

TECTROL

TECTROL lubricants and operating materials

For agriculture.



Small input. Big impact.

www.tectrol.de/en

Innovative. Reliable. Powerful.

Lubricants and operating materials for commercial,
industrial and agricultural applications.



- » Know-how in lubricants since 1951
- » Complete range of lubricants and special products
- » Many OEM recommendations and approvals, also in first fill
- » More than 40,000 satisfied customers in 20 countries worldwide rely on TECTROL products
- » Certified according to DIN EN ISO 9001 quality management standard
- » Quality management standard for the automotive industry ISO TS 16949
- » ISO 14001 environmental management
- » Many agricultural machinery workshops use TECTROL lubricants
- » 50 million litres of lubricants and operating materials



Content

TECTROL Lubricant Advisor	4
TECTROL Analysis system	5
TECTROL Quality lubricants for commercial vehicles, construction and agricultural machinery	6
TECTROL Application examples	8
TECTROL Products & services for all areas of cogeneration plants	10
For people and the environment	12
Our extended product range	14

TECTROL lubricant recommendations for you online



The TECTROL lubricant advisor is your carefree package which ensures that everything runs smoothly. Find your lubricant recommendation now online at:



<https://www.tectrol.de/en/services/lubes-advisor>

The TECTROL lubricant advisor

The ideal product for any vehicle.

Use the TECTROL lubricant advisor to access custom TECTROL product recommendations for your vehicle or machine online. The lubricant advisor is quick and easy to use. Choose your machine from the categories cars, trucks, vans, buses, two-wheelers, agricultural machines, industrial machines, then find your exact model using the detailed search.

The individual product recommendations offer the best conditions to run your machines and vehicles efficiently and effectively.



The TECTROL analysis system

Used oil and coolant analyses for guaranteed reliable operation of agricultural machinery.

Regular analyses of used oil and coolant provide you with important information on the condition of your engine and the performance quality of the agent used. Rely on the proven TECTROL analysis system and a strong partner to ensure a long service life for your machines.

Get started with us!

The TECTROL analysis system



Simple and compact

Our diagnoses are easy to understand and tailored to your technical needs. The results are ready in no time and are clearly presented.

Competent advice and usage recommendation

For detailed information and recommendations on issues such as oil changes and products for the long-term care and maintenance of your equipment, please contact your technical advisor.

Simple data processing and backup

The analysis results are prepared and saved for you in an easy-to-understand way. All data is available to you at any time and can be retrieved according to your needs.

TECTROL LUBRICANTS FOR THE MOST DEMANDING REQUIREMENTS

Especially for commercial vehicles, construction and agricultural machinery.



Performance classifications

TECTROL premium engine oils meet the current highest performance classifications in the oil standards ACEA E4/E6/E7/E8/E9/E11 and API CG-4/CH-4/CI-4/CJ-4 and CK-4 as well as many well-known manufacturer approvals.

TECTROL engine oils have particular approvals from manufacturers such as:

- » Deutz
- » MAN
- » Renault
- » Mercedes Benz
- » Volvo

TECTROL premium engine oils

From the TECTROL SUPER TRUCK series.

The fuel-saving engine oils have been specially developed for low-emission commercial vehicle diesel engines, with and without turbochargers, and for modern exhaust after-treatment systems such as catalytic converters and particulate filters. These oils are based on a high-quality base oil and additive technology. Approved for the latest maintenance interval extensions.

TECTROL multi-purpose oils

STOU and UTTO for several applications.

TECTROL multi-purpose oils contribute to grade streamlining thanks to their special additives and a wide range of manufacturer specifications. Our STOU (Super Tractor Oil Universal) products, TECTROL SUPER MULTISYN PLUS and other multi-purpose oils from the TECTROL SUPER 2000 product range are used in diesel engines up to ACEA specifications E4/E7. They are also suitable for manual and axle transmissions, hydraulic oil and for oil-immersed brakes. TECTROL UTTO (Universal Tractor and Transmission Oil) multi-purpose oils can be used exclusively for manual and axle transmissions, hydraulics and for oil immersed brakes.

TECTROL gear oils

For manual, axle and differential transmissions.



The balanced formulation of TECTROL high-performance oils according to API GL-4, GL-5 / LS (limited slip) allows fuel savings, longer intervals between oil changes, provides excellent wear protection and increases the shifting comfort of transmissions. It retains its quality even at high operating temperatures and loads.

TECTROL hydraulic oils

For all requirements.



Our wide range of hydraulic oils in various viscosity grades meets all manufacturer requirements of modern mobile hydraulics and usually even exceeds them in terms of power transmission, change intervals, wear protection, thermal properties and energy efficiency. They are tested according to DIN 51524 - HLP, HVLP, HLPD and HVLP-D.

TECTROL lubricating greases

With high quality ingredients.



Our wide range of lubricating greases is characterised by high-quality ingredients, covers NLGI classes 0 to 3 and ranges from simple multi-purpose greases to high-pressure greases for various applications, saltwater-resistant greases and special greases for use at high temperatures or in grease-filled transmissions



The product range is completed by our TECTROL special products for CVTs and products that eliminate rattling and squealing in oil-immersed brakes.

Your benefits

- » The right solution for every vehicle
- » Tested quality thanks to particular approvals by manufacturers
- » High-quality base oil and state-of-the-art additive technology
- » Excellent wear protection, even under extreme conditions
- » Optimised friction performance for transmissions, axles and clutches
- » Suitable for all modern exhaust after-treatment systems
- » Long intervals between oil changes
- » Fuel savings and reduced CO₂ emissions

TECTROL for commercial vehicles

Quality for all applications.



Engine oil

- TECTROL SUPER TRUCK PLUS XL 530 SAE 5W-30
- TECTROL SUPER TRUCK PLUS 1030 SAE 10W-30
- TECTROL SUPER TRUCK PLUS XL 1040 SAE 10W-40
- TECTROL SUPER TRUCK PLUS 1040 SAE 10W-40
- TECTROL SUPER TRUCK VD PLUS 1540 SAE 15W-40
- TECTROL SUPER TRUCK 1540 SAE 15W-40
- TECTROL HDC 1540 SAE 15W-40

Coolant ready mix

- TECTROL COOLPROTECT-MIX 3050
- TECTROL COOLPROTECT-MIX 4050
- TECTROL COOLPROTECT-MIX 4850

Coolant concentrate

- TECTROL COOLPROTECT
- TECTROL COOLPROTECT OAT
- TECTROL COOLPROTECT SI-OAT

Axle gear oil with and without limited slip differential

- TECTROL MULTIGEAR LS 90
- TECTROL MULTIGEAR LS 90 S

Lubricating greases

- TECTROL TERRA SPEZIAL-FETT 2 PLUS
- TECTROL SPEZIAL-FETT LX 2
- TECTROL MULTI-FETT CAL 2
- TECTROL MULTI-FETT EP 2

Multi-purpose oil STOU

- TECTROL SUPER MULTISYN PLUS SAE 10W-40
- TECTROL SUPER 2000 CD-HC SAE 10W-30
- TECTROL SUPER 2000 PLUS SAE 10W-40
- TECTROL SUPER 2000 PRO SAE 10W-40
- TECTROL OPTIMUM STOU F SAE 10W-40

Multi-purpose oil UTTO

- TECTROL UTTO-HF SAE 15W-30/10W-30
- TECTROL UTTO-MHF SAE 10W-30
- TECTROL UTTO-F SAE 20W-30
- TECTROL UTTO-ZF SAE 20W-40
- TECTROL UTTO-TO SAE 30

Windscreen antifreeze

- TECTROL SCHEIBENFROSTSCHUTZ
- TECTROL SCHEIBENFROSTSCHUTZ-MIX -30 Grad

AdBlue®*

32.5 % urea solution

Rear axle gear oil

- TECTROL MULTIGEAR 85140
- TECTROL MULTIGEAR HYP 90
- TECTROL MULTIGEAR PLUS 8090
- TECTROL MULTIGEAR EP 8090

Manual transmission oil

- TECTROL MULTIGEAR PLUS 8090
- TECTROL MULTIGEAR EP 8090
- TECTROL UNIGEAR 80
- TECTROL UNIGEAR 90

Hydraulic oil

- TECTROL HLP ISO VG 32,46,68
- TECTROL HVLP ISO VG 32,46,68
- TECTROL HC 530 ISO VG 32-68
- TECTROL HVLP 1030 ISO VG 46-100
- TECTROL HVLP-D ISO VG 46,68
- TECTROL TERRA HYD SUPER S ISO VG 32-68
- TECTROL SUPER MULTISYN PLUS SAE 10W-40
- TECTROL SUPER 2000 CD-HC SAE 10W-30
- TECTROL SUPER 2000 PLUS SAE 10W-40
- TECTROL SUPER 2000 PRO SAE 10W-40
- TECTROL OPTIMUM STOU F SAE 10W-40

WELL POSITIONED ALL ROUND

Our products and services for all areas of cogeneration plants.



Biogas engine oils

TECTROL MethaFlexx – The right choice for your cogeneration plant.

Engines powered by gas have rigorous requirements. They are subject to deposits, higher wear and high levels of heat. MethaFlexx high performance gas engine oils have been developed for exactly this purpose. They protect engines with a perfect lubricating film even under the most demanding challenges.

High performance coolant

For cogeneration plants.

Coolant products from TECTROL are available in different variants with many approvals from well-known CHP manufacturers, as concentrate or as a ready-mix product. By using powerful inhibitors, it is possible to achieve long intervals between changes and best heat dissipation in order to maintain the performance of the CHP in the long term. Our coolants have been developed in consultation with leading CHP manufacturers and feature unique properties which make them ideal for use in stationary gas engines.

Stability and durability

High operating temperatures

The premium TECTROL MethaFlexx products offer the best operating properties at high operating.

Increased oxidation stability

MethaFlexx gas engine oils contain additive packages with high neutralising capacity as well as high aging resistance.

Safe lubrication

The unique synergies of additives and base oils give TECTROL MethaFlexx lubricants perfect viscosity/temperature properties so that the lubricating film can spread optimally.

Leak test

The comprehensive safety check for a profitable, resource-saving operation of the plant.

The leak test makes gas leaks in tanks, pipes, gas processing plants and cogeneration plants visible. Modern imaging technology helps locate costly and climate-damaging methane leaks. The special camera displays and records any amount of methane leaks. Leaks can be quickly fixed or repairs can be planned. This increases efficiency and protects the environment. The statutory Technical Rules on Plant Safety (TRAS 120) prescribe an imaging test at least every three years.



Take preventive action and be optimally prepared for the demands of the approving authority or your insurer!

Activated carbon

Protection and durability for cogeneration plants.

Our activated carbon consists of 4 mm iodine-impregnated carbon pellets based on hard coal and can be used to remove hydrogen sulphide from biogas very successfully. When the activated carbon is saturated (exhausted), it must be disposed of in accordance with local waste regulations. Replacement requires appropriate protective measures and is time-consuming.



We will happily dispose of your loaded activated carbon including proof of disposal.

Enzymes

For a seamless process.

Substrates such as grass silage, solid manure and grain/plant silage (GPS) contain a lot of cellulose and mucilage and can negatively affect the operation of equipment. The use of InnoCon® enzymes helps you to equalise these problems and enable trouble-free operation. Choosing the right enzyme always depends on the starting substrate. Our specialists will be happy to advise you and determine the right enzyme for your equipment.

AdBlue® for your cogeneration plant

Maximum efficiency, profitability and sustainability.

Efficiency is a decisive parameter for the profitability of your cogeneration plant. AdBlue® from TECTROL ensures that your cogeneration plant operates efficiently and profitably over the long term – while complying with all limit values and operating requirements. A real win-win situation for your energy supply and our environment: lower costs, more climate protection.

Your benefits



- » Professional performance with state-of-the-art camera technology
- » Locate small gas leaks using a snooperscope according to the traffic light system
- » Professional handling of all workflows

Tip



Our activated carbon service:

- » Saves time and expense
- » Protects your health
- » Avoids hazardous situations due to explosive residual gases in the tank
- » Professional service
- » With proof of disposal

FOR PEOPLE AND THE ENVIRONMENT

Maximum performance with minimum load.



The benefits of TECTROL TERRA

- » Environmentally safe
- » Quickly biodegradable
- » High performance
- » High aging resistance
- » Excellent corrosion protection
- » Excellent temperature performance
- » Technically sophisticated and field-tested
- » Fewer varieties needed thanks to multi-grade oils

TECTROL TERRA

Biodegradable lubricants.

For a wide range of applications in the agricultural sector. To protect the environment and nature, we offer a wide range of lubricants that are biodegradable and therefore non-hazardous to the environment. In terms of performance, these products are comparable to or even surpass conventional mineral-oil-based lubricants. They include hydraulic oils, lubricating greases, saw chain oils, vacuum pump oils for slurry spreading, corrosion protection oils, release and formwork oils.

Our TERRA product line offers products for numerous applications:

- » Hydraulic oils
- » Lubricating grease
- » Saw chain oils
- » Vacuum pump oils
- » Spray oils

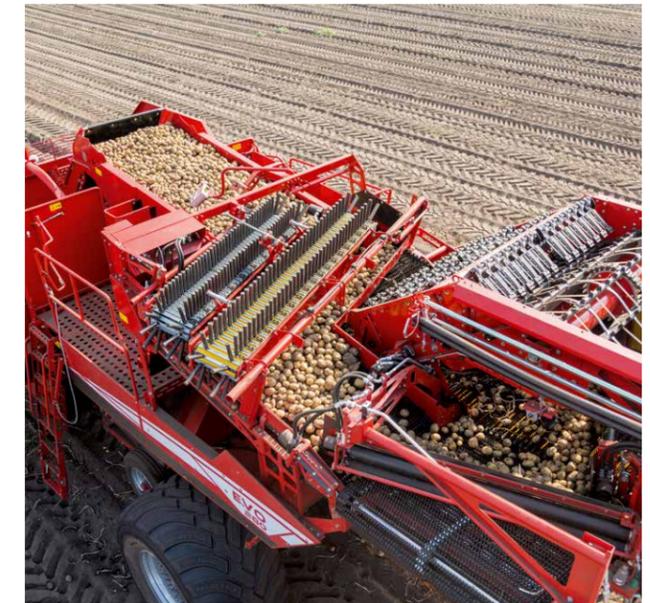
TECTROL FOOD

Food-grade lubricants.

For food processing and animal feed producing agriculture, FOOD products from TECTROL offer lubricants of the highest quality to meet increasing demands on product hygiene. Our TECTROL FOOD products comply with the standards defined by the NSF for food and feed production and are certified according to NSF H1.

Our FOOD line offers products for numerous applications:

- » Hydraulic oils
- » Lubricating grease
- » Maintenance sprays
- » Cleaners



TECTROL special fuels

To protect people and nature.

Refuel the future. We need to think about tomorrow today. Discover the perfect combination of technological innovation and sustainable action! With TECTROL ECO special fuels, you are not only doing something good for your engines, but also for our environment.

Our high-quality products help you maximise the performance of your equipment while minimising emissions. To protect nature and your health.

- » TECTROL ECO BENZIN 4 for 4-stroke engines
- » TECTROL ECO BENZIN 2 PLUS for 2-stroke engines
- » TECTROL ECO DIESEL for diesel engines



OUR EXTENDED RANGE

For commercial, industrial and agricultural requirements.



AdBlue® from TECTROL

The way to a clean vehicle.

AdBlue® from TECTROL is an indispensable operating material for all modern agricultural machines with diesel engines and SCR exhaust after-treatment. Diesel-powered vehicles from exhaust emission standard TIER IV or Euro Norm 4 with SCR technology require the separate operating fluid AdBlue®. AdBlue® is a standardised operating fluid and consists of urea (32.5%), a synthetic nitrogen compound and demineralised water. It is a colourless and odourless liquid. AdBlue® from TECTROL meets the standards DIN 70070 and ISO 22241.



TECTROL radiator and windscreen antifreeze

Reliable protection against overheating and the cold.

Coolant products from TECTROL are available as concentrate or as a ready-mix product in different variants with many approvals from well-known engine and vehicle manufacturers. By using powerful inhibitors, it is possible to achieve long intervals between changes and best heat dissipation in order to maintain the performance of the engines in the long term.

Technologies used in our coolants:

- » HYBRID technology
- » OAT technology
- » SI-OAT technology
- » PSI-OAT technology



The TECTROL protection and care programme

For agricultural equipment.

For the protection and care of agricultural equipment, we offer you a wide range of high-quality products, from rust remover spray, multi-spray, chain spray, cold start spray to various types of cleaners such as brake cleaner, cold cleaner, vehicle cleaner, special cleaner for corn starch and contact and leak detection spray.



TECTROL oil binding agents

Versatile, easy to use and optimum absorbency for oil and chemicals.

Whether at work in agriculture, industry, trade, on roads or other traffic areas: Our TECTROL oil binding agents are universally applicable and ensure fast product absorption. The unique product properties enable rapid containment of liquid leaks and provide you with the following advantages depending on the version:

- » Fast and highly absorbent
- » Odour-neutralising
- » Water repellent
- » Floatable
- » Different particle sizes available
- » Ideally suited for tiles and sealed workshop floors



Tanks, measuring and filling equipment

Safe and compliant.

Store and handle your lubricants and operating fluids safely and properly. With our range of tanks and pumps, you are on the safe side.

Our product range includes the following:

- » Stationary and mobile filling stations
- » Storage tanks
- » Measuring and filling equipment for fuel oil and diesel
- » Measuring and filling equipment for AdBlue®
- » Measuring and filling equipment for oil and grease
- » Environmental technology
- » Custom turnkey solutions for your needs



Expert advice

You can buy and use our products and services throughout Germany and other countries. More than 100 expert consultants are at your disposal.

Contacts – Germany

Baden-Württemberg, Bavaria, Brandenburg (South), Hesse, Saxony, Thuringia, North Rhine-Westphalia (West), Rhineland-Palatinate, Saarland	BayWa AG Energie phone: +49 (0) 931 99172 0, E-mail: sales@tectrol.de
North Rhine-Westphalia (Central/Eastern), Lower Saxony, parts of Saxony-Anhalt and parts of Brandenburg	AGRAVIS Raiffeisen AG, Hannover, phone: +49 511 80 753 505
Rhineland-Palatinate	P&M Lubri-Tec Sàrl, L-9749 Fischbach, phone: +352 26 90 46 89 Raiffeisen Hunsrück Handelsgesellschaft mbH, 56291 Lingerhahn, phone: +49 (0) 674 63 45 139

Contacts – International

Austria	Unser Lagerhaus Warenhandelsgesellschaft mbH, Klagenfurt, phone: +43 463 38 65 688
Bulgaria	Stoychevi, Dobrich 9300, phone: +359 88 586 2558
Czech Republic, Slovakia	I. O. B., spol s. r. o., phone: +420 283 085 215
Hungary	KSZE-Gépipari Szolgáltató és Kereskedelmi Kft., 7100 Szekszárd, phone: +36 30959 8234
Italy (except South Tyrol)	Tamoil Italia SpA, Milan, phone: +39 0226 816 321
Italy - South Tyrol	Consorzio Agrario, Bozen, Tel.: +39 0471 926 902
Luxembourg	P&M Lubri-Tec Sàrl, L-9749 Fischbach, phone: +352 26 90 46 89
Switzerland	LAVEBA Genossenschaft, 9001 St. Gallen, phone: +41 58 400 66 95
Netherlands	Abemec, 5462 GG Veghel, phone: +31 (0) 413 382 244 Rijnen Brandstoffen bv, 5047 TX, Tilburg, phone: +31 (0) 135 422 284
Poland	Strzoda Maszyn y rolnicze, 48-217 Gostomia, phone: +48 (0) 692 253 134
Switzerland	LAVEBA Genossenschaft, 9001 St. Gallen, phone: +41 58 400 66 95
Singapore/Thailand/Indonesia/Malaysia/Myanmar	HAUSAUTO PTE LTD, Singapore, phone: +65 9187 88 10
Taiwan	Best fox-oil energy company, 00220 New Taipei City, phone: +886 934277681



www.tectrol.de/en