarders or supplementary retarders.	API GL-4	EATON MAN 341 TYPE E3	MAN 341 TYPE Z3 VOLVO 97305 ZF TE-ML 02D, 08



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Gear Oils for Commercial Vehicles				
TITAN CYTRAC HSY SAE 75W-90	Ultra High Performance Gear Oil for commercial vehicle manual transmissions and axle drives formulated with fully-synthetic base oils.	API GL-4/GL-5	ZF TE-ML 05A, 12L, 12N, 16F, 17B, 19C, 21A (ZF000642)	MAN 341 TYPE E3 MAN 341 TYPE Z2 MAN 342 TYPE M3 MAN M 3343 TYPE S JOHN DEERE JDM J11E JOHN DEERE JDM J11G SCANIA STO 1:0 ZF TE-ML 05B, 07, 21B
TITAN CYTRAC 235.8 SAE 75W-90	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 especially in DAIMLER commercial vehicle axle drives.	API GL-4/GL-5	DETROIT DIESEL 93K219.01 MB-APPROVAL 235.8	–
TITAN GEAR HYP LD SAE 80W-90	Super High Performance Gear Oil specially developed for Mercedes-Benz commercial vehicles. Offering enhanced thermal stability and fuel-economy potential.	API GL-5 API MT-1 SAE J2360	DETROIT DIESEL 93K219.02 MAN 342 TYPE M3 MB-APPROVAL 235.20 ZF TE-ML 05A, 12L, 12M, 16B, 17B, 19B, 21A (ZF000645)	MIL-PRF-2105 E ARVIN MERITOR 0-76-D MACK GO-J JOHN DEERE JDM J11E SCANIA STO 1:0 ZF TE-ML 07A

Transmission Fluids



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Multifunctional Gear Oils for Construction Machinery				
TITAN UTTO PRO	Ultra High Performance Multifunctional Oil for gears, axles and hydraulic systems with improved wear protection and wide range of application temperatures.	API GL-4 SAE J 306: 75W-80	VOLVO WB 101	ALLISON C-4 CASE MS 1207/1209/1210 FORD M2C86-C FORD M2C134-D JOHN DEERE JDM J20C JOHN DEERE JDM J20D KOMATSU AXO 80 (KES 07.866) KUBOTA UDT FLUID MASSEY FERGUSON CMS M 1143, 1135 VOLVO WB 102 ZF TE-ML 03E, 03F, 05F, 06K
TITAN UTTO PLUS	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 CASE MS 1207/1209/1210 FORD M2C86-C, M2C134-D JOHN DEERE JDM J20C JOHN DEERE JDM J20D JOHN DEERE JDM J14 KOMATSU KES 07.866 KUBOTA UDT FLUID MASSEY FERGUSON CMS M 1143, 1135 STEYR 397.88.0001 VOLVO WB 101
TITAN UTTO ZF	Super High Performance Gear Oil for ZF axles with limited-slip differentials. Recommended for construction machinery and material-handling vehicles axles.	–	ZF TE-ML 05F, 06K, 17E, 21F (ZF000661)	VOLVO WB 101 ZF TE-ML 03E
TITAN UTTO TO-4 SAE 10W	Super High Performance multifunctional lubricant for hydraulics in construction machinery.	API GL-4 CAT TO-4 KOMATSU KES 07.868.1	–	ALLISON C-4 ZF TE-ML 03C
TITAN UTTO TO-4 SAE 30	Super High Performance multifunctional transmission lubricant for construction machinery.	API GL-4 CAT TO-4 KOMATSU KES 07.868.1	ZF TE-ML 03C, 07F (ZF000709)	ALLISON C-4 ALLISON TES-439
TITAN UTTO TO-4 SAE 50	Super High Performance multifunctional lubricant for final drives in construction machinery.	API GL-4 CAT TO-4 KOMATSU KES 07.868.1	–	–
TITAN UTTO TO-4 SAE 60	Super High Performance multifunctional lubricant for final drives in construction machinery.	API GL-4 CAT TO-4	–	–

Transmission Fluids

PENTOSIN


Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Double Clutch Transmission Fluids (DCTF)				
PENTOSIN FFL-52529  NEW	Premium Performance DCTF with new XTL®-Technology. Specially developed for the Audi DL382 Double Clutch Transmission with wet clutch. Provides optimum wear protection and excellent friction properties even under hard conditions and offers best shifting performance over the whole lifetime.	–	VW TL 52 529-C (G 055 529)	–
PENTOSIN FFL-2 NEW	Premium Performance DCTF. Specially developed for VW Double Clutch Transmission with wet clutch.	–	VW TL 52 182 (G 052 182)	–
PENTOSIN FFL-3 NEW	Premium Performance DCTF. Specially developed for ZF/Porsche Double Clutch Transmission with wet clutch.	–	MB-APPROVAL 236.24 ZF TE-ML 11 (ZF001747)	BMW 83 22 2 167 666 (MTF-LT-5) JAGUAR LAND ROVER GX73- M1R564-AA PORSCHE 999 917 080 00
PENTOSIN FFL-4 NEW	Premium Performance DCTF. Specially developed for GETRAG/BMW Double Clutch Transmission with wet clutch.	–	GETRAG (PWA05043)	BMW 83 22 2 148 578 BMW 83 22 2 148 579 BMW 83 22 0 440 214 BMW 83 22 2 147 477 McLaren: MP4-12C
PENTOSIN FFL-6 NEW	Premium Performance DCTF. Specially developed for BYD Double Clutch Transmission with wet clutch.	–	BYD 6DT35	–
PENTOSIN FFL-RACING NEW	Premium Performance DCTF. Specially developed for Double Clutch Transmission with wet clutch. Only for professional competition applications.	–	–	NISSAN GT-R (R35)

Transmission Fluids

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Automatic Transmission Fluids (ATF)				
TITAN ATF 9134 FE NEW	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. Product dyeing: none.	–	MB-APPROVAL 236.17	–
TITAN ATF 7134 FE	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. Product dyeing: blue.	–	MB-APPROVAL 236.15	–
TITAN ATF 6000 SL	Premium Performance ATF offering maximum performance in passenger car applications such as automatic transmissions with torque converters or wet clutches as well as power steering systems. Formulation is licensed according to DEXRON VI and downwards compatible to any former DEXRON-specification. Product dyeing: red.	–	DEXRON VI VOITH H55.6335.xx ZF TE-ML 09	BMW 81 22 9 400 272 BMW 81 22 9 400 275 BMW 81 22 9 407 738 BMW 83 22 0 397 114 BMW 83 22 0 403 248 BMW 83 22 0 403 249 BMW 83 22 0 432 807 BMW 83 22 9 407 858 BMW 83 22 9 407 859
TITAN ATF 5005	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. Product dyeing: red.	–	MAN 339 TYPE L1 MAN 339 TYPE V2 MAN 339 TYPE Z2 MB-APPROVAL 236.6 VOITH H55.6336.xx ZF TE-ML 04D, 14B, 16L, 17C (ZF000717)	DEXRON III (H) ALLISON TES 295 ALLISON TES 389 BMW 81 22 9 400 272 BMW 81 22 9 400 275 BMW 83 22 0 403 248 BMW 83 22 9 407 738 BMW 83 22 9 407 807 BMW 83 22 9 407 858 BMW 83 22 9 407 859 FORD MERCON V MAN 339 TYPE Z3 OPEL 19 40 707 VOLVO 97341 VW TL 521 62 (G 052 162) ZF TE-ML 02F, 11B, 14C
TITAN ATF 1 NEW	Ultra High Performance ATF especially developed for highly stressed step automatic transmissions in passenger cars as well as in commercial vehicles. Product dyeing: none.	–	VOITH H55.6336.xx (max. 180.000km) ZF TE-ML 04D, 11B, 14B, 16L, 17C (ZF000734)	BMW 83 22 9 407 807 CHRYSLER ATF +4 CITROËN/PEUGEOT Z 000 169756 DEXRON III JAGUAR JLM 20238 MB 236.11 PORSCHE 999.917.547.00 VW TL 521 62 (G 052 162)

TITAN

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Automatic Transmission Fluids (ATF)				
TITAN ATF 4400	Ultra High Performance ATF specifically formulated for Japanese passenger cars and light commercial vehicles. The high torque capacity exceeds the performance of many original fluids. Product dyeing: red.	JASO M315 TYPE 1A	–	DEXRON III AISIN WARNER/AW-1 BMW MINI 83 22 0 402 413 BMW MINI 83 22 7 542 290 CHRYSLER ATF +3/+4 DAIHATSU ALUMIX ATF MULTI FIAT TYPO T-IV/9.55550-AV4 FORD MERCON FORD M2C924-A/M2C922-A1 GM 9986195 HONDA ATF Z-I HYUNDAI SP III, SP IV ISUZU BESCO ATF -II/ATF -III JATCO 3100 PL085/FWD (N402)/JF506E (K17) JWS 3309/TYP T-IV KIA SP-IV MAZDA ATF D-III/ATF M-3 MITSUBISHI SP-II/III NISSAN MATIC C/D/J/S SAAB 3309 SUBARU ATF OIL/ATF OIL SPECIAL/ATF HP SUZUKI ATF 3309/3317 TOYOTA TYPE D-2/T-I/T-II/T-III/T-IV/WS VW G 052 990/055 025
TITAN ATF 4134	Ultra High Performance ATF, specially developed to optimise shifting performance of Mercedes automatic transmissions. Product dyeing: red.	–	MB-APPROVAL 236.14 SSANG YONG (MB-automatic transmissions)	–
TITAN ATF 4000	Ultra High Performance ATF for use in automatic transmissions as well as other ATF applications. Licensed according to DEXRON III (H). Improved low-temperature shifting compared to DEXRON II. Product dyeing: red.	–	ALLISON C-4 ALLISON TES 389 DEXRON III (H) MAN 339 TYPE L1 MAN 339 TYPE V1 MAN 339 TYPE Z1 MB-APPROVAL 236.1 MB-APPROVAL 236.9 VOITH H55.6335.xx VOLVO 97341 ZF TE-ML 04D, 14A (ZF000728)	BMW 81 22 9 400 272 BMW 81 22 9 400 275 BMW 81 22 9 407 738 BMW 83 22 0 403 248 BMW 83 22 9 407 765 BMW 83 22 9 407 807 BMW 83 22 9 407 858 BMW 83 22 9 407 859 CAT TO-2 FORD MERCON OPEL 19 40 707; OPEL 19 40 767 VW TL 521 62 (G 052 162) ZF TE-ML 02F, 03D, 09, 11B, 17C
TITAN ATF CVT	Ultra High Performance ATF specially designed for use in many CVT-gearboxes using push-belts or transmission chains made of steel. Product dyeing: none.	–	MB-APPROVAL 236.20 FORD WSS-M2C928-A	BMW 83 22 0 136 376 BMW 83 22 0 429 154 CHRYSLER CVTF+4 DAIHATSU AMMIX CVTF-DC/DFE DODGE/JEEP NS-2/CVTF+4 FORD WSS-M2C933-A/MERCON C GM DEX-CVT HONDA HCF-2 HYUNDAI/KIA SP-CVT1 MAZDA CVTF 3320 MITSUBISHI CVTF-J1/J4 NISSAN NS-1/NS-2/NS-3 SUBARU Lineartronic CV-30/CVTF/CVTF II/E-CVT/ICVT SUZUKI TC/NS-2/CVT Green 1/CVT Green 2/CVTF 3320 TOYOTA TC/CVT FE VW TL 521 80 (G 052 180) VW TL 525 16 (G 052 516)

Transmission Fluids



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Automatic Transmission Fluids (ATF)				
TITAN ATF 3353	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. Product dyeing: red.	–	MB-APPROVAL 236.12 VW TL 52533 (G 052 533)	DEXRON III BMW 83 22 9 407 765 FORD M2C195-A FORD M2C202-B FORD M2C922-A1 SSANG YONG
TITAN ATF 3000	Super High Performance DEXRON II (D) ATF for automatic transmissions in commercial vehicles, machinery and passenger cars according to manufacturer's documentation. Product dyeing: red.	–	MAN 339 TYPE L2 MAN 339 TYPE V1 MAN 339 TYPE Z1 MB-APPROVAL 236.1 VOITH H55.6335.xx ZF TE-ML 04D, 14A (ZF000720)	DEXRON II (D) ALLISON C-4 BMW 81 22 9 400 272 BMW 81 22 9 400 275 BMW 81 22 9 407 738 CAT TO-2 FORD MERCON; FORD M2C185-A FORD M2C138-CJ; FORD M2C166-H FORD M2C9010-A OPEL 19 40 700; OPEL 19 40 707 RENK-DOROMAT ZF TE-ML 02F, 03D, 09, 11A, 17C
TITAN ATF 10	High Performance ATF for transmissions, power steering systems and hydraulic drives which require a GM-specification TYPE A, Suffix A fluid. Product dyeing: red.	–	MB-APPROVAL 236.2	TASA MAN 339 TYPE A

Hydraulic Fluids

PENTOSIN


Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Central Hydraulic / Power Steering Fluids				
PENTOSIN CHF 115 NEW	Premium Performance Power Steering and Central Hydraulic Fluid with a wide application and approval profile for various manufacturers. Product dyeing: green.	DIN 51 524 T3 ISO 7308 FORD M2C204-A	CHRYSLER MS-11655B MAN M 3289 MB-APPROVAL 345.0 PSA S712710 ZF TE-ML 02K (ZF000832) VW TL 52 146 (G 002 000)	BENTLEY JNV862564F BMW 81 22 9 407 758 BMW 82 11 1 468 041 BMW 83 29 0 429 576 FENDT X 902 011 622 OPEL B 040 0070 PORSCHE 000 043 203 33 SAAB 3032 380 VOLVO 1161529
PENTOSIN CHF 202 NEW	Premium Performance Power Steering and Central Hydraulic Fluid with a wide application and approval profile for various manufacturers. Product dyeing: green.	DIN 51 524 T3 ISO 7308 FORD M2C204-A2	OPEL B 040 2012 HYUNDAI 00232-19017 VW TL 52 146.01 (G 004 000)	AUDI/VW G 004 012 PORSCHE 000 043 206 56 SAAB 93160548 VOLVO 30741424 LAND ROVER LR003401
PENTOSIN CHF 5364 B NEW	Premium Performance Central Hydraulic Fluid approved by Mercedes-Benz for level control systems in passenger cars formulated with fully-synthetic base oils. Product dyeing: none.	—	MB-APPROVAL 344.0	—
PENTOSIN LHM+ NEW	Ultra High Performance Central Hydraulic Fluid for use in the comfort and safety area of PSA vehicles. Product dyeing: green-yellow.	ISO 7308	PSA B71 2710	FIAT 9.55597 IVECO 18-1823 MASSEY FERGUSON NH 610A SDFG OF1611S
PENTOSIN PSF NEW	Super High Performance Power Steering Fluid approved by Mercedes-Benz for passenger cars and commercial vehicles. Product dyeing: none.	—	MB-APPROVAL 236.3	—

Lubricants for Agricultural Machinery



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
AGRIFARM STOU Oils				
AGRIFARM STOU MC PRO SAE 10W-40	Ultra High Performance Multifunctional Oil (STOU/MFO) of the latest generation for agricultural vehicles.	SAE J300: SAE 10W-40	DEUTZ DQC III-10	ACEA E7(E5/E3),E4, API CI-4, API GL-3/GL-4/API GL-5 in tractors* MAN 3275 AFNOR NFE 48603 HV, ALLISON C-4 CASE MS 1207, 1209, 1210, 1230 CNH MAT 3505, 3509, 3525, 3526 DIN 51524-3: HVLP (-D) FNHA 2C-200.00, 201.00 FORD M2C48-C3, M2C86-B, M2C134-D, M2C159-B/C JOHN DEERE JDM J20C NEW HOLLAND 82009201/2/3 NH 030C, 330G, 330H, 410B, 420A, 526C MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 ZF TE-ML 06A, 06B, 06C, 06F, 06L, 07B * without HOLMER
AGRIFARM STOU MC SAE 10W-30	MC-synthesis Super 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 SAE J300: SAE 10W-30	DEUTZ DQC I-02 ZF TE-ML 06B, 06F, 07B (ZF000733)	AFNOR NFE 48603 HV DIN 51524-3: HVLP (-D) ACEA E3 API CG-4 ALLISON C-4 CASE MS 1207, 1209, 1210, 1230 CNH MAT 3505, 3509, 3525, 3526 FORD M2C48-C3, M2C86-B, M2C134-D, M2C159-B/C JOHN DEERE JDM J20 C NEW HOLLAND 82009201/2/3 NH 410B, 420A MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 SAE J306: SAE 75W-80 ZF TE-ML 06A, 06C

AGRIFARM

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
AGRIFARM STOU Oils				
AGRIFARM STOU MC SAE 10W-40	Super 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 SAE J300: SAE 10W-40	DEUTZ DQC I-02 FENDT KDM 17/2012 ZF TE-ML 06B, 06F, 07B (ZF000729)	API GL-5 in tractors* ACEA E3 API CG-4 MAN 271 AFNOR NFE 48603 HV ALLISON C-4 CASE MS 1207, 1209, 1210, 1230 CNH MAT 3505, 3509, 3525, 3526 DIN 51524-3: HVLP (-D) FORD M2C134-D, M2C159-B/C FNHA 2C-200.00, 201.00, FORD M2C48-C3, M2C-86 B JOHN DEERE JDM J20C NEW HOLLAND 82009201/2/3 NH 030C, 330G, 410B, 420A, 526C MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 SAE J306: SAE 75W-90 ZF TE-ML 06A, 06C, 06L * without HOLMER
AGRIFARM STOU SAE 15W-40	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 API CF-4 CNH MAT 3525, 3526 DIN 51524 : HLP (-D) FNHA 200.00, 201.00 FORD M2C134-D, M2C159-B/C JOHN DEERE JDM J20C MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 NEW HOLLAND 82009201/2/3 NH 420A SDFG OU 1391, OT 1891 STEYR D-401 ZF TE-ML 06A, 06B, 06C, 07B
AGRIFARM Engine Oils				
AGRIFARM MOT X-LA SAE 10W-40 NEW	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 API CJ-4/ CI-4 PLUS/ CI-4/ CH-4 CAT ECF-3	DEUTZ DQC IV-10 LA (incl. TTCD) MB-APPROVAL 228.51	CNH MAT 3521 CUMMINS CES 20081
AGRIFARM MOT SAE 10W-40	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 turbo-charged engines.	ACEA E7 API CI-4 GLOBAL DHD-1 JASO DH-1	–	ALLISON C-4 CAT ECF-2 CUMMINS CES 20071/2/6/7/8 DAF DEUTZ DQC III MACK EO-M PLUS MAN M 3275-1 MTU DDC TYPE 2 RENAULT RLD/RLD-2 VOLVO VDS-3

Lubricants for Agricultural Machinery

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
AGRIFARM Engine Oils				
AGRIFARM MOT SAE 15W-40	Super High Performance Engine Oil for normally aspirated and turbocharged diesel engines in tractors and other machinery which make high demands on service intervals and engine cleanliness.	ACEA E7 API CI-4/SL GLOBAL DHD-1 CAT ECF-1-a/ ECF-2	DEUTZ DQC III-10 MB-APPROVAL 228.3	ALLISON C-4 CAT TO-2 CASE MS 1121 CUMMINS CES 20071/2/6/7/8 DETROIT DIESEL 93K215 IVECO 18-1804 CLASSE T2 E7 MACK EO-N MAN M 3275-1 MTU DDC TYPE 2 NH 330H RENAULT RLD/RLD-2 STEYR A-201 VOLVO VDS-3
AGRIFARM UTTO Oils				
AGRIFARM UTTO VT NEW	Ultra High Performance Multi-functional 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 (ZF002035)	ACEA E2 API CF-4/ CG-4/SF ALLISON C-4 CAT TO-2 FORD M2C159-B/C JOHN DEERE JDM J20C JOHN DEERE JDM J27 MASSEY FERGUSON CMS M 1145 (1144, 1143, 1139, 1135) ZF TE-ML 06C, 06F, 06Q, 06R
AGRIFARM UTTO MP	Super High Performance Multi-functional 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 SAE J300: 10W-30	ZF TE-ML 03E, 05F, 17E, 21F (ZF001623)	AGCO Powerfluid 821 XL AGCO Q-186 (Whitefarm) ALLISON C-4 CASE MS 1230, 1210, 1209, 1207, 1206 CLAAS / LANDINI / SAME-Transmission CNH MAT 3505, 3506, 3509, 3525, 3526, 3540 FNHA-2-C-200.00 / -201.00 FORD M2C48-C3, ESN M2C86-B/C, M2C134-D JOHN DEERE JDM J20C KUBOTA UDT FLUID MASSEY FERGUSON CMS M 1145, 1143, 1141, 1135 NH 410B SAE J306: 75W-80 SDFG OT 1891 A VALTRA G2-08, G2-B10 ZF TE-ML 06K
AGRIFARM UTTO LN	Super 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 SAE J300: 20W-30	—	AGCO Powerfluid 821 XL AGCO Q-186 (Whitefarm) ALLISON C-4 CASE MS 1206, 1207, 1209, 1210, 1230 CNH MAT 3505, 3506, 3509, 3525, 3526 FNHA-2-C-200.00 / -201.00 FORD M2C48C3, ESN M2C86-B/C, M2C134-D JOHN DEERE JDM J20C MASSEY FERGUSON CMS M 1141, 1135 SAE J306: 80W-85 CLAAS / LANDINI / SAME-Transmission / DEUTZ-FAHR FENDT (non Vario)
AGRIFARM Gear Oils				
AGRIFARM GEAR LS SAE 90	Super High Performance EP Gear Oil for axles fitted with limited-slip differentials in agricultural and other machinery.	API GL-5	—	NH 520B SDFG OP 1705LS VOLVO 97310 ZF TE-ML 05C, 12C, 16E

AGRIFARM

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
AGRIFARM Milking Machine Oil				
AGRIFARM MILKING MACHINE OIL	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 WESTFALIA

Motorcycle Lubricants



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
RACE – For professional racers and everybody who rides at the limit				
SILKOLENE PRO R SAE 0W-20	Fully-synthetic four-stroke racing engine oil based on the latest Electrosyntec-Technology. Special racing formulation. Only for professional competition applications.	–	–	–
SILKOLENE PRO 4 PLUS SAE 5W-40	Four-stroke racing engine oil based on synthetic esters. Specially formulated for use in Superbikes, Supersports and production racers.	API SJ/SL	JASO MA2	API SG/SH
SILKOLENE PRO 4 PLUS SAE 10W-50	Four-stroke racing engine oil based on synthetic esters. Specially formulated for use in Superbikes, Supersports and production racers.	API SJ/SL	JASO MA2	API SG/SH
SILKOLENE PRO 4 SAE 10W-40 XP SAE 15W-50 XP SAE 10W-60 XP	Premium Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.	API SM/SN	JASO MA2	–
SILKOLENE PRO KR2	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	–
SILKOLENE PRO 2	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	–
SILKOLENE COMP 2 PLUS	Fully-synthetic two-stroke racing engine oil. Perfect for GP racing engines. Suitable for Premix and Autolube systems.	API TC JASO FC/FD ISO-L-EGD	–	–
SILKOLENE RSF 2.5/5/7.5/10/15	Fully-synthetic shock-absorber fluids and special fork oils with a high viscosity index. Specially developed for racing.	–	–	–

Silkolene®

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
RACE – For professional racers and everybody who rides at the limit				
SILKOLENE PRO CHAIN	Fully-synthetic racing chain lube spray for high-performance road, racing and motocross applications. For all chains with or without O-rings.	–	–	–
RIDE – For the tourer and street rider				
SILKOLENE COMP 4 SAE 10W-30 XP SAE 10W-40 XP SAE 15W-50 XP SAE 20W-50 XP	Ultra High Performance 4-Stroke engine oil for all high performance motorcycles with latest XP Technology.	API SL	JASO MA2	–
SILKOLENE SUPER 4 SAE 15W-40	Four-stroke engine oil formulated with selected base oils. Specially for use in BMW motorcycles with and without wet clutches.	–	–	API SF/SG BMW Motorrad JASO MA
SILKOLENE SUPER 4 SAE 10W-40	MC-synthesis four-stroke engine oil. High-quality standard product offering excellent protection.	–	JASO MA2	API SF/SG/SH
SILKOLENE SUPER 4 SAE 20W-50	MC-synthesis four-stroke engine oil. High-quality standard product offering excellent protection.	–	JASO MA2	API SF/SG
SILKOLENE V-TWIN SAE 20W-50	Mineral four-stroke engine oil. Specially developed for Harley-Davidson and European/Japanese Metric V-Twins.	API SJ	JASO MA2	API CF/SG/SH
SILKOLENE COMP 2	Synthetic two-stroke engine oil. Reliable protection against seizures, ring sticking and coking. Suitable for Premix and Autolube systems.	API TC JASO FC/FD ISO-L-EGD	–	–
QUADS ATV – For professionals and fun bikers				
SILKOLENE QUAD ATV SAE 5W-40	Fully-synthetic four-stroke engine oil for highly-stressed Quads and ATVs. Offers first-class quality and reliable protection against wear.	API SJ/SL	JASO MA2	API SG/SH
SILKOLENE QUAD ATV SAE 10W-40	MC-synthesis four-stroke engine oil specially developed for Quads and ATVs. Standard, high-quality product for reliable protection.	API SJ	JASO MA2	API SG/SH
SCOOT – The name says it all				
SILKOLENE SCOOT 4 SAE 10W-40	Synthetic four-stroke engine oil for scooters and mopeds. Perfect for high-tech, four-stroke scooters.	API SJ	JASO MA2	API SG/SH
SILKOLENE SCOOT SPORT 2	Synthetic two-stroke engine oil for highly-stressed scooter engines. Suitable for Premix and Autolube systems.	API TC JASO FC/FD ISO-L-EGD	–	–
SILKOLENE SCOOT 2	MC-synthesis two-stroke engine oil for scooters and mopeds. Suitable for Premix and Autolube systems.	API TC JASO FC	–	–

Motorcycle Lubricants

Silkolene®

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
MAINTAIN – Maintenance and protection for your bike				
SILKOLENE PRO SRG 75	Fully-synthetic, ester-based racing gear oil. Excellent protection against wear and easy shifting even at extreme temperatures.	–	–	–
SILKOLENE COMP GEAR OIL SAE 80W-90	Synthetic, high-performance, ester-based gear oil. Particularly recommended when the gearbox contains aluminium components.	API GL-4/GL-3	–	–
SILKOLENE BOA SAE 80W-90	High-performance gear oil for shaft drives and other hypoid, crown wheel and pinion applications.	API GL-5/GL-4	–	–
SILKOLENE MAG COOL	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.	–	–	–
SILKOLENE SF 20 / 30	Fork oils for all types of motorcycle forks. Ensures smooth operation, optimum protection against wear and perfect road-holding.	–	–	–
SILKOLENE FOAM FILTER OIL	Special product for the oiling of freshly-washed foam filters. Also available as a spray.	–	–	–
SILKOLENE FOAM FILTER CLEANER	Special water-soluble cleaner used to wash foam filter elements.	–	–	–
SILKOLENE TITANIUM DRI GEL	Advanced chain lubricating gel: Effectively resists fling-off and appears whitish when applied.	–	–	–
SILKOLENE CHAIN LUBE	Synthetic chain lube spray for optimum wear and rust protection. For all motorcycle chains with or without O-rings.	–	–	–
SILKOLENE BRAKE & CHAIN CLEANER	Highly effective cleaner for brakes and drive chains. Effectively removes caked residue.	–	–	–
SILKOLENE CARB CLEANER	Carburettor cleaner spray.	–	–	–
SILKOLENE PRO PREP	Special conditioning spray for plastics and painted surfaces restores the „brand-new“ look.	–	–	–
SILKOLENE PRO WASH	Rapidly biodegradable, highly-effective motorcycle cleaner for all surfaces including aluminium. Available in 1-litre pump-bottles or in 25 litre drums.	–	–	–
SILKOLENE ALL-IN-ONE	Multipurpose maintenance spray with a multitude of uses: SILKOLENE ALL-IN-ONE can be used to dry out damp ignitions or free rusted fasteners. It has excellent dewatering properties, repels moisture, penetrates corroded threads, lubricates and even offers protection against corrosion.	–	–	–
SILKOLENE SILKOPEN	A suspension of very fine lubricating graphite in a thin searching mineral oil carrier. SILKOLENE SILKOPEN penetrates corroded or seized threads, lubricates them at the same time to ease dismantling by lowering the torque required.	–	–	–
SILKOLENE PRO BOOST	Octane improver to combat pre-ignition and improve acceleration.	–	–	–

Service Products

MAINTAIN



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Antifreeze				
MAINTAIN FRICOFIN V	Ultra High Performance Coolant Additive based on monoethylene glycol. Free of nitrites, amines and phosphates. Product dyeing: pink-violet.	ASTM D 3306 TYPE I BS 6580:2010	VW TL 774-J (G13)	–
MAINTAIN FRICOFIN DP	Ultra High Performance Coolant Additive based on monoethylene glycol. Free from nitrite, amine and phosphate. Product dyeing: pink-violet.	AFNOR NF R 15-601 TYPE 1 ASTM D 3306 TYPE I ASTM D 4985 BS 6580:2010 SAE J814 CUMMINS CES 14603	DEUTZ DQC CC-14 MAN 324 TYPE Si-OAT MB-APPROVAL 325.5 MB-APPROVAL 325.6	DETROIT DIESEL 93K217 SCANIA TB 1451 VW TL 774-G (G12++)
MAINTAIN FRICOFIN DP -35	Ultra High Performance Coolant Ready-Mix based on monoethylene glycol. Offers frost protection down to -35°C. Free from nitrite, amine and phosphate. Product dyeing: pink-violet	AFNOR NF R 15-601 TYPE 3 ASTM D 3306 TYPE III ASTM D 4985 BS 6580:2010 SAE J814 CUMMINS CES 14603	DEUTZ DQC CC-14 MB-APPROVAL 326.5 MB-APPROVAL 326.6	DETROIT DIESEL 93K217 MAN 324 TYPE Si-OAT SCANIA TB 1451 VW TL 774-G (G12++)

Service Products

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Antifreeze				
MAINTAIN FRICOFIN LL	Premium Performance Coolant Additive based on monoethylene glycol. Free from nitrite, amine, phosphate and silicates. Product dyeing: orange.	ASTM D 3306 TYPE I BS 6580:2010 SAE J814 FORD WSS-M97-B44-D JAGUAR LAND ROVER STJLR.651.5003 FVV Heft R443 KSM 2142 UNE 26-361-88/1	Bez.Reg.Arnsbg. E62.12.22.64-2011-1 CAT / MWM TR 0199-99-2091 DAF 74002 DEUTZ DQC CB-14 MAN 324 TYPE SNF MB-APPROVAL 325.3	AFNOR NFR 15-601 TYPE I ASTM D 4985 SAE J1034 ADE (ATLANTIS DIESEL ENGINES) BAIC GROUP FOTON Q-FPT 2313005-2013 CATERPILLAR MAK A4.05.09.01 CHRYSLER MS 12106 CNH MAT 3624 CUMMINS (ISBe engines at DAF and Leyland) CUMMINS CES 14603, CES 14439 DETROIT DIESEL 93K217 FIAT 9.55523 GM GMW 3420 (6277M) HYUNDAI MS 591-08 JASO M325 JIS K2234 JOHN DEERE JDM H5 KOMATSU AF-NAC (ready mix) (07.892 (2009)) LIEBHERR MD 1-36-130 MACK 014 GS 17009 MAZDA MEZ MN 121 D PSA B 71 5110 RENAULT 41-01-001/- -S Type D SAAB B 040 1065 SKODA 61-0-0257 TOYOTA TSK 2601G-8A VAUXHALL GME L1301 VW TL 774-D/F (G12+ / different colour) VOLVO 128 6083/002 (=VOLVO TRUCKS, VOLVO CE, from MY 2005, VOLVO PENTA from MY 05/2010)
MAINTAIN FRICOFIN HDD	Ultra High Performance Engine Coolant concentrate based on monoethylene glycol. Free of amines and phosphates with low silicate technology. Product dyeing: yellow.	ASTM D 3306 TYPE I ASTM D 4985 ASTM D 6210 TYPE I-FF ASTM D 7583 AS/NZS 2008:2004 TYPE A BS 6580:2010 SAE J814 CHRYSLER MS 7170 CHRYSLER MS 9769 DETROIT DIESEL 75E298 FORD ESE-M97B44-A FORD ESE-M97B18-C FORD WSS M97B51-A1 GM 1825M & GM 1899M JIS K2234 MACK 014GS17004	MTU MTL 5048	CASE MS 1710 CAT EC-1 CUMMINS CES 14603 DETROIT DIESEL 93K217 (NOAT) FREIGHTLINER 48-2288D IVECO 18-1830 KENWORTH RO26-170-97 MAN 324 TYPE N NEW HOLLAND WSN-M97B18-D PACCAR CS 0185 TOYOTA Motor Corp. RP 329
MAINTAIN FRICOFIN	Super High Performance Coolant Additive based on monoethylene glycol. Free from nitrite, amine and phosphate. Product dyeing: blue-green.	AFNOR NF R 15-601 TYPE 1 ASTM D 3306 TYPE I ASTM D 4985 BS 6580:2010 CUNA NC 956-16 SAE J814 SAE J1034	BMW GS 94000 (BMW N 600 69.0) CAT / MWM TR 0199-99-2091 DEUTZ DQC CA-14 GE JENBACHER TA 1000-0201 MAN 324 TYPE NF MAN 324 TYPE NF PRITARDER MB-APPROVAL 325.0 MTU MTL 5048 PN-C 40007:2000 VOITH TURBO 172.00225010	DAF 74001 LIEBHERR TLV 035/TLV 23009 A OPEL/GM B 040 0240 VW TL 774-C (G11)

MAINTAIN

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Antifreeze				
MAINTAIN FRICOFIN -35	Super High Performance Coolant Ready-Mix based on monoethylene glycol. Offers frost protection down to -35 °C. Free from nitrite, amine and phosphate. Product dyeing: blue-green.	AFNOR NF R 15-601 TYPE 3 ASTM D 3306 TYPE III ASTM D 4985 BS 6580:2010 SAE J814	DEUTZ DQC CA-14 MB-APPROVAL 326.0	BMW GS 94000 (BMW N 600 69.0) DAF 74001 JENBACHER TA 1000-0201 LIEBHERR TLV 035/TLV 23009 A MAN 324 TYPE NF MAN 324 TYPE NF PRITARDER MTU MTL5048 CAT / MWM TR 0199-99-2091 OPEL/GM B 040 0240 PN-C 40007:2000 VOITH TURBO 172.00225010 VW TL 774-C (G11)
MAINTAIN FRICOFIN S	High Performance Coolant Additive based on monoethylene glycol. Free from nitrite, amine and phosphate. Product dyeing: light green.	ASTM D 3306 TYPE I BS 6580:2010	—	—
Brake Fluids				
MAINTAIN DOT 5.1	Ultra High Performance Brake Fluid for hydraulic brake systems and clutch actuation in passenger cars, trucks and motorcycles.	FMVSS NR. 116 DOT 5.1 ISO 4925 CLASS 3/4/5.1 SAE J 1703/J 1704	—	—
MAINTAIN DOT 4	Super High Performance Brake Fluid for hydraulic brake systems and clutch actuation in passenger cars, trucks and motorcycles.	FMVSS NR. 116 DOT 3/ DOT 4 ISO 4925 CLASS 3/4 SAE J1703/J1704	—	FORD M6C62-A FORD M6C9103-A NH 800A OPEL 19 42 421
Fuel Additives				
MAINTAIN DIESEL EFFECT	Super High Performance Fuel Additive improving Diesel fuel properties for singular as well as constant treatment.	—	—	—
MAINTAIN GASOLINE PLUS	Super High Performance Fuel Additive designed to clean the entire fuel system of gasoline engines. Recommended for constant use.	—	—	—
MAINTAIN WINTERFIT	Super High Performance Diesel Fuel and Heating Oil Additive to prevent waxing and plugging at low temperatures.	—	—	—
Oil Binder				
MAINTAIN ABSORPEX	Oil Binder Type III R, Chemical Binder	Reported by Hygiene Institut Gelsenkirchen MPL	—	—

Specialities



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Hydraulic Oils				
TITAN HYD MR 530 MC	Ultra High Performance multigrade hydraulic oil for construction machinery as well as diverse motor vehicle applications.	HVLPD covers SAE 5W to 30 or ISO VG 22-68 (100)	—	—
TITAN HYD 1030	Super High Performance multigrade hydraulic oil for general machinery and motor vehicle applications.	HVLP according to DIN 51 524-3 HV according to ISO 11158	DENISON HF 0	CASE MS 1216
Fitting Products				
RENOLIT SI 300 M	Low temperature silicon grease for plastic lubrication and mounting aid of O-rings and sealings.	MSI 2 P-70	VW TL 767 X DBL 6812.10	—
RENOLIT CHUCK PASTE	White special paste for the lubrication of threads, screws and chucks, avoids fretting corrosion, NLGI 2-3.	—	—	—
RENOLIT PASTE PW	Special paste based on calcium sulphonate complex soap and mineral oil as assembly paste to avoid fretting corrosion.	—	—	—
Cleaner				
FUCHS MULTICLEAN	Well-proven cleaner for multipurpose application in industries and workshops. Rapidly dislodges oil residues.	—	—	—

Brand name	Description
Corrosion Protection Aerosols	
ANTICORIT DFG	Spray and penetrating oil with solid lubricants.
ANTICORIT 5F SPRAY	Surface protection spray.
ANTICORIT RPC SPRAY	Contact and engine protection spray. Excellent rust protection and good lubrication properties. Can be used as a contact spray.
ANTICORIT BW 366 SPRAY	Corrosion preventive wax spray with effective barrier function. Underfloor and cavity protection.
ANTICORIT SYNTH SPRAY	Fully-synthetic corrosion spray with excellent penetrating effect.
ANTICORIT CPX SPRAY	High Performance corrosion preventive for cavity protection under severe conditions.
Grease Aerosols	
RENOLIT UNILOAD	Based on a Heavy Duty Grease with solid lubricants for the lubrication of highly loaded, low speed plain and roller bearings and open gears.
RENOLIT UNIMAX LZ	Based on multipurpose tacky grease for the lubrication of plain and roller bearings, chains, passenger cars and commercial vehicles, construction industry, industrial and agricultural machines.
PLANTO MULTISPRAY S	Based on a rapidly biodegradable EP Multipurpose Grease for the lubrication of plain and roller bearings of construction, agriculture and forestry equipment.
DUOTAC ZAHNRADSPRAY	Based on bitumen-free special lubricant with graphite, lubrication of open gears, gear rims, racks, chains, outer lubrication of wire ropes in crane installations, excavators, agricultural machines, rack and pinion railways; to be applied in cold condition, for open toothed-wheel gearing, solid lubricating film up to +300 °C.
RENAX GLEITSPRAY	Assembly aid. Spray grease for hinges, joints and diverse movable small lubrication applications.

Greases



Brand name	Description	Specifications	Approvals
RENOLIT MP	Standard, multipurpose EP grease. Suitable for low temperatures. NLGI 2, -40 °C to +120 °C.	KP 2 K-40 ISO-L-X-DCEB 2	MB-APPROVAL 267.0
RENOLIT MP PLUS Only available for use in FUCHS system grease guns.	High Performance Multipurpose EP grease for plain and roller bearings with excellent adhesion, good corrosion protection and very good ageing stability, NLGI 2, -30 °C to +120 °C.	KP 2 K-30 ISO-L-X-CCEB 2	–
RENOLIT MP 150	Lithium thickened special grease with high ageing resistance, good EP and low temperature properties, for wheel bearings and multipurpose grease for trucks, temperature range from -40 °C up to +120 °C.	KP 2 K-40 ISO-L-X-DCEB 2	MB-APPROVAL 267.1
RENOLIT MP 735	High Performance Multipurpose EP wheel bearing grease. NLGI grade 2, -40 °C to +120 °C.	KP 2 K-40 ISO-L-X-DCEB 2	MAN 283 Li-P 2 VW TL 735 STABILUS 100 15883
RENOLIT LZR 2 H	Highly adhesive, Premium Performance-quality, long-life EP grease based on lithium soap for all plain and roller bearings as well as central lubrication systems in commercial vehicles and general machinery. Excellent corrosion protection even in the presence of saltwater, NLGI 2, -30 °C to +140 °C.	KP 2 N-30 ISO-L-X-CDIB 2	Central lubrication system of BAIER & KÖPPEL LINCOLN and SKF Lubrication Solutions
RENOLIT LZR 000	Semi-fluid grease for central lubrication systems of commercial vehicles and gearboxes in municipal machinery (observe manufacturer's recommendations), NLGI 00-000, -40 °C to +110 °C.	ISO-L-X-DBIB 00-000 GP 00-000 G-40	MAN 283 Li-P 00/000 MB-APPROVAL 264.0 Commercial central lubrication system of LINCOLN and SKF Lubrication Solutions (for trucks)
RENOLIT FLM 2 Also available for use in FUCHS system grease guns. Also in NLGI grade 0 available.	EP-grease based on lithium soap and mineral oil, containing molybdenum disulphide (MoS ₂). For the lubrication of commercial vehicles and machinery. NLGI 2, -30 °C to +140 °C.	KPF 2 N-30 ISO-L-X-CDEB 2	MAN 285 Li-PF 2

RENOLIT

Brand name	Description	Specifications	Approvals
RENOLIT LX-OTP 2	Fully synthetic special grease based on lithium complex thickener, containing solid lubricants, especially for the lubrication of knuckle pins, -40 °C to +160 °C.	–	MAN TUC 8080/00
RENOLIT CA-LZ Also available in spray cans as RENOLIT UNI-MAX LZ.	Long-term, tacky grease based on a special calcium soap with excellent water resistance, for the lubrication of construction and agricultural machinery, NLGI 2, -30 °C to +120 °C.	KP 2 K-30 ISO-L-X-CCHB 2	–
RENOLIT CX-HT 2 Also available for use in FUCHS system grease guns. Also in NLGI grade 0 available.	Heavy duty grease based on calcium sulphonate complex soap containing MoS ₂ and graphite for the lubrication of highly-stressed plain bearings at high temperatures. Excellent protection against corrosion and wear. Lubrication of open gear systems and gear rims, NLGI 2, -20 °C to +200 °C, also available in spray can as RENOLIT UNILOAD .	–	–
RENOLIT POLAR BLACK	Fully synthetic special grease based on lithium soap for the lubrication of high loaded plain and roller bearings. All-season grease for construction and mining machines, NLGI 1-2, -50 °C to +140 °C.	–	–
RENOLIT DURAPLEX EP 2 Also available for use in FUCHS system grease guns. Also in NLGI grade 1 and 3 available.	EP high temperature multipurpose grease for the long-term lubrication of plain and roller bearings, such as vehicle clutch-release bearings, highly-stressed construction machinery bearings, etc., NLGI 2, -30 °C to +160 °C.	–	–
RENOLIT LX-PEP 2 Also in NLGI grade 1-2 and 3 available.	Special grease based on lithium complex soaps for long-life applications. Good corrosion protection, thermally and mechanically stable, specially suitable for wheel bearings of cars and trucks, -30 °C to +150 °C.	KP 2 N-30 ISO-L-X-CDEB 2	MAN 284 Li-H 2 MB-APPROVAL 265.1 SCHAEFFLER DB-Kenndatenblatt 873 499 ZF TE-ML 12 VW TL 52147X INTERPRECISE

Rapidly Biodegradable Lubricants



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
PLANTO MOT SAE 5W-40	Super High Performance SAE 5W-40 Diesel Engine Oil. Rapidly biodegradable and specially recommended for use with alternative Diesel fuels.	–	–	ACEA E3/B3 API CG-4 KUBOTA SISU ZETOR
PLANTOSYN 3268*	Environmentally friendly, HVI multigrade hydraulic oil with high temperature stability based on fully-saturated, synthetic esters (HEES), rapidly biodegradable according to OECD 301 B >60%. Awarded the European Eco Label.	ISO 15380: HEES DIN 51524-3: HVLP DIN 51519: ISO VG 46	FENDT O&K BAUMASCHINEN ECO-Label	BOSCH REXROTH AG CAT BF-1 KRAMER ALLRAD PALFINGER SAUER DANFOSS TIMBERJACK VALMET / KOMATSU FOREST PONSSE
PLANTOSYN 3268 ECO*	Environmentally friendly, HVI multigrade hydraulic fluid based on partly saturated synthetic esters (HEES), universally applicable, rapidly biodegradable according to OECD 301 B >60%, awarded with the European Eco Label.	DIN 51519: ISO VG 46 ISO 3448: ISO VG 46 DIN 51524-2: HLP DIN 51524-3: HVLP ISO 15380: HEES FENDT: KDM 28/2006	FENDT KDM 28/2006 ECO-Label	–
PLANTOHYD 40 N*	Environmentally friendly, hydraulic and lubricating oil based on natural raw materials with additives to improve oxidation stability and ageing stability. Type HETG acc. to ISO 15380, for mobile and stationary hydraulic equipment. Rapidly biodegradable acc. to OECD 301 B >60%, awarded with the European Eco Label.	ISO 15380: HETG	ECO-Label	–
PLANTO HYTRAC PLUS	Biodegradable Super High Performance Multifunctional Oil (UTTO) for tractor gearboxes with or without wet brakes.	SAE 10W-30 SAE 80	–	Several makes of tractors
PLANTOLUBE KS 32-N	Biodegradable rapeseed oil-based tacky lubricant for chains and other total-loss applications.	–	–	–

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PLANTO

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
PLANTO TAC 68*	Biodegradable Super High Performance Chain Saw Oil based on rapeseed. For professional use in chain saws. Excellent lubricity and good ageing stability. Awarded the European Eco Label.	–	KWF ECO-Label	DOLMAR HUSQVARNA SOLO STIHL
PLANTOGEL ECO 2 N* Also available in NLGI grade 1.	Environmentally friendly, readily biodegradable total loss lubricating grease based on calcium soap and rape seed oil. Awarded with the EU-Ecolabel, NLGI 2, -20 °C to +70 °C.	–	ECO-Label	–
PLANTOGEL ECO 2 S*	Environmentally friendly, readily biodegradable EP-grease based on lithium soap and synthetic esters for the lubrication of plain and roller bearings. Good pumpability in central lubrication systems, awarded with the EU-Ecolabel, NLGI 2, -40 °C to +120 °C.	–	ECO-Label	–

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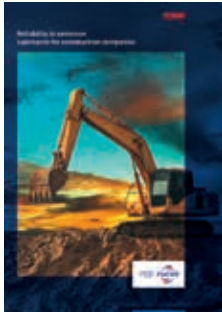
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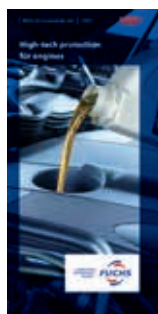
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MAINTAIN



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XTL-Video for commercial vehicles

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