Lubricants for Agriculture
LUBRICANTS. TECHNOLOGY. PEOPLE.

We focus consistently on high-quality lubricants and related specialties.
We develop innovative and holistic solutions for a wide variety of applications.
We value the high level of commitment of our employees and their trusting interaction with one another.

Facts and figures
Company: FUCHS SCHMIERSTOFFE GMBH, a company of the FUCHS Group
Headquarters: Mannheim
Product range: A full range of more than 2,000 products and 6,000 articles
Certifications: ISO/TS 16949, DIN EN ISO 14001, BS OHSAS 18001, ISO 50001, KTA 1401
References: One of the leading lubricants OEM for the German automotive industry

FUCHS has developed, produced and sold high-quality lubricants and related specialties for more than 85 years – for virtually all areas of application and sectors. With over 100,000 customers and 57 companies worldwide, the FUCHS Group is the leading independent supplier of lubricants.

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

FUCHS lubricants stand for performance and sustainability, for safety and reliability, for efficiency and cost savings. They represent a promise: technology that pays off.
AGRIFARM lubricants have proved extremely successful even under the very toughest conditions and thereby offer the highest level of reliability for your vehicle fleet.

**AGRIFARM** will make the difference for you

AGRIFARM products are lubricants of the very highest quality made by FUCHS, which meet the latest standards of leading manufacturers in terms of application safety. FUCHS only uses selected base oils and specially developed additives for the manufacturing of AGRIFARM lubricants.

Our expertise guarantees the greatest reliability.

AGRIFARM is the worldwide specialist for high-end lubricants

Agricultural machines must deliver top performance on a daily basis. As a professional, you know how decisive the right oil is for the performance and durability of such a machine. So place your trust in the FUCHS AGRIFARM range of high-tech lubricants.

Noticeably increased oil change intervals in engines and significantly fewer signs of wear are just some of the visible results.

**Special lubricants for agriculture**

Alongside lubricants that can only be used for a certain component there are also the all-rounders: the STOU and UTTO products that come into use in agricultural applications.

Both were developed for use in transmission and hydraulic systems and can also be deployed in brakes designed to run in an oil bath (wet brakes).

STOU products can also be used in an engine if the respective specifications are met. In other words, a STOU is an STOU with engine performance. An overview is provided in the table below.

<table>
<thead>
<tr>
<th>Aggregate</th>
<th>UTTO*</th>
<th>STOU**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine (with or without turbocharging)</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Manual gearboxes</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Gearboxes and gearboxes-hydraulic systems with or without integrated wet brakes</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Hydraulic systems</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Final drives</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

*UTTO = Universal Tractor Transmission Oil
**STOU = Special Tractor Oil Universal

**Limited Slip (LS)**

LS lubricants are gear oils for differentials with disc lock, which guarantee perfect functionality and low noise under all loads.
**FUCHS AGRIFARM makes all the difference**

The highest quality and the largest selection – guaranteed

With a broad portfolio of specially developed lubricant solutions, FUCHS AGRIFARM offers optimal all-round protection for your machines.

**STOU**
- AGRIFARM STOU MC PRO SAE 10W-40
- AGRIFARM STOU MC SAE 10W-30
- AGRIFARM STOU MC SAE 10W-40
- AGRIFARM STOU SAE 15W-40
- AGRIFARM STOU SAE 15W-40

**Engine**
- AGRIFARM MOT X-LA SAE 10W-40
- AGRIFARM MOT SAE 10W-40
- AGRIFARM MOT SAE 15W-40
- PLANTO MOT SAE SW-40

**Hydraulic**
- PLANTOSYN 3268
- PLANTOSYN 3268 ECO

**Greases**
- RENOLIT MP PLUS
- RENOLIT FLM 2
- RENOLIT DURAPLEX EP 2
- RENOLIT LX-PEP 2
- RENOLIT GP-series
- RENOLIT PASTE PW
- RENOLIT LZR 2 H
- RENOLIT CA-LZ
- PLANTOGEL ECO 2 S
- PLANTOGEL ECO 2 N

**Gearbox**
- AGRIFARM GEAR LS SAE 90

**UTTO**
- AGRIFARM UTTO VT
- AGRIFARM UTTO MP
- AGRIFARM UTTO LN
- PLANTO HYTRAC PLUS

FUCHS AGRIFARM makes all the difference with the highest quality and the largest selection – guaranteed.
# AGRIFARM overview of products

<table>
<thead>
<tr>
<th>Brand name</th>
<th>Description</th>
<th>Specifications</th>
<th>Approvals</th>
<th>FUCHS Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AGRIFARM STOU Oils</strong></td>
<td>Ultra High Performance Multifunctional Oil (STOU/MFO) for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in tractors and other agricultural machinery.</td>
<td>SAE 15W-40</td>
<td>ACEA E7/E6/E4, API CJ-4, API CI-4, API GF-5 in tractors*</td>
<td>MB-APPROVAL 10/40</td>
</tr>
<tr>
<td><strong>AGRIFARM STOU Oil</strong></td>
<td>High Performance Multifunctional Oil (STOU/MFO) for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in agricultural equipment.</td>
<td>SAE 15W-40</td>
<td>ACEA E7/E6/E4, API CJ-4, CH-4, CAT ECF-2</td>
<td>FENDOTM 17/2012</td>
</tr>
<tr>
<td><strong>AGRIFARM STOU MC SAE 10W-40</strong></td>
<td>Super High Performance Multifunctional Oil (STOU/MFO) for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in tractors and other agricultural and other commercial vehicles.</td>
<td>SAE 10W-40</td>
<td>ACEA A3/A4, API CF-4, SAE 75W-90</td>
<td>FENDOTM 17/2012</td>
</tr>
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**Note:** The information contained in this brochure is based on the experience and expertise of FUCHS SCHMIERSTOFFE GMBH in the development and manufacture of lubricants and represents the current state of the art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pretreatment, possible external contamination, etc. For this reason, it is not possible to make universally valid statements about the functions of our products. Our products must not be used in aircraft/spacecraft or parts thereof. This does not apply insofar as the products can be removed again before components are fitted in an aircraft/environment, component pretreatment, possible external contamination, etc. For this reason, it is not possible to make universally valid statements about the function of our products. The information given in this product information represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any application. We therefore recommend that you consult a FUCHS SCHMIERSTOFFE GMBH application engineer to discuss application conditions and the performance criteria of the products before the products are used.

It is the responsibility of the user to test the functional suitability of the products and to use them with the corresponding care. Our products are subject to continuous further development. We therefore retain the right to change our product range, the products, and their manufacturing processes as well as all details in the brochure at any time and without warning, provided that no custom-specific agreements exist that require otherwise.

With publication of this product information leaflet, all previous editions cease to be valid.

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<tr>
<td>AGRIFARM UTTO VT</td>
<td>NEW Ultra High Performance Multifunctional Oil (UTTO / MFO) for use in transmission and hydraulic systems with integrated wet brakes, clutches and differentials for agricultural and construction machinery.</td>
<td>API GL-4, 2F TE-ML 06E, 06D, 06M, 07E 2F000235</td>
<td>ACTE E2, API/CF-4/CG-4/1F ALISON C-4 CAT TO-2 FORD MDZC 159R/B/C JOHN DEERE IDM 210C MASSEY FERGUSON CMS M 1145 (1144, 1143, 1139, 1135) 2F TE-ML 06C, 06P, 06Q, 06R</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super High Performance Multifunctional Oil (UTTO / MFO) for use in transmission and hydraulic systems with integrated wet brakes, clutches and differentials for agricultural and construction machinery.</td>
<td>API GL-4, SAE J300: 10W-30</td>
<td>–</td>
<td>AGCO Powerfluid B21 XL AGCO Q-186 (Whitefarm) ALISON C-4 CASE MS 1206, 1207, 1209, 1210, 1212, 1220 CLAAS/LANDINI/Same-Transmission CNH MAT 3505, 3506, 3509, 3525, 3526, 3540 FNHA-J-C-200.001-201.00 FORD MDC86-C3, EHN MDC86-B/F, MDC-144-0 JOHN DEERE IDM 210C KUBOTA UDT FLUID MASSEY FERGUSON CMS M 1145, 1148, 1141, 1135 NH 410B SAE J306: 75W-80 SDFG OT 1891 A VALTRA GS2-08 2F TE-ML 06C</td>
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<tr>
<td></td>
<td>Super High Performance Transmission Hydraulic Fluid developed as a problem-solver for tractors in which conventional UTTO oils led to noisy wet brakes.</td>
<td>API GL-4, SAE J300: 20W-30</td>
<td>–</td>
<td>AGCO Powerfluid B21 XL AGCO Q-186 (Whitefarm) ALISON C-4 CASE MS 1206, 1207, 1209, 1210, 1212, 1220 CNH MAT 3505, 3506, 3509, 3525, 3526 FNHA-J-C-200.001-201.00 FORD MDC86-C3, EHN MDC86-B/F, MDC-144-0 JOHN DEERE IDM 210C KUBOTA UDT FLUID MASSEY FERGUSON CMS M 1145, 1148, 1141, 1135 NH 410B SAE J306: 80W-85 SDFG OT 1891 A VALTRA GS2-08 2F TE-ML 06C</td>
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<td>AGRIFARM Gear Oils</td>
<td>Ultra High Performance Milking Machine Oil specially developed for use in the vacuum pumps of milking machines. It contains additives which protect against wear and corrosion and foaming. These features increase the functional reliability of such systems.</td>
<td>–</td>
<td>–</td>
<td>ALFA LAVAL WESTFALIA</td>
</tr>
</tbody>
</table>

FUCHS Oil Chooser

It could hardly be easier: Our Oil Chooser can be found at www.fuchs.com/de/en.

Simply choose your vehicle type and select the make and model. A window appears with an overview of the optimum lubricants for your vehicle. All you have to do is click on the appropriate application and you will be shown the product you require.
Forests, fields and grasslands are highly sensitive ecosystems and their modern utilization has long had to be economically viable.

Virtually all vehicles operate outdoors in one way or another, carrying all manner of resources on board such as fuels, lubricants and antifreeze. This presents a not inconsiderable danger to us and our environment in the event of a spillage or accident.

These dangers can be avoided by using special lubricants. FUCHS focuses on sustainability and economic efficiency and for this reason offers a multitude of rapidly biodegradable products for your applications.
Renolit lubricating greases are consistent lubricants made up of base oil and a specially chosen thickener. To increase certain properties, additives are added to the lubricating greases.

Renolit lubricating greases are structural elements, especially when used as long-life lubricants for lifetime lubrication.

Renolit lubricating greases are a balanced and complete package offering the ideal technical and economical solution in the largest possible number of lubricating grease applications in agriculture.

## Renolit Lubricating Greases for your Units

Lubricating greases are consistent lubricants made up of base oil and a specially chosen thickener. To increase certain properties, additives are added to the lubricating greases.

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<tr>
<td>Renolit MP Plus</td>
<td>High Performance Multipurpose EP Grease for plain and roller bearings with excellent adhesion, good corrosion protection and very good ageing stability, NLGI 2, -30 °C to +120 °C.</td>
<td>KP 2 N-30</td>
<td>ISO-L-X-CCB 2</td>
<td></td>
</tr>
<tr>
<td>Renolit FLM 2</td>
<td>EP Grease based on lithium soap and mineral oil, containing molybdenum disulphide (MoS₂). For the lubrication of commercial vehicles and machinery. NLGI 2, -30 °C to +140 °C.</td>
<td>KPF 2 N-30</td>
<td>ISO-L-X-CCB 2</td>
<td>MAN 285 LH 2</td>
</tr>
<tr>
<td>Renolit DuraFlex EP 2</td>
<td>EP High Temperature Multipurpose Grease for the long-term lubrication of plain and roller bearings, such as vehicle clutch-release bearings, highly stressed construction machinery bearings, etc., NLGI 2, -30 °C to +160 °C.</td>
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</tr>
<tr>
<td>Renolit LK-PEP 2</td>
<td>Special Grease based on lithium complex soaps for long-life applications. Good corrosion protection, thermally and mechanically stable, specially suitable for wheel bearings of cars and trucks, -30 °C to +150 °C.</td>
<td>KP 2 N-30</td>
<td>ISO-L-X-CCB 2</td>
<td>–</td>
</tr>
<tr>
<td>Renolit GP-Series</td>
<td>Standard, Multipurpose Greases based on lithium soap for the general lubricating of machines, NLGI 1, 2 and 3, -30 °C to +160 °C.</td>
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<tr>
<td>Renolit Paste PW</td>
<td>Special Paste based on calcium sulphate complex soap and mineral oil as assembly paste to avoid fretting corrosion.</td>
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</tr>
<tr>
<td>Renolit LZ 2 H</td>
<td>Highly Adhesive, Premium Performance-quality, long-life EP Grease based on lithium soap for all plain and roller bearings as well as central lubrication systems in commercial vehicles and general machinery. Excellent corrosion protection even in the presence of saltwater, NLGI 2, -30 °C to +140 °C.</td>
<td>KP 2 N-30</td>
<td>ISO-L-A-CCB 2</td>
<td>Central lubrication</td>
</tr>
<tr>
<td>Renolit CA-Z2</td>
<td>Long-term, Tacky Grease based on a special calcium soap with excellent water resistance, for the lubrication of construction and agricultural machinery, NLGI 2, -30 °C to +120 °C.</td>
<td>KP 2 N-30</td>
<td>ISO-L-A-CCBB 2</td>
<td>–</td>
</tr>
</tbody>
</table>
Every lubricant change should be preceded by expert consultation on the application in question. Only then can the best lubricant system be selected. Experienced FUCHS engineers will be happy to advise on products for the application in question and also on our full range of lubricants.

Innovative lubricants need experienced application engineers

Contact:

FUCHS SCHMIERSTOFFE GMBH
Friesenheimer Straße 19
68169 Mannheim/Germany
Phone: +49 621 3701-0
Fax: +49 621 3701-7000
E-mail: zentrale@fuchs-schmierstoffe.de
www.fuchs.com/de/en

Export Division
Friesenheimer Straße 19
68169 Mannheim/Germany
Phone: +49 621 3701-1713
Fax: +49 621 3701-7713
E-mail: export@fuchs-schmierstoffe.de
www.fuchs.com/de/en