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HIGH QUALITY OILS MADE IN GERMANY

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YEARS  
SWD



AUTOMOTIVE BRANDED PRODUCTS  
MADE IN GERMANY



## WE PRODUCE BRANDED LUBRICANTS



Swd is a medium- sized independent company, emerged from the former FINA Schmierstoffwerk Duisburg. Swd develops, produces and distributes high quality lubricants and specialities since more than 50 years under the trademark brand name Swd- Rheinol .

Our products meet the national and international standards and are doing development, production, filling and distribution carefully monitored by our own quality- laboratory.

Swd is accredited according to DIN EN ISO 9001, ISO/TS 16949:2009 and OHSAS 18001:2007.

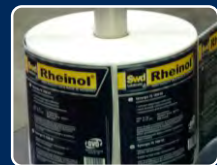
**The corporate located in Duisburg offers ideal logistical requirements for fast supply.**

- own ship jetty
- own railway connection
- directly located to one of the major Highway hubs in Europe



**Quality, reliability, flexibility and service from a single source,  
is appreciated by our customers for many years.**





- 93 tanks of 6 m<sup>3</sup> to 1.500 m<sup>3</sup> with a total capacity of 9.000 m<sup>3</sup>
- 14 blender of 1 to 40 m<sup>3</sup>
- 12 mixing tanks of 150 to 250 m<sup>3</sup>
- 12 automatic and semi- automatic filling lines, for the filling of 0,25 L bottles up to 1.000 L containers
- 2 x 50- tons weighbridges for the loading of tank trucks

Swd has a production capacity of 80.000 tons of lubricants per year, this makes Swd one of the largest independent producer of lubricants in Germany.



Gebinde-Verwertung  
Lizenz Nr. 186

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## Multigrade Engine Oils for Passenger Cars and Light Commercial Vehicles

	PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
			API	ACEA	
<b>NEW</b>	Primus LLV	SAE 0W-20		A1 / B1	Fully synthetic high-performance oil for vehicles of the VW Group. Meets i.a. the requirements of VW 508 00 / 509 00, VW TL 52577.
<b>NEW</b>	Primus VO	SAE 0W-20	SN/CF	A1 / B1	High performance low friction engine oil for Volvo engines. Meets i.a. the requirement of Volvo VCC RBS0-2AE.
	Primus GF5	SAE 0W-20	SN		Fully synthetic fuel efficient engine oil. Meets i.a. the requirements of ILSAC GF-5, dexos 1, Ford WSS-M2C925-A/B, Chrysler MS-6395, Honda, Toyota, Nissan, Lexus, Subaru.
	Primus LDI	SAE 0W-30	SN	C3	Fuel-efficient low friction oil, especially for use in passenger car gasoline and diesel engines. Meets i.a. the requirements of VW 504 00 / 507 00, BMW-Longlife 04, MB 229.51 / MB 229.31, Porsche C30.
<b>NEW</b>	Primus LLB	SAE 0W-30		C2	High performance low friction engine oil for BMW vehicles. Meets i.a. the requirement of BMW Longlife 12-FE.
	Primus VS	SAE 0W-40	SN/CF	A3 / B4	Fully synthetic high-performance oil for gasoline and diesel engines. Meets i. a. the requirements of VW 502 00 / 505 00, Renault RN 0700/0710 and Porsche A40, Ford WSS-M2C937-A. <b>Approval according BMW Longlife-01 and MB-approval 229.5.</b>
	Primus ECO	SAE 5W-20	SN/CF ILSAC GF-5	A1 / B1	High performance low friction engine oil for FORD EcoBoost engines. Meets i.a. the requirement of Ford WSS-M2C948-A/B.
	Primus GF5	SAE 5W-20	SN		Fully synthetic fuel efficient engine oil. Meets i.a. the requirements of ILSAC GF-5, dexos 1, Ford WSS-M2C925-A/B, Chrysler MS-6395.
	Primus LLX	SAE 5W-30		C3	High performance low friction oil, which extends lifetime of exhaust-treatment-devices (Diesel Particulate Filter; Catalytic Converter) of gasoline- and diesel-engines. Meets i.a. the requirements of Porsche C30. <b>Approval according MB 229.51, VW 504 00/507 00 and BMW Longlife-04.</b>
	Primus DX	SAE 5W-30	SN/CF	A3 / B4 / C3	High performance low friction oil for gasoline- and diesel-engines in passenger cars. Meets i.a. the requirements of VW 502 00 / 505 00 / 505 01 (unit-injector), GM dexos 2. <b>Approval according BMW Longlife-04, MB-approval 229.52, MB-approval 229.51 (covers MB 229.31).</b>
	Primus DPF	SAE 5W-30		A3 / B4 / C3	HC-synthesis oil for passenger cars of the VW-group, for FSI-engines and for diesel-engines with particulate filters and without. Meets i.a. the requirements of VW 504 00 / 507 00, MB 229.51, BMW Longlife-04.
	Primus ASM	SAE 5W-30	SN/CF	A1 / A5 B1 / B5 / C2	High-alloyed all-season oil for all those passenger car engines, which require fuel economy (FE) oils. Meets i.a. the requirements of Renault RN 0700, Peugeot PSA B71 2290, Toyota, Mitsubishi, Subaru, Honda, Mazda, Hyundai, KIA.
	Primus SLX	SAE 5W-30		C4	High-performance engine oil for passenger car engines with exhaust gas aftertreatment systems. Meets i.a. the requirement of Renault RN0720 with DPF (Except 2.2 dCi).
	Primus SLV	SAE 5W-30		A5 / B5 / C1	High performance low friction oil for the latest models of passenger car- and van- motors, which are operating with diesel fuel or gasoline. Meets i.a. the requirements of Mitsubishi DPF, Mazda DPF and JASO DL-1.
	Primus CVS	SAE 5W-30	SL/CF	A3 / B4	High performance low friction oil, especially for modern enhanced injection- and turboengines. Meets i.a. the requirements of VW 502 00 / 505 00, Opel LL-B-025 and Renault RN 0700 / RN 0710. <b>Approval according BMW Longlife-01, MB-approval 229.5.</b>



## Multigrade Engine Oils for Passenger Cars and Light Commercial Vehicles

PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
		API	ACEA	
Primus DXM	SAE 5W-40	SN/CF	A3 / B4 / C3	High performance low friction oil of the new "Low SAP" - generation for passenger car engines with exhaust aftertreatment devices (catalytic converter, diesel particulate filter) and without. Meets i.a. the requirements of Renault RN 0700 / RN 0710 and Ford WSS-M2C 917-A. <b>Approval according VW 502 00 / 505 00 / 505 01 (unit-injector), BMW Longlife-04, Porsche A 40 and MB-approval 229.51 (covers MB 229.31).</b>
Primus CVS	SAE 5W-40	SN/CF	A3 / B4	High performance low friction oil for gasoline and diesel engines. Meets i.a. the requirements of BMW Longlife-01, MB 229.5, MB 226.5, Porsche A 40, VW 502 00 / 505 00, , Renault RN0700 and RN0710, PSA B71 2296, Opel GM-LL-B-025. <b>Approval according MB-approval 229.5.</b>
Primus HDC	SAE 5W-40	SN/CF	A3 / B4	Newest generation high-performance low friction oil for passenger cars and light commercial vehicles. Meets i.a. the requirements of Porsche A 40, Fiat 9.55535-M2, Renault RN 0700 / 0710, Opel GM-LL-B-025, PSA B71 2296, BMW Longlife 98. <b>Approval according VW 502 00 / 505 00 and MB-approval 229.3.</b>
Primus TS	SAE 10W-40	SL/CF	A3 / B4	High-performance low friction oil for gasoline and diesel engines. Meets i.a. the requirement of Fiat 9.55535-G2/D2. <b>Approval according VW 502 00 / 505 00 and MB-approval 229.3.</b>
Primol Power Synth.	SAE 10W-40	SL/CF	A3 / B4	Semi-synthetic low friction oil for gasoline and diesel engines. Excellent suitable in modern passenger car engines, turbo- or non-turbo charged. Meets i.a. the requirements of VW 505 00, Renault RN 700, PSA B71 2296. <b>Approval according MB-approval 229.1.</b>
Primol Power Synth CS	SAE 5W-30 SAE 10W-40	SN/CF	A3 / B4	High performance low friction oil for all gasoline and diesel engines with- and without turbo chargers as well as in light commercial vehicles. <b>SAE 10W-40</b> meets i.a. the requirements of Renault RN 0700, MB 229.3 (covers MB 229.1), VW 502 00 / 505 00, PSA B71 2296.
Primus Guardian	SAE 10W-40	SN/CF	A3 / B4	High-performance low friction oil for gasoline and diesel engines. Especially formulated for prolong engine life under harsh conditions.
Promotol FF	SAE 15W-40	CF-4		Multigrade engine oil for gasoline and diesel engines of conventional designs with turbo chargers. Qualified for all-seasons use.
Promotol FD	SAE 15W-40 SAE 20W-50	SF/CD		Multigrade engine oils for prior gasoline and diesel engines with turbo chargers and without. Qualified for all-seasons use in temperate zones (SAE 15W40) and in warm zones (SAE 20W50).

## Monograde Engine Oils

PRODUCT DESIGNATION		PERFORMANCE LEVEL	PRODUCT DESCRIPTION
		API	
Promotol FF	SAE 10W SAE 20W-20 SAE 30 SAE 40 SAE 50	SF/CF CF-4	Monograde engine oils are produced from mineral base oils and selected additives, which - because of very good detergency and dispersancy - provide excellent motor cleanliness. The corrosion- and wear protection correspond to the high performance level of this product.
Promotol FD	SAE 10W SAE 20W-20 SAE 30 SAE 40 SAE 50	SF/CD	HD oils for gasoline and diesel engines which make normal demands on the engine oil and for those where no higher alloyed engine oils are needed or specified. Depending on the manufacturer's specification Promotol FD monograde oils can also be used as air compressor oils according DIN 51 506 VC-L.

## Multigrade Racing Oils

PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
		API	ACEA	
Synergie Racing	SAE 5W-50	SN/CF	A3 / B4	Fully synthetic high performance low friction oil for racy high-tech gasoline and diesel engines of passenger cars.
Synergie Racing	SAE 10W-60	SN/CF	A3 / B4	Fully synthetic high performance low friction oil for racy high-tech gasoline and diesel engines of passenger cars.

## Four Stroke Oils for Motorcycles

PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
		API	ACEA	
Fouke 4T	SAE 10W-40	SN	A3	High performance special oil for motorcycles with air- or water-cooled 4-stroke engines of highest output. Meets i.a. the requirement of JASO MA2.
Fouke 4T	SAE 10W-50	SN	A3	High performance special oil for motorcycles with air- or water-cooled 4-stroke engines of highest output. Meets i.a. the requirement of JASO MA2.
Fouke 4T	SAE 10W-60	SN	A3	High performance special oil for motorcycles with air- or water-cooled 4-stroke engines of highest output. Meets i.a. the requirement of JASO MA2.
Fouke 4T	SAE 15W-50	SN	A3	High performance special oil for motorcycles with air- or water-cooled 4-stroke engines of highest output. Meets i.a. the requirement of JASO MA2.
Fouke 4T	SAE 20W-50	SN	A3	High performance special oil for motorcycles with air- or water-cooled 4-stroke engines of highest output. Meets i.a. the requirement of JASO MA2.

## Two Stroke Engine Oils

PRODUCT DESIGNATION		PERFORMANCE LEVEL	PRODUCT DESCRIPTION
		API	
Twoke Synmix Ultra		TC (JASO FD) (ISO-L-EGD)	Fully synthetic high-performance 2-stroke oil for water- or air-cooled racing and road-engines with separate or petroil lubrication. Developed especially for high speed engines.
Twoke Premix TC		TC (JASO FD) (ISO-L-EGD)	Semi-synthetic 2-stroke engine oil for universal use in petroil and separate lubricated units, especially in high-performance engines of motor vehicles, mopeds, chain saw drives, snowmobiles etc.
Twoke Outboard PM		NMMA TC-W3	Semi-synthetic, self-mixing two-stroke engine oil, which is intended for use in fresh water-cooled outboard motors.
Twoke 30 2T-Öl		TC (JASO FC) (ISO-L-EGC)	Two-stroke engine oil for use Mixed and separately lubricated two-stroke engines, especially in two-stroke petrol engines of mopeds, petrol lawnmowers, concrete mixers and many more, if an oil of the API classification TC is permitted.



## Automatic Transmission Fluids

PRODUCT DESIGNATION	PERFORMANCE LEVEL	PRODUCT DESCRIPTION
ATF TASA	Type A Suffix A	Automatic transmission fluid for use in automatic transmissions and torque converters. Meets i.a. the requirements of MB 236.2, MAN 339 type A and Renk (Doromat).
ATF DX II D	GM Dexron II D	Advanced transmission fluid for universal use in automatic transmissions, steering boosters and hydraulic units. Meets i.a. the requirements of MB 236.7, Voith, Allison C-3/C-4, MAN 339 Type D, ZF TE-ML 03D, 04D, 09A, 11A, 14A, Ford SQM-9010B; Ford M2C-138CJ, 166H, 185A and Caterpillar TO-2.
ATF DX III H	Dexron III H Dexron III G	Automatic transmission fluid for automatic transmissions, steering boosters, fluid couplings, hydrodynamic converters and for hydraulics in motor cars, trucks, busses and construction vehicles, if an ATF of the Dexron III H type is prescribed. Meets i.a. the requirements of MB 236.1, MB 236.5, MB 236.6, MB 236.7, Voith 55.6335, 55.6336, Allison C-4, Allison TES 983, MAN 339 Type Z1 & V1 & Z2 & V2, Ford Mercon, Ford M2C138-CJ, M2C 166-H, Volvo 97340/97341, ZF TE-ML 02F, 04D, 09, 11A, 14A, 17C.
ATF JaKo	GM Dexron III H	Automatic Transmission Fluid for asian vehicles. To be used in automatic transmissions, steering boosters, fluid couplings, hydrodynamic converters and for hydraulics in motor cars, trucks, busses and construction vehicles. Meets i.a. the requirements of Aisin Warner JWS 3309, Honda/Acura Z-1, Hyundai/Kia ATF Red-1K, Hyundai/Kia Genuine ATF, Hyundai/Kia JWS-3309 T4, Hyundai/Kia SP-II/III, Hyundai/Kia P/N U M040 CH-020 Red-1, Idemitsu ATF HP, Idemitsu K17, Isuzu P/N 08200-9001, Isuzu ATF II/III, Isuzu Genuine ATF, Jaso M315, Class 1A, 1A-02, Mazda F-1, JWS 3317, Mazda M-5, P/N XT-9-QMM5, Mazda M-III, Type T-IV, Mitsubishi ATF-J2, Mitsubishi SP, P/N MS991156, Mitsubishi SP-II/III, Nissan/Infinity 402, Nissan/Infinity Matic-D/J/K/W, SSANG YONG DSIH 5M-66, Subaru HP, Subaru P/N K0140Y0700, Suzuki 3314/3317, Toyota/Lexus/Scion Type D-II/T-T-III/T-IV.
ATF MBX 15		High-performance ATF for use in the latest 7-speed automatic gearbox by Mercedes-Benz. Meets i.a. the requirements of MB 236.15.
ATF 8 HP		HC synthesis High-performance automatic transmission oil of the latest generation. Especially for modern ZF 6-/8- and 9-gears automatic transmissions. Meets i.a. the requirements of BMW L12108 (83 22 2 152 426), BMW 83 22 2 305 397, BMW 83 22 2 289 720, Chrysler 68157995AA, Jaguar 02JDE 26444, Land Rover LR 023288/232289, VW / Audi G 060 162 A1/A2/A6, G 055 162 (A2, A6), ZF Lifeguardfluid 8 (S671 090 312).
ATF Spezial CVT		High-performance automatic transmission oil, which was developed for the latest generation of CVT gearboxes. Meets i.a. the requirements of BMW 8322 0 429 154, BMW 8322 0 429 159, Chrysler Jeep NS-II, Daihatsu Ammix CVT, Daihatsu TC, Ford CVT 23, Ford WSS-M2C928-A, GM/Saturn DEX-CVT, Honda ATF-Z1, Honda HCF2, Honda HMMF, Hyundai/Kia SP-III, JASO M358, MB 236.20, MB A 001 989 46 03, Mini Cooper EZL799, Mitsubishi NS-II/SP-III/CVT J-1, Mopar CVTF+4, Nissan NS-I, NS-II, NS-III, Subaru ECVT, iCVT, Suzuki CVTF TC, CVT Green 1, NS-II, Toyota CVTF TC, CVTFE, VW G 052 180.
ATF DSG		High-performance automatic transmission oil for the latest generation of DSG gearboxes, recommended for Audi- and VW Double-clutch transmission. Meets i.a. the requirements of <b>Audi/Volkswagen/Seat/Skoda</b> - G 052 178, G 052 182, TL 52 182, G 052 512, G 052 513, G 052 529, G 052 726, G 052 798, G 052 171, G 055 532, <b>BMW</b> - DCTF-1 (83 220 440 2149, MFT-LT-5 (83 22 2167 666), 83 22 0397 244, <b>Citroen/Peugeot</b> - 6DCT451 (Peugeot/Citroen 9734 S2), <b>Nissan</b> Genuine Transmission Oil R35 Special, <b>Ferrari</b> - TF DCT-F3, <b>Fiat</b> - 9.55550-MZ-6, Tutela Transmission Gearforce, <b>Ford</b> -WSS-M2C-936-A, WSS-M2C-200-D2, <b>Mercedes Benz</b> - MB 236.25, MB 236.21, <b>Mitsubishi</b> - Diamond Queen SSTF-1, <b>Porsche</b> - 043 207 29, 043 207 30, 000 043 20, 999 917 546 00, TF 0870, <b>Renault</b> - BOT 450, <b>Volvo</b> - BOT 341, #1161838.
ATF Plus 4	GM Dexron III	Synthetic high performance ATF for life-time use in modern motorcar transmissions. Exceeds any Dexron III-requirements and it is also miscible with Dexron IID- and Dexron III-ATFs. Meets i.a. the requirements of MB 236.11, BMW 83 22 9 407 807 (LT 71141), Porsche P/N 000 043 205 28.
ATF DX VI-LV <b>RED</b>	DEXRON VI	Automatic transmission fluid for use in European, American and many Asian passenger car models. Meets i.a. the requirements of Aisin Warner AW-1, Aisin Warner JWS 3324, Bentley P/N PY112995PA, BMW/Mini P/N 83 22 0 142 516, BMW/Mini P/N 83 22 0 397 114, BMW/Mini P/N 83 22 2 163 514 (BMW 8072 B), Chrysler/Dodge/Jeep P/N 05127382AA, Chrysler/Dodge/Jeep P/N 68043742AA, Daimler/Mercedes MB 236.12/236.14/236.41, FORD/Lincoln/Mercury P/N XT-10-QLV [LV], FORD/Lincoln/Mercury P/N XT-6-QSP or -DSP [SP], GM/GMC/Opel/Saturn AW1, GM/GMC/Opel/Saturn P/N 88863400, 88863401, Hyundai/Kia SP-IV/SPH-IV, Jaguar Fluid 8432, JASO M315, Class 1A, Land Rover P/N TYK500050/LR0022460, Maserati P/N 231603, Mazda FW 6A EL/FW 6AX EL, Mazda FZ, Mercon LV, Mitsubishi ATF-J3, Mitsubishi SP-IV, Nissan/Infinity Matic-S, Porsche P/N 000 043 304 00, Saab P/N 93 165 147 - AW-1, Shell 3353, Shell 134, Shell 1375.4, Toyota/Lexus/Scion WS, VV/Audi G 052 533, G 055 005 (-A, A2), VV/Audi G 055 540 (A2)
ATF MB III	GM Dexron III	Life-Time ATF for Mercedes Automatic Transmissions. It is made from synthetic base oils and such from the synthesis technology plus an outstanding performance package. Meets i.a. the requirements of MB 236.12, MB 236.14, Audi G 052 162 (A1, A2), Porsche P/N 999 917 547 00 PSA Peugeot/Citroen P/N Z 000169756, Jaguar JLM 20238.

## Automatic Transmission Fluids

PRODUCT DESIGNATION	PERFORMANCE LEVEL	PRODUCT DESCRIPTION
ATF MULTI-HV <b>RED</b>	DEXRON II / II-D / II-E / III-G / III-H	Automatic transmission fluid for use in European and American passenger car models. Meets i.a. the requirements of Allison C-4, TES-295, TES-389, BMW/Mini P/N 81 22 9 400 272/275, BMW/Mini P/N 81 22 9 407 858/859, BMW/Mini P/N 83 22 0 024 249/359, BMW/Mini P/N 83 22 0 026 922 (BMW 7045 E), BMW/Mini P/N 83 22 0 402 413, BMW/Mini P/N 83 22 0 403 248/249, BMW/Mini P/N 83 22 7 542 290, BMW/Mini P/N 83 22 9 407 765 (BMW LA 2634), Chrysler/Dodge/Jeep ATF+2/ATF+3/ATF+4, Chrysler/Dodge/Jeep AS68RC ATF, Chrysler/Dodge/Jeep SP-III, Daimler/Mercedes MB 236.3/236.5/236.6/236.7/236.8/2 36.9/236.10/236.91, FORD WSS-M2C919-E (Mercon V), FORD/Lincoln/Mercury P/N XT-2-QDX [M], FORD/Lincoln/Mercury P/N XT-2-QSM [Syn], FORD/Lincoln/Mercury P/N XT-5-QM or -DM [V], FORD/Lincoln/Mercury P/N XT-8-QAW [Premium], FORD/Lincoln/Mercury P/N XT-9-QMM5 [FNR5], FORD/Lincoln/Mercury WSS-M2C922-A1, GM/GMC/Opel/Saturn P/N 19 40 700/767, VW/Audi G 052 025 A2, G 052 055, VW/Audi G 052 162 (A1, A2), VW/Audi G 052 990 (A2), G 055 025 (A2), VW/Audi US 000 162, GM/GMC/Opel/Saturn P/N 21005966 (transaxle), GM/GMC/Opel/Saturn P/N 22717466, GM/GMC/Opel/Saturn P/N 88900925/9986195, GM/GMC/Opel/Saturn T-IV, Type A Suffix A, Jaguar JLM 20238/20292/21044/K17, Jaguar WSS-M2C922-A1, Aisin Warner JWS 3309, Land Rover Texaco ETL-7045E, MAN 339 A, Mercon V, Mobil ATF 3309, Porsche P/N 000 043 204 41, Porsche P/N 000 043 205 09, Porsche P/N 999 917 547 00 (A2), PSA Peugeot Citroen P/N Z 000169756, Renault Matic D2, Renk Genuine Oil, Saab 3309 - T-IV, Shell 3403-M115/LA 2634, Texaco ETL 7045E/8072B/N402, Voith H55.6335.XX, Voith Svc Bltn # 013/118, Volvo P/N 1161521, Volvo P/N 1161540/1161640, Volvo P/N 1273.41, ZF TE-ML 11A/ 11B.

## Automotive Gear Oils

PRODUCT DESIGNATION	PERFORMANCE LEVEL API	PRODUCT DESCRIPTION
Synkrol 4 TS SAE 75W-90	GL-4	Semi-synthetic low friction EP gear oil for synchronmesh and non-synchronmesh manual gears as well as for certain steering gears and axle drives. Meets i.a. the requirements of MB 235.1, ZF TE-ML 06L, 08, 16A, 17A, 19A, 19C, MAN 341 E-1.
Synkrol 4 SAE 80W SAE 80W-90 SAE 85W-90	GL-4	Multipurpose EP gear oil for synchronmesh and non-synchronmesh manual gears as well as for certain steering gears and axle drives. Meets i.a. the requirements of MB 235.1, MAN 341 Z-1 and ZF TE-ML 02B, 16A, 17A, 19C.
Synkrol 4 MX SAE 75W-80	GL-4	HC-Synthetic gear oil, especially recommended for BMW, VW and Mercedes-Benz. Meets i.a. the requirements of BMW MTF LT-1/-2/-3/-4, MB 235.10, VW G052 512, G052 178, G052 527, VW G052 532, G052 171, G052 726, VW G055 726, G052 725, G060 726, VW G009 317, Volvo 97308/97309, Toyota JWS 227, FORD WSS-M2C200-D2, Special Honda MTF/MTF-II, PSA B 71 2330/9730 A2/A8.
Synkrol 4 SMT SAE 75W-80	GL-4	Semi-synthetic gear oil for synchronmesh and non-synchronmesh manual gears. Meets the requirements of ZF TE-ML 02D, 08, IVECO, DAF, Volvo 97305, MAN 341 Typ E-3 / Type Z-3, MACK GO-J, Eaton Extended Drain (300,000 km), RENAULT (IN ACCORDANCE WITH RENAULT NOTE TECHNIQUE B0032/2 ANNEX 3).
Synkrol 5 SAE 80W-90 SAE 85W-90 SAE 85W-140	GL-5	Hypoid gear oil for heavily stressed rear axle drives, distributor-, intermediate- and secondary gears in motor vehicles and machine tools. Meets i.a. the requirements of MB 235.0 & MB 235.6, ZF TE-ML 05A, 07A, 08, 12E, 16B-D, 17B, 19B, 21A, MIL-L-2105 D, MAN 342 M-2 (oil change interval 160.000 km).
Synkrol 4.5 Synth. SAE 75W-90	GL-4 and GL -5	Fully synthetic universal gear oil of the highest performance class with excellent fuel economy properties and extreme load-carrying capacity. Meets the requirements of MIL-PRF 2105 D & E, MAN 3343, MB 235.6 and ZF TE-ML 02B, 05A, 07A, 08, 16B, 17A+B.
Synkrol 5 LS SAE 85W-90	GL-5	Special gear oil for axle drives with limited-slip differentials. Meets i.a. the requirements of MIL-L-2105 D, ZF TE-ML 05C, 12C, 16E, 21C, MAN 342 M1, MB 235.0, Volvo 97310/97311.
Synkrol 4.5 ML SAE 80W-90	GL-4 and GL-5	Multigrade universal gearbox oil for synchronized and non synchronized manual gears, steering gears and transfer gears as well as for normal and hypoid toothed axle drives, including rear axles with outer planetary gears. Meets i.a. the requirements of MB 235.0/235.6, MAN 3343 Type M, Scania STO 1:0, Volvo 1273.10, MIL-L-2105D, ZF TE-ML 01, 05A, 07A, 08, 12A, 16B/C/D, 17B.



## Universal Oils for Agricultural and Construction Machinery

PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
		API	ACEA	
Unitractol STOU	SAE 10W-30	CF/CG-4/SF GL-4	E3	Universal oil for supplying any machinery and units in the agricultural sector. Meets i.a. the requirements of MB 227.1 / MB 228.1, Ford M2C 159B & C, Allison C-4, HVLP-D 68 gem. DIN 51 524 Teil 3, John Deere JDM 27, Massey Ferguson M 1139 / 1144 / 1145, Caterpillar TO-2, Case NH MAT 3525 / 3526, ZF TE-ML-06A / -06B / -06C / -07B.
Supertractol STOU HC	SAE 10W-40	CG-4/ GL-4	E3	All-seasons multigrade oil to be used in all types of agricultural machineries. Meets i.a. the requirements of Allison C-4, Fendt Vario, John Deere JDM / J20C / J27, Massey Ferguson M1135 bis 1145, Landini/Lindner/Mc-Cormick, ZF TE-ML-06B (inc.06R), -06C, -07B, Steyr Serie 900/9000/CVT, Harvester B6, HVLP-D gem. DIN 51 524 Teil 3 (für 10W40), Case M5/1118/1207/1209/MAT3525/CS/CVX, Claas Renault Agriculture, Valmet (inkl.stufenlos), New Holland NH 410B/420A/526 C, Ford M2C159B/C, M2C86B/C, M2C134D, Same-Deutz-Lamborghini-Hirlimann T3245/3340/3345/3445/3450/3550.
Unitractol TOU	SAE 80W-85W	GL-4		For supplying transmissions, hydraulics and wet brakes in tractors, forestry and construction machinery of any types. Meets i.a. the requirements of ZF TE-ML-03E/-06, Ford M2C 134D, M2C 86A-C, John Deere J-20C u. D, Case MS-1204, -1205, -1206, -1207, -1209, -1210, Allison C-4 & C-3, Caterpillar TO-2, Deutz Hydr Trans Fluid, Massey Ferguson M 1143, 1145.
Hytractol UTTO		GL-4		Hydraulic transmission fluid for tractors, forestry-, construction- and agrarian machineries to supply universally gears, hydraulics, clutches and wet brakes. Meets the requirement HVLP-D standard DIN 51 524, part 3, Allison C4, AXO 80 (KE507.866), CASE MS 1204 / 1206 / 1207 / 1209, Caterpillar TO-2, CNH MAT -3505, -3510, -3525, -3526, Ford ESN-M2C86-A/-B/-C, Ford ESN-M2C134A-D, Ford M2C-41, 43, 48B/C, 53A/B, 77A, 92A, 142A, 143, 159A Ford FNHA-2-C-200, C-201, M2CA-C, JCMAS HK P-041/042, John Deere JDM J 20C/D, Kubota UDT Fluid, Massey Ferguson CMS M1135, M1138, M1141, M 1143, M1145, Parker (Dennison UTTO) HF-0 / HF-1 / HF-2, Renk Doromat 87.3.874A/B, Sperry Vickers/Eaton M2950S / I-280-S, Steiger HTF (SEMS 17001), Volvo CE WB 101.
Hytractol UTTO CNH		GL-4		For supplying transmissions, hydraulics and wet brakes in tractors, forestry and construction machinery of any types. Meets i.a. the requirements of HVLP-D gem. DIN 51 524 Teil 3, Case New Holland CNH MAT -3505, -3506, -3509, -3525, -3526, -3540, ZF-TE ML 03E / 05F / 06E / 06F / 06K / 17E / 21F, Massey Ferguson CMS M1135, M1141, M 1143, M1145, John Deere JDM J 20C/D, Allison C4, AGCO Powerfluid 821 XL, FENDT, New Holland NH 410 B / C, Landini, Claas / Renault Agriculture, Ford ESN-M2C86-B / -C, Ford ESN-M2C134-D, CASE MS 1207 / 1209 / 1210, Volvo CE WB 101, FNHA-2-C-200.00 / 201.00, Kubota UDT Fluid, Caterpillar TO-2, AXO 80 (KE507.866), VALTRA G2 - 08, Mc. Cormick HTX, Komatsu.

## Multigrade Engine Oils for Mixed Fleets

PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
		API	ACEA	
Favorit LMF	SAE 10W-40	CI-4 / SL	E7 / B4 / A3	Maximum performance low friction oil for modern diesel and gasoline engines with turbo charger. Meets i.a. the requirements of Global DHD-1, MTU Type 2, Cummins CES 20077 / 20078, DAF, DEUTZ DQC III-05, Renault Truck RLD/RLD-2, Mack EO-M Plus, Caterpillar ECF-1a, Caterpillar ECF-2. <b>Approval according MB-approval 228.3, MAN M 3275, Volvo VDS-3, Mack EO-N, Renault VI RLD-2.</b>
Favorit MF	SAE 15W-40	CI-4 / SL	E7 / A3 / B4	Maximum performance oil for diesel and gasoline engines. Meets i.a. the requirements of Renault Truck RLD/RLD-2, Mack EO-M Plus, Global DHD-1, Caterpillar ECF-1a/ECF-2, MTU Type 2, Cummins CES 20078. <b>Approval according MB-approval 228.3 / 229.1, Volvo VDS-3, Renault VI RLD-2, MAN M 3275, Mack EO-N.</b>
Komparol MF	SAE 10W-40	CI-4 CF / SL	E7 / B4 / A3	High performance low friction oil for highest demands. Meets i.a. the requirements of MB 228.3, MAN M 3275, Volvo VDS-3, Cummins CES 20076 / 20077, Mack EO-M Plus, Caterpillar ECF-1a, MTU Type 2. <b>Approval according DEUTZ DQC III-10.</b>
Komparol MF	SAE 15W-40	CI-4 CF / SL	E7 / B4 / A3	High performance low friction oil for highest demands. Meets i.a. the requirements of DHD-1, MTU Type 2, Renault RLD-2, Cummins CES 20076 / 20077 / 20078, MB 228.3 & 229.1, MAN M 3275, Mack EO-M Plus, Caterpillar ECF-1, JASO DH-1. <b>Approval according Volvo VDS-3, DEUTZ DQC III-10.</b>

## Multigrade Engine Oils for Commercial Vehicles

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PRODUCT DESIGNATION		PERFORMANCE LEVEL		PRODUCT DESCRIPTION
		API	ACEA	
Favorit LSAP	SAE 10W-40	CI-4	E9 / E7 / E6	Semi-synthetic high performance low friction diesel oil. Due to reduced sulfur-, phosphor- and ash content suitable for exhaust aftertreatment systems (Euro VI standard). Meets i.a. the requirements of MTU Type 3.1, Renault Truck RXD/RGD, Mack EO-M Plus, CAT ECF-1-a, Deutz DQC IV-10 LA, Cummins CES 20076, 20077, Volvo CNG Scania LA, DAF. <b>Approval according MB-approval 228.5, (covers 226.9), MAN 3477, 3271-1, Volvo VDS-3, Mack EO-N, Renault VI RLD-2.</b>
Favorit MSAP	SAE 10W-40	CI-4 Plus CJ-4 / CI-4 SM	E9 / E7	Ultra high performance low emissions heavy duty engine oil, recommended for four-stroke naturally aspirated, turbocharged, and supercharged diesel engines. Meets i.a. the requirements of MB 228.31, MAN 3275 / 3575, MTU Type 2.1, DDC 93K218, CAT ECF-3 / ECF-2 / ECF-1-a, Cummins CES 20081 JDQ-78X, Deutz DQC III-10LA. <b>Approval according Volvo VDS-4, Mack EO-O Premium Plus, Renault VI RLD-3.</b>
Favorit MSAP	SAE 15W-40	CI-4 Plus CJ-4 / CI-4 SM	E9 / E7	Ultra high performance low emissions heavy duty engine oil, recommended for four-stroke naturally aspirated, turbocharged, and supercharged diesel engines. Meets i.a. the requirements of MAN 3275 / 3575, MTU Type 2.1, DDC 93K218, CAT ECF-3 / ECF-2 / ECF-1-a, Cummins CES 20081 JDQ-78X, Deutz DQC III-10LA. <b>Approval according Volvo VDS-4, Mack EO-O Premium Plus, Renault VI RLD-3.</b>
Expert XH	SAE 10W-40	CI-4 / SL	E7 / E4	High performance UHPD low friction oil for Euro V commercial vehicle engines. Meets i.a. the requirements Renault RXD, Deutz DQC III-10, MTU Type 3, Cummins CES 20076, 20077, 20078, Scania LDF-2, Caterpillar ECF 1-a, ECF 2. <b>Approval according MB-approval 228.5, MAN M 3277, MAN M 3377, Volvo VDS-3, Mack EO-N, Renault VI RLD-2.</b>
Expert UHPD	SAE 10W-40	CI-4 + UHPD	E7 / E4	High performance low friction oil UHPD for Euro V commercial vehicle engines. Meets i.a. the requirements of MB 228.5, MAN M 3277, MAN M 3377, Volvo VDS-3, MTU Type 3, MACK EO-N, Renault RXD, VI RLD-2, Caterpillar ECF 1-a, ECF 2, Cummins CES 20076, 20077, 20078, Scania LDF-2, Deutz DQC III-10.
Favorit LSAP	SAE 5W-30	CI-4	E9 / E7 / E6	High performance low friction UHPD oil for Euro-IV and V-commercial vehicle engines. Meets i.a. the requirements of MB 228.51 (covers 226.9), Volvo VDS-3, Volvo CNG, Scania LA, MAN 3477 / 3271-1, CAT ECF-1-a, Deutz DQC IV-10 LA, Cummins CES 20076 / 20077, Renault VI RLD-2, Renault Truck RXD, RGD, Mack EO-N, Mack EO-M Plus, MTU Type 3.1.
Favorit LSAP PLUS	SAE 5W-30	CI-4	E9 / E7 / E6	High performance low friction oil for Euro-V and VI-commercial vehicle engines. Meets i.a. the requirements of MB 228.51 / 228.31, MTU Type 3.1, JASO DH 2, Volvo VDS-4, Renault Truck RLD-3, Cummins CES 20081, CAT ECF-3, Deutz DQC IV-10 LA, Detroit Diesel DDC 93K218, Voith Retarder Class B, DAF, Iveco, Mack EO-O Premium Plus-07 / EO-N Premium Plus / EO-M Plus. <b>Approval according MAN M 3677 / M 3477 / M 3271-1.</b>



## Hydraulic Oils

PRODUCT DESIGNATION	ISO - VG	PRODUCT DESCRIPTION
Hydralube HLP	10, 22, 32, 46, 68	Mineral oil-base hydraulic oil. Meets and exceeds the requirements of DIN 51 524, Teil 2 (HLP), ISO 6743/3 (HM) and AFNOR NF E 48 602 (HM), Denison HF0, HF1, HF2.
Hydralube HLP-D	32, 46, 68	Cleaning active EP hydraulic oil for extreme operating conditions. Meets and exceeds the requirements of DIN 51 524, Teil 2 (HLP, deterging) and MAN-N 698.
Hydralube HVLP	32, 46, 68	High-performance EP hydraulic oil with very good viscosity temperature characteristics. Meets and exceeds the requirements of DIN 51 524, Teil 3 (HVLP).
Hydralube Bio HEES	46	Readily biodegradable hydraulic oil HLP/HVLP on synthetic ester oil basis. Meets the minimum technical requirements for HEES-Öle according to VDMA-Einheitsblatt 24568 of 03/1994 and the requirements placed on Hydrauliköle HLP and HVLP of DIN 51 524, parts 2 & 3.

## Central Hydraulic Oil

PRODUCT DESIGNATION	ISO - VG	PRODUCT DESCRIPTION
Hydralube ZHF		Synthetic hydraulic fluid that meets the most stringent requirements in state-of-the-art vehicle aggregates. Meets i.a. the requirements of Audi P/N G002000 & G002012, Chrysler MS-1872, MS-5931, P/N 04883077, Chrysler MS-9602, ATF+4, Chrysler MS-10838, PN 05142893AA, Ford M2C195-A, M2C204-A, GM 9985010, P/N 1052884 & GM 9985835, P/N 12345866, Hyundai / Kia PSF-3, PSF-4, MB 236.3, P/N 000 989 88 03 & MB 345.0, P/N 001 989 2403, Mitsubishi PS Fluid & Diamond SP II, Nissan PSF-II, Saab P/N (45) 30 09 800 & P/N 30 32 380, Subaru P/N K0209A0080, Toyota PSF Type EH, P/N 008886-01, VW P/N G002000 & P/N G002012, Volvo P/N 1161529.

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## Saw Frame Oils

PRODUCT DESIGNATION	ISO - VG	PRODUCT DESCRIPTION
Saw Frame Oil	220, 320, 460	Adhesive oil on the basis of selected mineral oils for high load applications. Fulfills and exceeds the requirements according DIN 51517, part 3 (CLP).

## Gas Engine Oils

PRODUCT DESIGNATION	ISO - VG	API	PRODUCT DESCRIPTION
Gas Engine Oil Plus	40	CF	Middle ash gas motor oil, especially for 4-stroke gas motors for turbocharged, naturally aspirated rich and lean burn gas engines. Meets i.a. the requirements of Caterpillar, MWM Deutz, MAN, Jenbacher and Wärtsila.
Gas Engine Oil BG	40	CF	Gas engine oil with high ash content especially for 4-stroke gas motors, which are used under severe operating conditions, such as heating plants, biogas plants or gas-fired plants or landfill gas plants. Meets i.a. the requirements of MWM Deutz, Waukesha, SKL, Jenbacher, Wärtsila. <b>Approval according MAN M 3271-4 (Special gas).</b>
Gas Engine Oil	40		Low ash gas motor oil, especially for 4-stroke gas motors for turbocharged, naturally aspirated rich and lean burn gas engines. Meets i.a. the requirements of Caterpillar, MWM Deutz, MAN, Jenbacher, Wärtsila, Cummins, Guascor and Waukesha.

## Slideway Oils

PRODUCT DESIGNATION	ISO-VG	PRODUCT DESCRIPTION
Adhesol SW	68, 220	For lubricating the slide ways on machine tools, of gear units and all kinds of advance devices. For hydraulic systems of all kinds of pumps and engines. Recommended for use in central lubricating systems. Meets the requirements of DIN 51 524, part 2 (HLP) and DIN 51 517, part 3 (CLP). Classification according to DIN 51 502 into the substance type lubricating oil CGLP.

## Industrial Gear Oils

PRODUCT DESIGNATION	ISO-VG	PRODUCT DESCRIPTION
Impulsor CLP	100, 150, 220, 320, 460	EP gear and circulating oil for use in heavily loaded industrial gears and for use at high sliding speeds and roller pressings. Meets and exceeds the requirements of DIN 51 517 part 3 (CLP).

## Chain Saw Oils

PRODUCT DESIGNATION	ISO-VG	PRODUCT DESCRIPTION
Silvacur K 100	100	Mineral chain saw oil with high oil film stability and excellent corrosion protection, especially for saw chains of motor chain saws; can also be used as adhesive oil for low loaded lubricating points.
Silvacur Bio 80	80	Saw chain oil, which is produced predominantly from components of native origin and therefore has an excellent biodegradability. Es It fulfills all the essential prerequisites, which are placed on a practical chain saw oil. Meets all essential requirements, which are placed on a practical chain saw oil.

## Greases

PRODUCT DESIGNATION	IDENTIFICATION ACCORDING TO DIN 51 502	PRODUCT DESCRIPTION
Mehrzweckfett K2K-30 [multipurpose grease]	K2K-30	Lubricating grease DIN 51 825 - K2K-30, consistency class NLGI 2. Lithium grease for normally loaded rolling and plain bearings. Operating temperature range: -30 to +130°C.
EP-Langzeitfett KP2K-30 [longlife grease]	KP2K-30	Lubricating grease DIN 51 825 - KP2K-30, consistency class NLGI 2. Lithium grease for highly loaded rolling and plain bearings as well as for sliding surfaces with high compression stress. Operating temperature range: -30 to +130°C.
Mehrzweckfett (Grafit) KF2K-30 [multipurpose grease]	KF2K-30	Lubricating grease DIN 51 825 - KF2K-30. Consistency class NLGI 2. Graphite-containing lithium grease for normally loaded rolling and plain bearings as well as for sliding surfaces. Application temperature range: -30 °C to + 130 °C.
Mehrzweckfett (MoS2) KPF2K-30 [multipurpose grease]	KPF2K-30	Lubricating grease DIN 51 825 - KPF2K-30, consistency class NLGI 2. Lithium grease (MoS2) for highly loaded rolling and plain bearings with normal or high speed, as well as for sliding surfaces with high compression stress. Operating temperature range: -30 to +130°C.
Spezial Fließfett ZSA MP00G-40 [fluid grease]	MP00G-40	Lubricating grease DIN 51 502 - MP00G-40, consistency class NLGI 00. Lithium fluid grease on the basis of mineral base oils for closed gears which require grease lubrication. Operating temperature range: -40 to +100°C.
Spezial Fließfett ZSA KHCP00G-40 [fluid grease]	KHCP00G-40	Lubricating grease DIN 51 502 and DIN 51 825 - KHCP00G-40, consistency class NLGI 00. Lithium fluid grease on the basis of synthetic base oils for closed gears which require grease lubrication. Operating temperature range: -40 to +100°C.
LKW EP-Radlagerfett KP2N-30 [wheel bearing grease]	KP2N-30	Lubricating grease DIN 51 502 - KP2N-30, consistency class NLGI 2. Lithium complex grease for highly loaded rolling and plain bearings at high temperatures, short-term up to 220°C. Operating temperature range: -30 to +140°C.



## Anti Freezes

PRODUCT DESIGNATION	PRODUCT DESCRIPTION
Antifreeze GW-11 Concentrate	Concentrated antifreeze for water-cooled combustion engines. Also suitable for aluminium engines. Protects the radiator against rust, corrosion and calcification and, depending on the concentration used, ensures frost protection down to -40°C. Corresponds to the specifications of MB 325.0 & 325.2, VW/Audi/Seat/Skoda/Porsche TL 774-C (G11), BMW GS 94000, Opel GME L301, Ford ESD-M97B94-A, MAN 324 NF, Saab 6901 599, MTU MTL 5048, Cummins 85T8, Volvo 128 6083/002, Lada TTM VAZ 1.97.717-97, ASTM D3306, ASTM D4656, ASTM D4958, BS 6580, JASO M325 (Japan), KSM 2142, NATO S-759, NFR 15-601, Swiss Fed. Lab Empa, FVV Heft R443 (Germany), FS 6850-0951 (MIL Norway), FSD 8704 (MIL Sweden), BT-PS-606 A (MIL Belgium), SAE J1034, TL 6850-0038 (MIL Germany), DCSEA 615/C (MIL France), E/L-1415b (MIL Italy).
Antifreeze GW-11 -40°C	Prediluted antifreeze for water-cooled combustion engines. Also suitable for aluminium engines. Protects the radiator against rust, corrosion and calcification and ensures frost protection down to -40°C. Qualifications: MB 325.0 & 325.2, BMW GS 94000, MAN 324 NF, Cummins 85T8, Volvo 128, VW / Audi / Seat / Skoda / Porsche TL 774-C (G11), Opel GME L301, Saab 6901 599, Lada TTM VAZ 1.97.717-97, Ford ESD-M97B94-A, MTU MTL 5048.
Antifreeze GW-12 Concentrate	Silicate-free concentrated antifreeze for water-cooled combustion engines. Also suitable for aluminium engines. Protects the radiator against rust, corrosion and calcification and, depending on the concentration used, ensures frost protection down to -40°C. Compatible with all branded products (also VW G11). Qualifications: VW/Audi/Seat/Skoda TL774-D/F (G12/12+), Bergen Engines 2.13.01, Case New Holland MAT3624, Caterpillar A4.05.09.01, Cummins CES 14603/CES 14439, Cummins IS series u N14, Deutz/MWM 0199-99-2091/8, Jaguar STJLR 651.5003, John Deere JDM H5, Komatsu 07.892 (2009), Land-Rover STJLR 651.5003, Leyland Trucks DW03245403, Mack 014 GS 17009, Opel-GM GMW 3420, Renault Trucks 41-01-001/-S Type D, SACM Diesel DLP799861, Vauxhall GM 6277M (+B040 1065), Vauxhall GME L1301, Volvo 014 GS 17009, Volvo Penta/Trucks/Construction, MB 325.3, DAF 74002, Aston Martin, Chevrolet, Fendt, Hitachi, Isuzu, Proton, Rover, Deutz DQC CB-14, Fiat MAT3624, Ford WSS-M97B44-D, Jaguar CMR 8229, Jenbacher TA 1000-0201, Liebherr MD1-36-130, MAK A4.05.09.01, MAN 324 SNF, MAN B&W AG D36 5600, Mazda MEZ MN 121 D, Mitsubishi MHI, MTU MTL 5048, Saab B 040 1065, Skoda 61-0-0257.
Antifreeze GW-12 -40°C	Prediluted silicate-free antifreeze for water-cooled combustion engines. Also suitable for aluminium engines. Protects the radiator against rust, corrosion and calcification and ensures frost protection down to -40°C. Compatible with all branded products (also VW G11). Qualifications: VW/Audi/Seat/Skoda TL744-D/F (G12/12+), MB 325.3, John Deere JDM H5, MAN 324 SNF, Opel-GM GMW 3420, MTU MTL 5048, Renault-Nissan 41-01-001/-S Type D, Jenbacher TA 1000-0201, Caterpillar A4.05.09.01, Fiat MAT3624, Cummins IS series u N14, Mazda MEZ MN 121 D, Komatsu 07.892 (2009), Liebherr MD1-36-130, Deutz/MWM 0199-99-2091/8, Ford WSS-M97B44-D, Volvo 014 GS 17009.
Antifreeze GW-13 Concentrate	Modern antifreeze based on ethanediol. Due to the non-use of borates, nitrites, amines and phosphates, the agent is environmentally friendly and is especially recommended for cast-iron and alloy engines where a special aluminum protection is required at higher temperatures. Granted depending on the application concentration frost protection down to -40°C. Meet inter alia the quality requirements Audi, Seat, Skoda, VW TL774J (G13).
Antifreeze GW-13 -40°C	Prediluted antifreeze based on ethanediol (ethylene-glycol, MEG). Due to the non-use of borates, nitrites, amines and phosphates, the agent is environmentally friendly and is especially recommended for alloy engines where a special aluminum protection is required at higher temperatures. Granted depending on the application concentration frost protection down to -40°C. Meet inter alia the quality requirements of Audi, Seat, Skoda, VW TL774J (G13).
Antifreeze ST 4800 Concentrate	Modern full concentrate special antifreeze based on ethylene glycol. Granted depending on the application concentration frost protection down to -38°C. Meets inter alia the quality requirements of AS 2108-2004, ASTM D 3306 and D 4985 (USA), SAE J 1034 (USA), BS 6580 (GB), AFNOR NF R15-601, BMW N 600 69.0, Bundeswehr TL 6850-0038/1, VW / AUDI / SEAT / SKODA TL 774-C, OPEL / GENERAL MOTORS B 040 0240, Jenbacher TA-Nr. 1000-0201, Liebherr Machines Bulle TLV 035, TLV 23009 A MAN 324 Type NF, MTU MTL 5048, Porsche für 924, 944, 968, 928, SAAB 690 1599, ÖNORM V 5123, CUNA NC 956-16, JIS K 2234:2006, SANS 1251:2005, SH 0521-1999, MB 325.0 and 325.2, Deutz H-L V 0161 0188, Bez.Reg. Arnsberg Abt. Bergbau & Energie 84.12.22.63-2001-2.

## Brake Fluid

PRODUCT DESIGNATION	PRODUCT DESCRIPTION
Brake Fluid DOT 4	High performance brake fluid, which is designed to meet the requirements of modern motor car brake systems DOT 3 / DOT 4 with disc- and drum brakes. According FMVSS 116, SAE J 1703/J 1704 and ISO 4925 class 4.



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