

TITAN / RENOLIT / MAINTAIN

**Lubricants for Transport Companies
and Municipal Fleets**



LUBRICANTS. TECHNOLOGY. PEOPLE.

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

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 LUBRICANTS (UK) plc, a company of the FUCHS Group

UK manufacturing site: Hanley, Stoke-on-Trent

Certifications: ISO 9001, IATF 16949, EN 9100, ISO 14001, ISO 50001 and OHSAS 18001

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

FUCHS is a global Group with German roots that has developed, produced and sold lubricants and related specialties for more than 85 years – for virtually all areas of application and sectors. With 58 companies and almost 5,000 employees worldwide, the FUCHS Group is the leading independent supplier of lubricants.

Across the UK, a team of more than 300 specialists works to guarantee the satisfaction of our customers. Whatever their requirements, FUCHS has 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.

In close contact with its customers, FUCHS develops holistic, innovative and custom-made solutions for the most diverse applications. As a lubricant manufacturer, FUCHS stands for performance and sustainability, safety, reliability, efficiency and cost savings. FUCHS represents a promise: technology that pays back.

Commercial Vehicle Applications

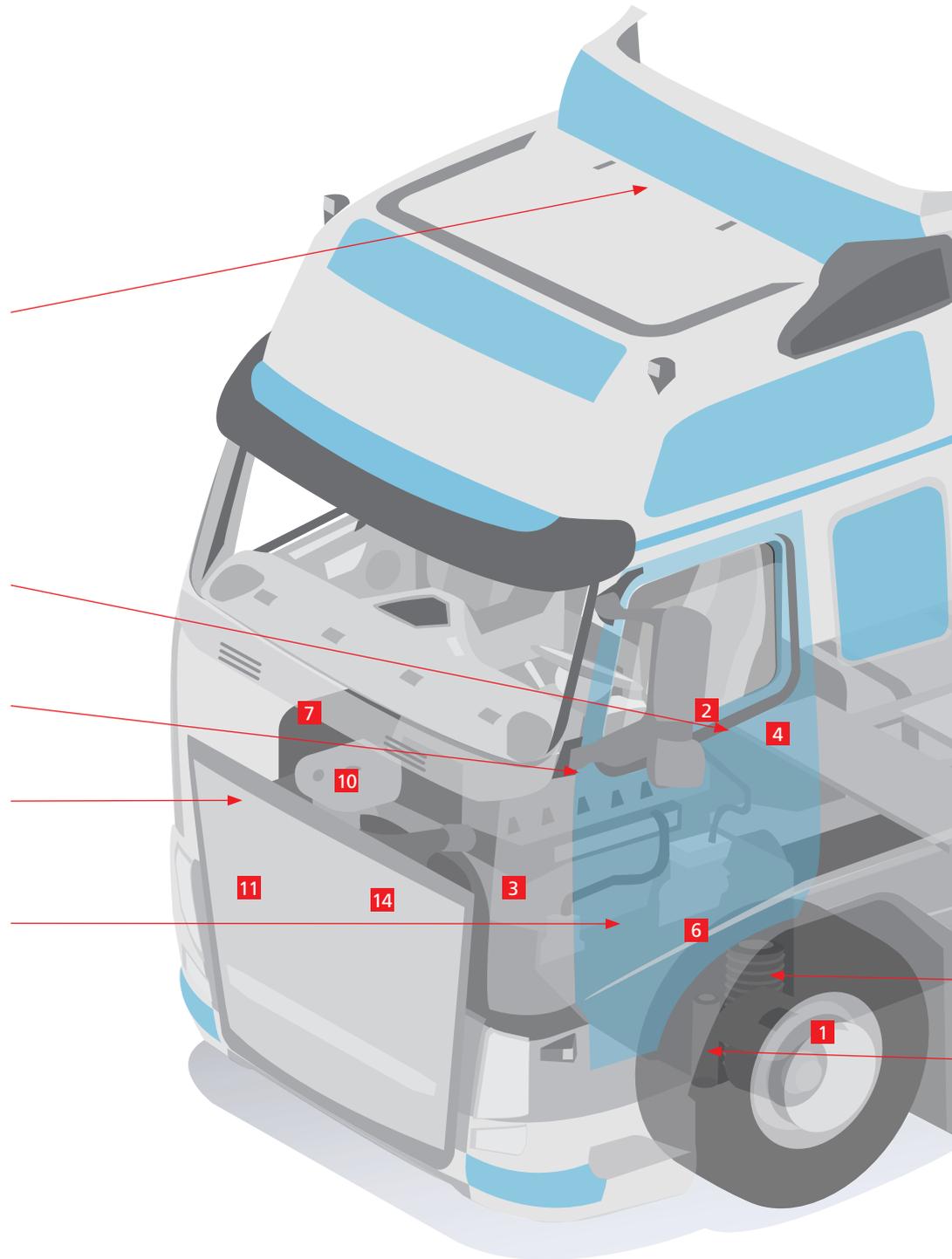
Refrigeration and air conditioning:
RENISO Refrigeration Oils

Central Hydraulic:
TITAN (PENTOSIN)
Central Hydraulic Oil

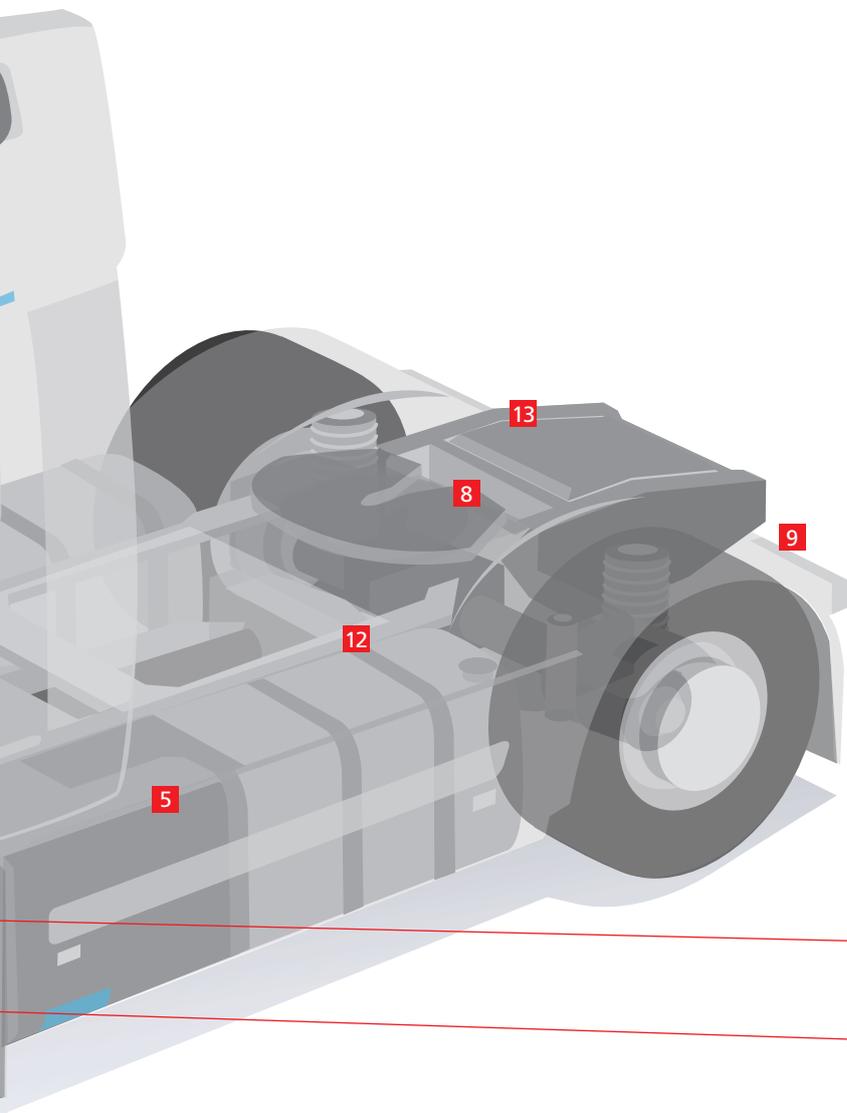
Engine:
TITAN Engine Oil

Cooler:
MAINTAIN Antifreeze

Power Steering:
TITAN (PENTOSIN)
Power Steering Fluids



FUCHS not only manufactures engine and transmission oils. Thanks to our close cooperation with the leading vehicle manufacturers, we understand all components of the powertrain and can offer the ideal corresponding product solutions. This creates a coordinated overall package beyond the powertrain.



RENOLIT Greases:

- 1 wheel bearings
- 2 seat adjustment / damper
- 3 steering systems
- 4 door locks
- 5 tank lock
- 6 brake system
- 7 wiper system
- 8 saddle plate
- 9 trailer supports
- 10 chassis system
- 11 kingpin
- 12 central lubrication system
- 13 trailer hitch
- 14 viscous fans

Shock Absorber:

TITAN Suspension Fluid

Transaxles:

TITAN Differential Oil

Transmission:

TITAN Gear Oil



MAXIMISE AVAILABILITY - MINIMISE COSTS

Truck fleet operators consider two aspects of crucial importance: optimum availability of the vehicles at all times and the lowest possible operating costs. Downtimes alongside high fuel costs affect competitiveness.

FUCHS, the world's largest independent lubricant specialist, manufacture lubricants to help your company achieve better results in these two sensitive areas.

XTL® - Engine Oils from FUCHS - Technology that pays back



The latest result from our research and development is the innovative XTL® engine oil technology for commercial vehicles, which provides substantial potential savings for your company. An extensive series of tests - stationary and in field - impressively demonstrate that FUCHS XTL® enables you to achieve significantly improved values in four areas: fuel consumption, turbocharger protection, piston cleanliness and oil consumption.

Reducing fuel consumption opens up new dimensions for FUCHS XTL® engine oils. For the first time, the fuel savings were checked by a newly developed engine oil not only in the fresh oil condition, but also in the aged state of the engine oil.

XTL® - Engine oils reduce operating costs

The efficiency of our XTL® technology can be highlighted by its reduction in fuel consumption, by up to 1.0%. That means a sustainable reduction of fuel costs. Save every day with every mile driven.

1.8%

Lower fuel consumption
Comparing:
TITAN CARGO MAXX SAE 10W-40 /
TITAN CARGO MAXX SAE 5W-30 XTL®

11%

Lower turbocharger deposits
Comparing:
TITAN CARGO MAXX SAE 10W-40 /
TITAN CARGO MAXX SAE 10W-40 XTL®

23%

Improvement in cold-weather performance
Comparing:
TITAN CARGO MAXX SAE 10W-40 /
TITAN CARGO MAXX SAE 10W-40 XTL®

27%

Lower oil consumption
Comparing:
TITAN CARGO MAXX SAE 10W-40 /
TITAN CARGO MAXX SAE 10W-40 XTL®

Your bill could look like this:

Carrier in long-distance traffic / vehicles	Fuel-consumption in liters 100 km each	Annual mileage / oil change interval in km	Diesel fuel price (litres) in € without VAT	Savings with XTL® engine oils in%	Fleet savings per year in €
30	35	150.000	0,9**	1,0*	14.175,-
				CO₂- Savings approx. 42 t p/y	

* 1% Fuel economy with TITAN CARGO MAXX SAE 5W-30 XTL in OM501 LA FE

** Average value 2017

Engine Oils



Product	Description	Specifications	Approvals	FUCHS Recommendations
Engine oils for commercial vehicles				
TITAN CARGO MAXX SAE 5W-30 	Premium MAXX Performance, zinc-free, extreme fuel-economy oil for highly-loaded commercial vehicle diesel engines. Specially developed for exhaust after treatment and turbocharger. Optimum cold starting, lower oil consumption and minimized exhaust emissions. Low SAPS (Sulphated Ash, Phosphorus and Sulphur).	ACEA E9/E7/E6/E4 API CJ-4 CAT ECF-3 SCANIA LA JASO DH-2	DEUTZ DQC IV-10 LA DETROIT DIESEL 93K218 MACK EO-O PREMIUM PLUS MAN M 3271-1, M 3477, M 3575, M 3677 MB-APPROVAL 228.31 MB-APPROVAL 228.51 MTU DDC TYPEE 2.1, 3.1 RENAULT RLD-3 SCANIA LDF-4 VOLVO VDS-4	CUMMINS CES 20081 IVECO 18-1804 CLASSE TLS E6
TITAN CARGO MAXX SAE 10W-30	Premium MAXX Performance engine oil specially developed for vehicles with modern exhaust after treatment and turbocharger. Good cold starting and excellent age stability for fuel-economy over the whole drain-interval.	ACEA E9/E7/E6 API CK-4/SN CAT ECF-3	DEUTZ DQC IV-18 LA MACK EOS-4.5 MAN M 3477, MAN M 3677 MB-APPROVAL 228.51 MTU DDC TYPEE 3.1 RENAULT RLD-3 SCANIA LA VOLVO VD-4.5	CUMMINS CES 20086 DETROIT DIESEL 93K218 DETROIT DIESEL 93K222 JASO DH-2 RENAULT RLD-4
TITAN CARGO MAXX SAE 10W-40 	Premium MAXX Performance, fuel-economy oil for highly-loaded commercial vehicle diesel engines. Specially developed for exhaust after treatment and turbocharger. Good cold starting, lower oil consumption and minimized exhaust emissions. Low SAPS (Sulphated Ash, Phosphorus and Sulphur).	ACEA E9/E7/E6/E4 API CJ-4 JASO DH-2 CAT ECF-3	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 DETROIT DIESEL 93K218 IVECO 18-1804 CLASSE TLS E9 IVECO 18-1809 CLASSE NG2 VOITH-RETARDER „B“



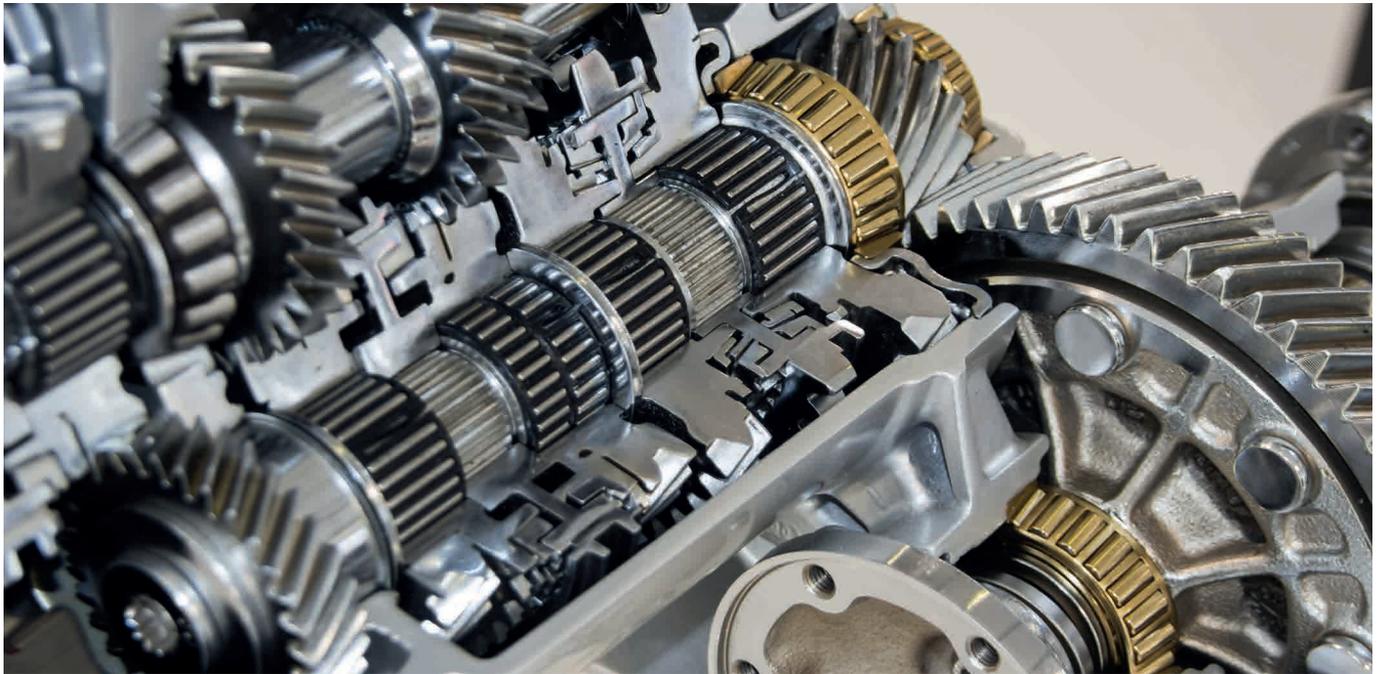
Product	Description	Specifications	Approvals	FUCHS Recommendations
TITAN CARGO SL SAE 5W-30	Ultra High Performance, extreme fuel-economy oil for a variety of commercial vehicle diesel engines, formulated with fully-synthetic base oils. Specially developed for extended service intervals. Optimum cold starting and lower oil consumption.	ACEA E7/E4 FORD WSS-M2C212-A1	DEUTZ DQC IV-10 MACK EO-N MAN M 3277 MB-APPROVAL 228.5 MTU DDC TYPE 3 RENAULT RXD/RLD-2 SCANIA LDF-3 VOITH-RETARDER „B“ VOLVO VDS-3	CUMMINS CES 20077 IVECO 18-1804 CLASSE TFE SCANIA LDF-2
TITAN CARGO LA SAE 5W-30	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 E9 /E7 /E6 API CI-4 JASO DH-2	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	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 E9/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 228.61 SAE 5W-30	Ultra High Performance, extreme fuel-economy engine oil. Specially developed for Mercedes-Benz commercial vehicles with modern exhaust after treatment systems. Suitable for Euro VI engines. Good cold starting and lower oil consumption.	API FA-4	MB-APPROVAL 228.61	CUMMINS CES 20087 DETROIT DIESEL 93K223
TITAN CARGO LD3 SAE 10W-40	Ultra High Performance, fuel-economy engine oil for use in Scania Euro 6 engines. 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 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, specially developed for commercial vehicle diesel engines with extended service intervals, exhaust after treatment and turbocharger.	ACEA E9 API CK-4 / CJ-4 / SN CAT ECF-3	CUMMINS CES 20086 DEUTZ DQC III-10 LA FORD M2C 171-F1 MACK EOS-4.5 MAN M 3775 MB-APPROVAL 228.31 MTU DDC TYPE 2.1 RENAULT RLD-3 VOLVO VDS-4.5	DETROIT DIESEL 93K222 MAN M 3575 RENAULT RLD-4

Engine Oils



Product	Description	Specifications	Approvals	FUCHS Recommendations
Engine oils for commercial vehicles				
TITAN CARGO SAE 10W-30	Ultra High-Performance, extreme fuel-economy 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 CK-4 / CJ-4 CAT ECF-3 JASO DH-2	CUMMINS CES 20086 DEUTZ DQC III-18 LA FORD M2C 171-F1 MACK EOS-4.5 MAN M 3775 MB-APPROVAL 228.31 MTU DDC TYPE 2.1 RENAULT RLD-3 VOLVO VDS-4.5	DETROIT DIESEL 93K222 MAN M 3575 RENAULT RLD-4
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 CK-4 / CJ-4 / SN CAT ECF-3 JASO DH-2	CUMMINS CES 20086 DETROIT DIESEL 93K222 DEUTZ DQC III-10 LA FORD M2C 171-F1 MACK EOS-4.5 MAN M 3775 MB-APPROVAL 228.31 MTU DDC TYPE 2.1 RENAULT RLD-3 VOLVO VDS-4.5	MAN M 3575 RENAULT RLD-4
TITAN TRUCK PLUS SAE 15W-40	Super High Performance 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 PLUS SAE 20W-50	Super High Performance 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	MB-APPROVAL 228.3	MAN M 3275-1
Engine oils for mixed fleets				
TITAN UNIMAX ULTRA MC SAE 10W-40	Premium Motor 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	CUMMINS CES 20077/8 DETROIT DIESEL 93K215 DEUTZ DQC III-10 MACK EO-M PLUS MAN M 3275-1 MB-APPROVAL 228.3 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 MB 229.1 VW 500 00/501 01/505 00
TITAN UNIMAX PLUS MC SAE 10W-40	MC-synthesis, high performance, fuel-economy oil for all commercial vehicles, off-highway equipment and passenger cars. Substantial rationalisation opportunities for mixed fleet.	ACEA E7/B3/A3 API CH-4	DEUTZ DQC II-10 MAN M 3275-1 MB-APPROVAL 228.3 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 MB 229.1
TITAN UNIVERSAL HD SAE 15W-40	High Performance oil for mixed fleets operated under normal conditions. Good performance in normally aspirated and turbocharged diesel engines.	ACEA A3/B3 API SL	DEUTZ DQC I-02 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

Gear Oils



Product	Description	Specifications	Approvals	FUCHS Recommendations
Gear oils for commercial vehicles				
TITAN CYTRAC TD SAE 75W-90	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 API MT-1 SAE J2360 SCANIA STO 1:0 SCANIA STO 2:0A FS	DETROIT DIESEL 93K219.01 MAN 341 TYPE Z2 / MAN 342 TYPE M3 / S1 MB-APPROVAL 235.8 VOLVO 97312 ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A	MAN 341 TYPE E3
TITAN CYTRAC SL SAE 75W-90	Premium Performance Gear Oil for highly stressed hypoid axles in commercial vehicles formulated with fully-synthetic base oils.	API GL-5 SCANIA STO 1:0	MAN 342 TYPEE S1	MB 235.8 VOLVO V 97312 ZF TE-ML 05B, 07, 08, 12B, 16F, 17B
TITAN CYTRAC PRO 235.31 SAE 75W-85	Premium Performance Gear Oil for highly stressed hypoid axles in Mercedes-Benz commercial vehicles formulated with selected base oils.	API GL-5	MB-APPROVAL 235.31	DETROIT DIESEL 93K219.03
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 3.325-340 / 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	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.	API GL-4	MB-APPROVAL 235.16	–
TITAN CYTRAC MB SYNTH SAE 75W-90	Premium Performance Gear Oil for extended drain intervals in commercial vehicles, specially developed for Mercedes-Benz Actros vehicles, formulated with fully synthetic base oils.	API GL-4	MAN 341 TYPE MB MB-APPROVAL 235.11	ZF TE-ML 08

Gear oils

Product	Description	Specifications	Approvals	FUCHS Recommendations
Gear oils for commercial vehicles				
TITAN CYTRAC ULTRA SYNTH SAE 75W-80	Premium Performance Gear Oil for extended drain intervals in commercial vehicles, specially developed for Mercedes-Benz Actros vehicles, formulated with fully synthetic base oils.	API GL-4 VOLVO 97307	MAN 341 TYPE Z5 ZF TE-ML 01E, 02E, 16P (ZF001457)	–
TITAN CYTRAC MAT SAE 75W-80	Premium performance Gear Oil for gear boxes in commercial vehicles, specially developed for manual and automatic ZF-gear boxes. Reduces fuel consumption by improving efficiency.	API GL-4	MAN 341 TYPE Z4 VOLVO 97307 ZF TE-ML 01L, 02L, 16K (ZF003373)	MAN 341 TYPE E3 / Z3 VOLVO 97305 ZF TE-ML 02D, 08
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 / Z3 VOLVO 97305 ZF TE-ML 02D, 08
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 / Z2 MAN 342 TYPE M3 MAN M 3343 TYPE E S SCANIA STO 1:0 ZF TE-ML 05B, 07, 21B
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 SCANIA STO 1:0	DETROIT DIESEL 93K219.02 MAN 341 TYPE GA1 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 ZF TE-ML 07A
Gear oils for mixed fleets				
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 / Z2 MAN 342 TYPE M2 MB-APPROVAL 235.0 ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A (ZF000722)	CASE MS 1316 FORD WSP-M2C197-A MAN M 3343 TYPE M 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	–	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 E2 M2 ZF TE-ML 05A, 12E, 17B, 19B, 21A (ZF000647)	MIL-L-2105 D VOLVO 97310 NH 520A STEYR B-101
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 SAE J306: 85W-90	ZF TE-ML 05C, 12C, 16E, 21C (ZF000651)	MIL-L-2105 D FORD M2C104-A 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.	API GL-4	MB-APPROVAL 235.1 ZF TE-ML 17A (ZF000654)	FORD M2C9008-A VW TL 726, ZF TE-ML 08
TITAN GEAR MP SAE 80W-90	Multipurpose gear oil for synchronised and non-synchronised manual gearboxes as well as auxiliary drives, axles and differentials in commercial vehicles & passenger cars.	API GL-4	–	–



Product	Description	Specifications	Approvals	FUCHS Recommendations
Gear oils for mixed fleets				
TITAN GEAR HYP SAE 90	High Performance Gear Oil for highly stressed differentials in commercial vehicles and passenger cars.	API GL-5 SAE J306: 85W-90	MB-APPROVAL 235.0 ZF TE-ML 16C, 17B, 19B, 21A (ZF000656)	FORD SR-M2C9102-A MAN 342 TYPE M1 OPEL 19 42 387 VOLVO 97310, VW TL 727 ZF TE-ML 07, 08
TITAN GEAR HYP SAE 85W-140	High Performance Gear Oil for highly stressed differentials in commercial vehicles and passenger cars.	API GL-5	-	ZF TE-ML 07, 08
Automatic transmission fluids				
TITAN ATF 5500	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 shift performance.	-	MAN 339 TYPE V1 MAN 339 TYPE V2 MAN 339 TYPE Z3 MAN 339 TYPE Z12 MB-APPROVAL 236.9 VOITH 150.014524.xx VOLVO 97341 ZF TE-ML 04D, 14C, 16M, 16S, 20C, 25C (ZF001797)	DEXRON III (H) ALLISON TES 295 ALLISON TES 389 MAN 339 TYPE Z4
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.	-	MAN 339 TYPEEE L1 MAN 339 TYPEEE V2 MAN 339 TYPEEE Z2 MB-APPROVAL 236.6 VOITH 55.6336.xx ZF TE-ML 04D, 14B, 16L, 17C (ZF000717)	DEXRON III (H) ALLISON TES 295 ALLISON TES 389 FORD MERCON V MAN 339 TYPEEE Z3 OPEL 19 40 707 VOLVO 97341 VW TL 521 62 (G 052 162) ZF TE-ML 02F, 11B, 14C
TITAN ATF 1	Ultra High Performance ATF especially developed for highly stressed step automatic transmissions in passenger cars as well as in commercial vehicles.	-	VOITH 150.014524.xx ZF TE-ML 04D, 11B, 14B, 16L, 17C (ZF000734)	BMW 83 22 9 407 807 CHRYSLER MS 9602 (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 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 / V1 / Z1 MB-APPROVAL 236.1 MB-APPROVAL 236.9 VOITH H55.6335.xx VOLVO 97341 ZF TE-ML 04D, 14A (ZF000728)	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 3000	Super High Performance DEXRON II (D) ATF for automatic transmissions in commercial vehicles, machinery and passenger cars according to manufacturer's documentation.	-	MAN 339 TYPE L1 MAN 339 TYPE V1 MAN 339 TYPE Z1 MAN 339 TYPEEE L2/V1/Z1 MB-APPROVAL 236.1 VOITH H55.6335.xx ZF TE-ML 04D, 14A (ZF000720)	DEXRON II (D) ALLISON C-4, CAT TO-2 FORD MERCON FORD M2C185-A FORD ESP-M2C138-CJ / 166-H FORD M2C9010-A OPEL 19 40 700 / 19 40 707 RENK-DOROMAT ZF TE-ML 02F, 03D, 09, 11A, 17C

FUCHS Oil Chooser

It's easy:

Visit www.fuchs.com/en
and click the Oil Chooser link.

There you can select your vehicle type e.g. truck, then the make and model to access an overview of the optimum lubricants for your vehicle. Just click a listed product for more product detail.

You can also search using your registration plate.



Direct link to:
FUCHS Oil Chooser



Quick overview of all
vehicle lubricant information

Model	Year
114	1997 - 2009
124	1999 - 2004
144	1999 - 2004
154	1999 - 2004
90, 113, 143 QIP/RT	1999 - 1999
94	

Easy searching with all
models listed

Capacity	Oil
Capacity: 7.8 ltr	Oil: +3000 10W/40
Capacity: 7.8 ltr	Oil: +3000 10W/40
Capacity: 7.8 ltr	Oil: +3000 10W/40

Our intuitive online system
provides clear results

Central hydraulic fluids / steering gear oils



Product	Description	Specifications	Approvals	FUCHS Recommendations
Central hydraulic oil / power steering fluid				
TITAN CHF 115 Formally PENTOSIN CHF 115	Premium Performance power steering and central Hydraulic Oil with a wide application and approval profile for various manufacturers.	FORD WSS-M2C204-A	CHRYSLER MS-11655B MAN M 3289 MB-APPROVAL 345.0 PSA S71 2710 ZF TE-ML 02K (ZF004744) 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
TITAN CHF 202 Formally PENTOSIN CHF 202	Premium Performance power steering and central Hydraulic Oil with a wide application and approval profile for various manufacturers.	FORD WSS-M2C204-A2	HYUNDAI 00232-19017 OPEL B 040 2012 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
TITAN CHF 5364 B Formally PENTOSIN CHF 5364 B	Premium Performance central Hydraulic Oil approved by Mercedes-Benz for level control systems in passenger cars formulated with fully-synthetic base oils.	–	MB-APPROVAL 344.0	–
TITAN PSF Formally PENTOSIN PSF	Super High Performance Power Steering Fluid approved by Mercedes-Benz for passenger cars and commercial vehicles.	–	MB-APPROVAL 236.3	–
TITAN LHM+ Formally PENTOSIN LHM+	Ultra High Performance Central Hydraulic Oil for use in the comfort and safety area of PSA vehicles.	–	PSA B71 2710	IVECO 18-1823 MAT 3630 MASSEY FERGUSON NH 610A SDFG OF1611S

Greases



Product	Description / Main application	Specifications	Approvals	FUCHS Recommendations
RENOLIT CX-HT 2 Also for use in the FUCHS system grease gun and available in NLGI grade 0. Also available in a spray.	For lubrication of highly loaded, low speed plain and roller bearings, open gears and gear wheels. used where special requirements of wear and corrosion protection under high temperatures are demanded, e.g. in Wheel bearings in tunnel furnace cars, rotary kilns and mills, construction machinery and steel mills. Operating temperature range from -20°C to +200°C.	–	–	–
RENOLIT DURAPLEX EP 2 Also for use in the FUCHS system grease gun and available in NLGI grades 1 and 3.	Recommended for all lubricating points particularly where high demands on service life, temperature capability and corrosion protection are required. suitable for permanent and long-term lubrication. Operating temperature range from -30°C to +160°C.	–	–	–
RENOLIT FLM 2 Also for use in the FUCHS system grease gun and available in NLGI grade 0.	For lubrication of all TYPEes of plain and roller bearings subject to heavy or shock loads or extended re-greasing intervals. For lubrication of agricultural and construction machinery, trucks, as well as in bearings used in the stone-, mining- and rubber industry, and in concrete plants. Operating temperature range from -30°C to +140°C.	KPF 2 N-30 ISO-L-X-CDEB 2	MAN 285 Li-PF 2	–
RENOLIT FLM 1002	For lubrication of bearings working under severe conditions like high heavy loads and/or low speeds	KPF 2 N-20 ISO-L-X-BDEB 2	–	–
RENOLIT HI-TEMP 220 Also available in base oil viscosities of 100mm ² /s and 460mm ² /s at 40°C.	A fully synthetic special lubricating grease. Used in a wide temperature range for lubrication of plain and roller bearings of, e.g. paper mills (wet sector), truck hub units, and cardan shafts. Operating temperature range from -40°C to +140°C.	–	–	–

RENOLIT

Product	Description / Main application	Specifications	Approvals	FUCHS Recommendations
RENOLIT LX-PEP 2 Also available in NLGI grades 1-2 and 3.	Multi-purpose EP grease. Improve load-carrying capacity providing reliable lubrication even under extreme conditions. For all grease lubricated plain and roller bearings (e.g. electrical motors), various types of gears as long-term or lifetime lubrication. Operating temperature range from -30°C to +150°C.	KP 2 N-30 ISO-L-X-CDEB 2	MAN 284 Li-H 2 MB-APPROVAL 265.1	–
RENOLIT LX EP 2	Multi-purpose grease for long-life at ambient and high temperatures. Suitable for the majority of industrial and automotive applications.	KP 2 P-30 ISO-L-XCEE 2	–	–
RENOLIT LX-OTP 2	For lubrication of knuckle pins of 9 ton axles and self aligning axles. Protects reliably against oxidation and corrosion, reduces wear even at oscillating movements, and withstands extreme pressures. Operating temperature range from -40°C to +160°C.	–	–	MAN
RENOLIT EP GREASES	High quality, multi-use EP greases. High specification, general purpose greases suitable for many industrial and automotive applications.	VARIOUS	–	–
RENOLIT LZR 000	Primarily used in centralized lubricating systems of trucks and commercial vehicles. Usable in low loaded industrial gears. Good thermal stability, good pressure capacity, it is water resistant, minimizes wear and has good adhesion to metallic surfaces. Operating temperature range from -40°C to +110°C.	GP 00-000 G-40 ISO-L-X-DBIB 00-000	MAN 283 Li-P 00/000 MB-APPROVAL 264.0	Central lubrication system manufacturers: BAIER + KÖPPEL DELIMON LINCOLN SKF LUBRICATION SOLUTIONS WOERNER
RENOLIT LZR 2 H	Multi-purpose grease for long-term lubrication for roller bearings, friction bearings, and grease lubrication points being rarely serviced or re-lubricated, exposed to unfavourable operating conditions, and which require grease ensuring good additional sealing. Operating temperature range from -30°C to +140°C.	KP 2 N-30 ISO-L-X-CDIB 2	–	BAIER & KÖPPEL
RENOLIT MO 2	Molybdenum disulphide grease for high load applications. Equally suited to the lubrication of suspension joints; steering joints; fifth wheel applications and general chassis use in the automotive sector.	ESA M1C 47A KPF 2 K-20 ISO-L-XBDEB 2	–	–
RENOLIT MP PLUS Only for use in the FUCHS system grease gun.	The perfect universal lubricating grease for all applications in cars, trucks and machinery. Can also be used as battery terminal grease. Operating temperature range from -30°C to +120°C.	KP 2 K-30 ISO-L-X-CCEB 2	–	–

Specialities



Product	Description	Specifications	Approvals	FUCHS Recommendations
Antifreeze				
MAINTAIN FRICOFIN LL Also available as a ready to use pre-mix.	Premium Performance coolant concentrate based on monoethylene glycol for heavy duty application as well as passenger cars and stationary combustion engines. Prevents high loaded engines from passenger cars and commercial vehicles from frost, overheating, corrosion and cavitation. Must be diluted with water before application. Colour: orange.	ASTM D 3306 TYPE I ASTM D 6210 TYPE I-FF 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 MTU 5048	AFNOR NFR 15-601 TYPE I AS/NZS 2108:2004 TYPE A 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, MY 2005, VOLVO PENTA MY 05/2010)

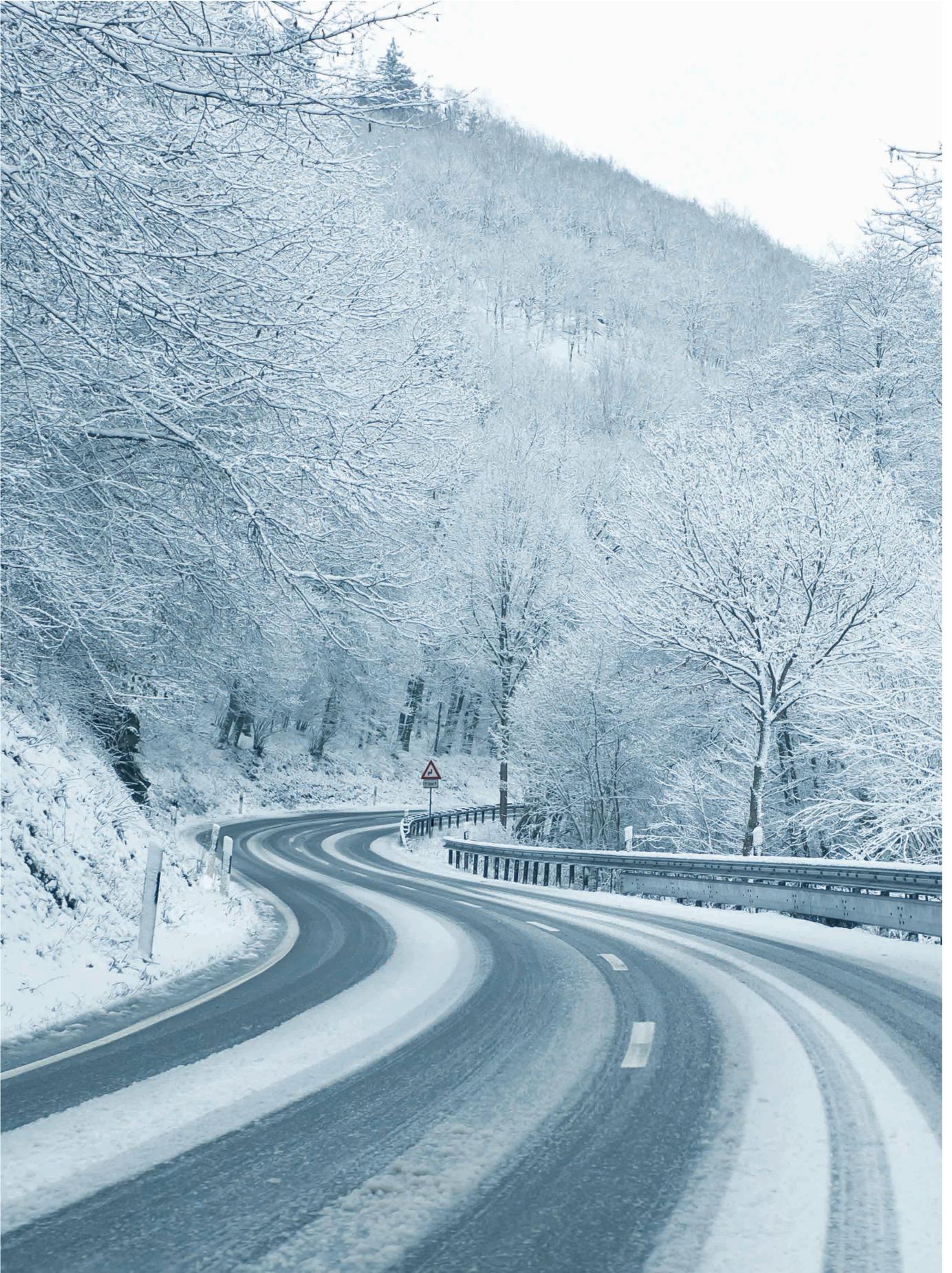
MAINTAIN

Product	Description	Specifications	Approvals	FUCHS Recommendations
Antifreeze				
MAINTAIN FRICOFIN DP	Ultra High Performance coolant concentrate based on monoethylene glycol. Must be diluted with water before application. Colour: pink-violet.	AFNOR NF R 15-601 TYPE 1 AS/NZS 2108:2004 TYPE A 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 HDD	Ultra High Performance Engine Coolant concentrate based on monoethylene glycol. Must be diluted with water before application. Colour: yellow.	ASTM D 3306 TYPE I ASTM D 4985 ASTM D 6210 TYPE I-FF ASTM D 7583 AS/NZS 2108:2004 TYPE A BS 6580:2010 SAE J814 CHRYSLER MS 7170 CHRYSLER MS 9769 DETROIT DIESEL 7SE298 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 concentrate based on monoethylene glycol. Must be diluted with water before application. Colour: blue green.	AFNOR NF R 15-601 TYPE 1 AS/NZS 2108:2004 TYPE A 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)

Specialities

MAINTAIN

Product	Description	Specifications	Approvals	FUCHS Recommendations
Brake fluids				
UNIVERSAL BRAKE & CLUTCH FLUID	High Performance brake & clutch fluid for hydraulic brake & clutch systems in cars, vans, commercial vehicles and some agricultural & off-highway equipment.	FMVSS 116 DOT 3 and DOT 4 ISO 4925 (Classes 3 & 4) SAE J 1703 SAE J 1704	–	JIS K 2233 TYPES 3 & 4
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 3 / 4 / 5.1 ISO 4925 CLASS 3/4/5.1 JIS K2233 CLASS 3/4/5 SAE J 1703/J 1704	–	MB 331.0 VW TL 766-Y
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 4 SAE J1703/J1704	–	–
Fuel additives				
MAINTAIN DIESEL EFFECT	Super High Performance fuel additive improving diesel fuel properties for singular as well as constant treatment.	–	–	–
MAINTAIN WINTERFIT	Super High Performance diesel fuel and heating oil additive to prevent waxing and plugging at low temperatures.	–	–	–



Good reasons for choosing Lubricants from FUCHS



1. GUARANTEED OEM QUALITY

- FUCHS is a leading lubricant partner to major vehicle manufacturers.
- As a development partner of vehicle manufacturers, we always have a range with the latest approvals and specifications.
- We know tomorrow's developments, today. - benefit from our know-how!



2. INNOVATION

- **2010:** Introduction of the TITAN CARGO PRO GAS series for the longest replacement intervals for gas engines in the commercial vehicle sector.
- **2011:** Exclusive XTL® engine oil technology for commercial vehicles.
- **2014:** Product qualification for the latest MAN specifications MAN M 3677 and M 3377 required for Euro VI vehicles.
- **2016:** Expansion of the performance profiles of our TITAN CARGO MAXX series with XTL® technology.
- **2017:** Upgrade of the TITAN CARGO PRO GAS series for the longest replacement intervals for gas engines in commercial vehicles with exclusive approval MAN M 3271-3.
- **2019:** TITAN CYTRAC FE SYNTH SAE 75W-85; The first commercial vehicle manual transmission oils released, MB 235.16.



3. GERMAN TECHNOLOGY

- As a family business we offer continuity for more than 85 years.
- Our corporate strategy is long-term and not interested in short-term success.
- The focus on our core competence makes us the world's largest independent lubricant manufacturer.
- We invest for the future of our and your industry.



4. UK SERVICE

- There is always a permanent contact via your personal sales representative.
- In addition, FUCHS takes care of the disposal of the used oil.
- We co-operate with numerous suppliers so we can offer you suitable service equipment.



FUCHS LUBRICANTS has received various awards from German automobile manufacturers for its innovations, development competence, product quality and its effective project management.

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Note

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We therefore recommend that you consult a FUCHS application engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without warning, unless otherwise provided in customer-specific agreements. With the publication of this product information, all previous editions cease to be valid.

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

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