

# AGRIFARM/PLANTO/RENOLIT

## Lubricants for Agriculture



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



# LUBRICANTS. TECHNOLOGY. PEOPLE.

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

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

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





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### Facts and figures

**Company:** FUCHS LUBRICANTS (UK) plc, part of the FUCHS Group, based in Hanley, Stoke on Trent, England.

**Certifications:** ISO 9001, ISO/TS 16949, ISO 14001, ISO 50001, OHSAS 18001, AS 9100

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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.

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.

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



## **AGRIFARM**

### **SAFETY IS OUR STRENGTH**

With AGRIFARM lubricants, you are placing your trust in a wealth of experience gathered over the course of decades. FUCHS has been active in the agricultural lubricant market for more than 70 years, both as an OEM for machine manufacturers and in the field of workshop services.

The latest innovative lubricants under the AGRIFARM brand secure maximum operational reliability of all agricultural units – from engines and transmissions, right through to hydraulics in all machines and vehicles.



## Safety during application

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 UTTO with engine performance. An overview is provided in the table below.

Aggregate	UTTO*	STOU**
Engine (with or without turbocharging)		X
Manual gearboxes	X	X
Gearboxes and gearbox-hydraulic systems with or without integrated wet brakes	X	X
Hydraulic systems	X	X
Final drives	X	X

\*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.

#### 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 function 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/spacecraft. 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 given 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 this brochure at any time and without warning, provided that no customer-specific agreements exist that require otherwise.

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

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## 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

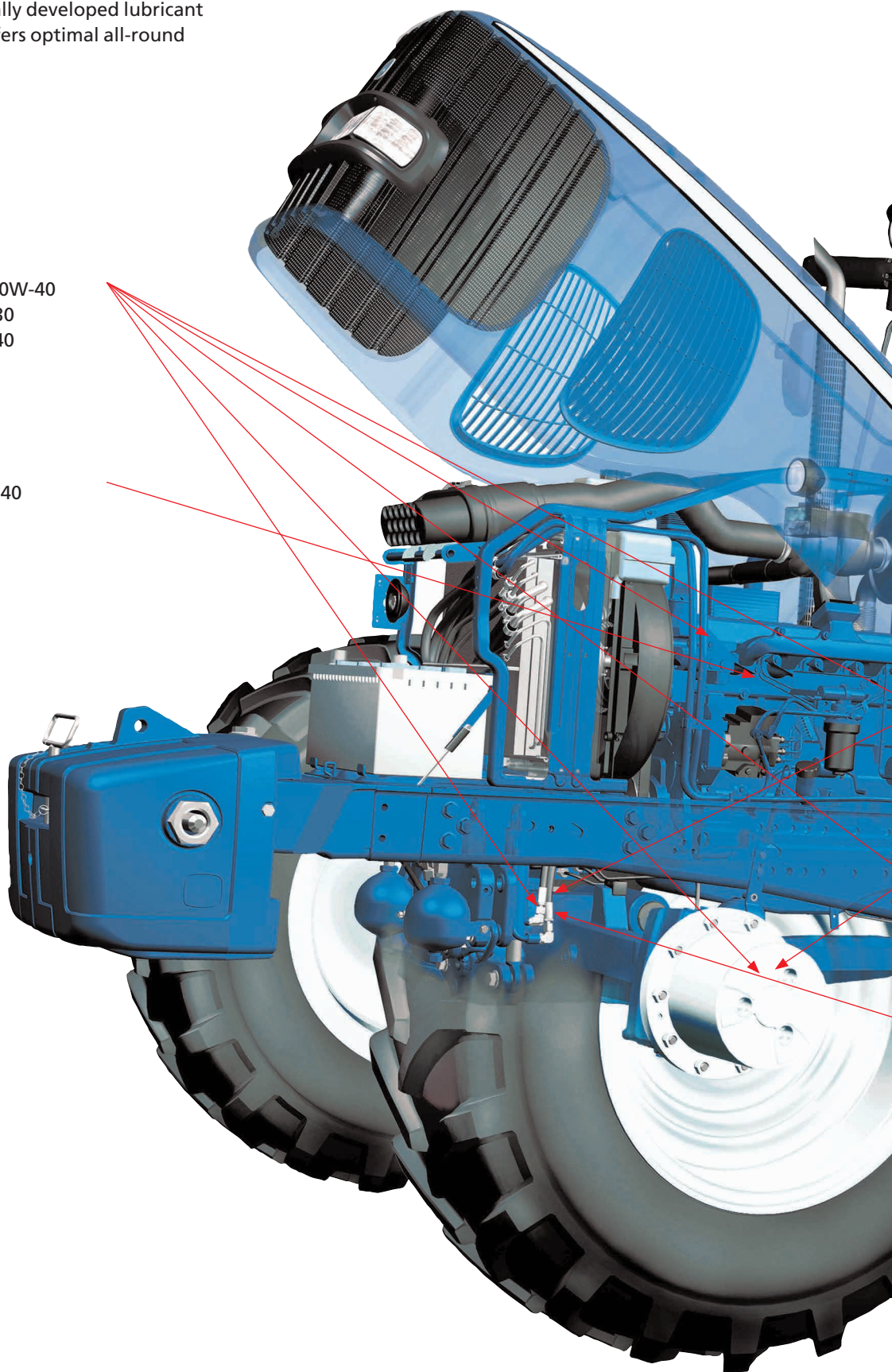
AGRIFARM STOU MC PRO SAE 10W-40  
AGRIFARM STOU MC SAE 10W-30  
AGRIFARM STOU MC SAE 10W-40  
AGRIFARM STO SAE 15W-30

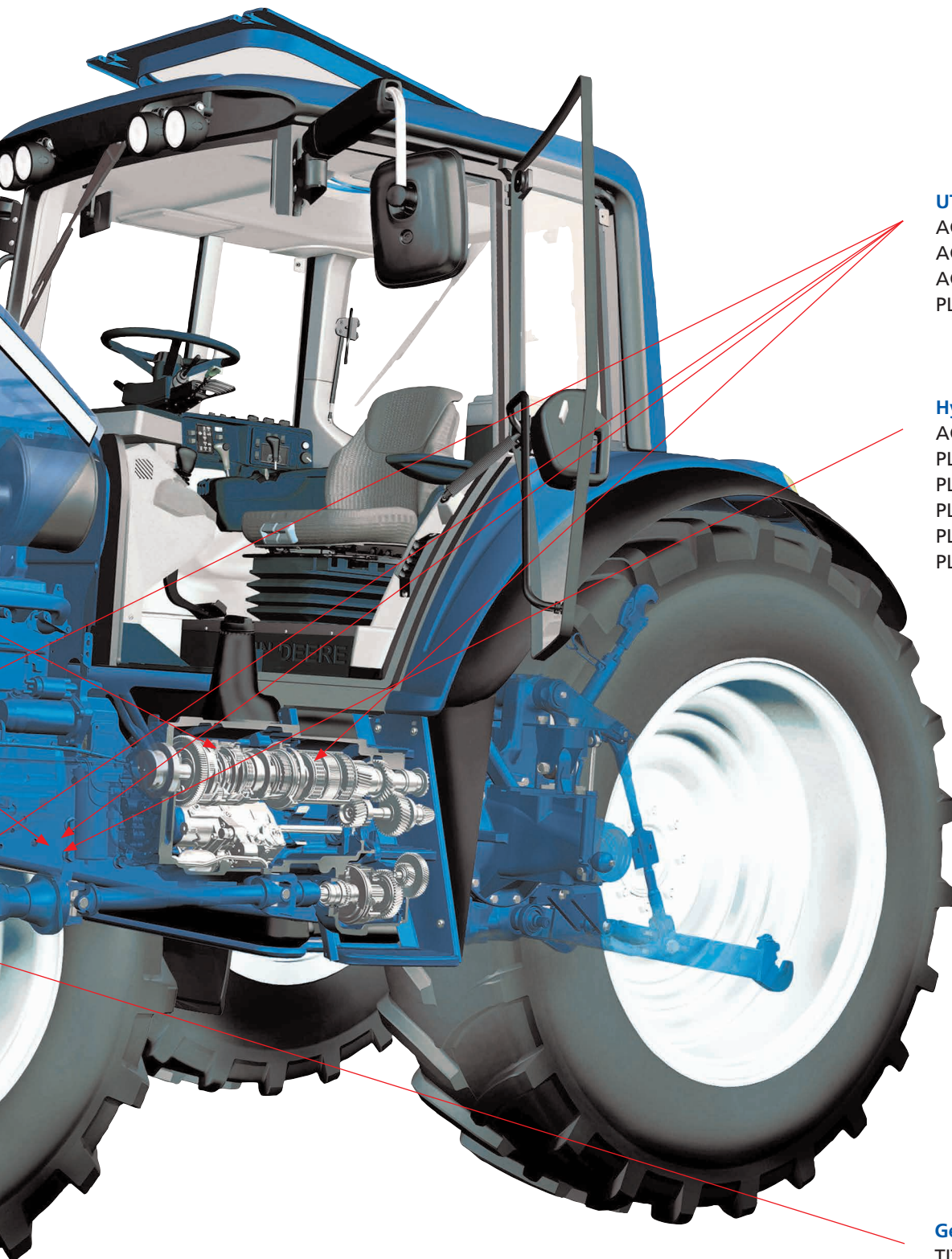
#### Engine

AGRIFARM MOT X-LA SAE 10W-40  
AGRIFARM MOT SAE 15W-40  
AGRIFARM 4-STROKE SAE 30  
PLANTO MOT SAE 5W-40

#### Greases

RENOLIT MP PLUS  
RENOLIT FLM 2  
RENOLIT DURAPLEX EP 2  
RENOLIT LX-PEP 2  
RENOLIT EP-series  
RENOLIT LZR 2 H  
RENOLIT MO 2  
PLANTOGEL ECO 2 S  
PLANTOGEL ECO 2 N





#### UTTO

AGRIFARM UTTO VT  
AGRIFARM UTTO MP  
AGRIFARM WET BRAKE OIL  
PLANTO HYTRAC PLUS

#### Hydraulic

AGRIFARM UNIVERSAL HV46  
PLANTOSYN 3268  
PLANTOSYN 3268 ECO  
PLANTOSYN 46 HVI  
PLANTOHYD S Series  
PLANTO ENVIRO Series

#### Gearbox

TITAN GEAR LS SAE 90  
TITAN GEAR HYP SAE 90



## AGRIFARM overview of products

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
AGRIFARM STOU Oils				
<b>AGRIFARM STOU MC PRO SAE 10W-40</b>	Ultra High Performance Multifunctional Oil (STOU/MFO) of the latest generation for agricultural vehicles.	SAE J300: SAE 10W-40	DEUTZ DQC III-10	ACEA E7 (E5/E3), E4, API CI-4, API GL-3/GL-4/API GL-5 in tractors* MAN 3275, AFNOR NFE 48603 HV ALLISON C-4 CASE MS 1207, 1209, 1210, 1230 CNH MAT 3505, 3509, 3525, 3526 DIN 51524-3 HVLP (-D) FNHA 2C-200.00, 201.00 FORD M2C48-C3, M2C86-B, M2C134-D, M2C159-B/C JOHN DEERE JDM J20C NEW HOLLAND 82009201/2/3 NH 030C, 330G, 330H, 410B, 420A, 526C MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 SAE J306: SAE 80W-90 ZF TE-ML 06A, 06B, 06C, 06F, 06L, 07B *without HOLMER
<b>AGRIFARM STOU MC SAE 10W-30</b>	MC-Synthesis Super High Performance Multifunctional Oil (STOU/MFO) for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in tractors and other agricultural machinery.	API GL-4 SAE J300: SAE 10W-30	DEUTZ DQC I-02 ZF TE-ML 06B, 06F, 07B (ZF000733)	AFNOR NFE 48603 HV DIN 51524-3: HVLP (-D) ACEA E3 API CG-4 ALLISON C-4 CASE MS 1207, 1209, 1210, 1230 CNH MAT 3505, 3509, 3525, 3526 FORD M2C48-C3, M2C86-B, M2C134-D, M2C159-B/C JOHN DEERE JDM J20 C NEW HOLLAND 82009201/2/3 NH 410B, 420A MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 SAE J306: SAE 75W-80 ZF TE-ML 06A, 06C
<b>AGRIFARM STOU MC SAE 10W-40</b>	Super High Performance Multifunctional Oil (STOU/MFO) based on MC-base-oil technology for engines, manual gearboxes, wet brakes, hydraulics and turbo-drives in tractors and other agricultural and other commercial vehicles.	API GL-4 SAE J300: SAE 10W-40	DEUTZ DQC I-02 FENDT KDM 17/2012 ZF TE-ML 06B, 06F, 07B (ZF000729)	API GL-5 in tractors* ACEA E3 API CG-4 MAN 271 AFNOR NFE 48603 HV ALLISON C-4 CASE MS 1207, 1209, 1210, 1230 CNH MAT 3505, 3509, 3525, 3526 DIN 51524-3: HVLP (-D) FORD M2C134-D, M2C159-B/CM FNHA 2C-200.00, 201.00 FORD M2C48-C3, M2C-86 B JOHN DEERE JDM J20C NEW HOLLAND 82009201/2/3 NH 030C, 330G, 410B, 420A, 526C MASSEY FERGUSON CMS M 1145, 1144, 1143, 1139, 1135 SAE J306: SAE 80W-90 ZF TE-ML 06A, 06C, 06L *without HOLMER
<b>AGRIFARM STO SAE 15W-30</b>	A multifunctional oil for use in engines, gearboxes, wet brakes and hydraulic systems of older agricultural equipment.	API CD/SF API GL-4	—	ALLISON C3 FORD M2C159-B JOHN DEERE J20A MASSEY FERGUSON M1135 MASSEY FERGUSON M1139 VICKERS HYDRAULIC



Brand name	Description	Specifications	Approvals	FUCHS Recommendations
<b>AGRIFARM Engine Oils</b>				
<b>AGRIFARM MOT X-LA SAE 10W-40</b> <b>NEW</b>	Premium Performance Engine Oil for agricultural vehicles. Universal engine oil for application in modern vehicles with exhaust after treatment as well as in older vehicles. Best engine cleanliness & outstanding wear protection.	ACEA E9/E7/E6/E4 API CJ-4/ CI-4 PLUS/CI-4/ CH-4 CAT ECF-3	DEUTZ DQC IV-10 LA (incl. TTCD) MB-APPROVAL 228.51	CNH MAT 3521 CUMMINS CES 20081
<b>AGRIFARM MOT SAE 15W-40</b>	Super High Performance Engine Oil for normally aspirated and turbocharged diesel engines in tractors and other machinery which make high demands on service intervals and engine cleanliness.	ACEA E7 API CI-4/SL GLOBAL DHD-1 CAT ECF-1-a/ECF-2	DEUTZ DQC III-10 MB-APPROVAL 228.3	ALLISON C-4, CAT TO-2, CASE MS 1121 CUMMINS CES 20071/2/6/7/8 DETROIT DIESEL 93K215 IVECO 18-1804 CLASSE T2 E7 MACK EO-N, MAN M 3275-1 MTU DDC TYPE 2, NH 330H RENAULT RLD/RLD-2 STEYR A-201, VOLVO VDS-3
<b>AGRIFARM 4-STROKE 30</b>	A high performance SAE 30 mineral oil based monograde engine oil. Suitable for use in certain 4-stroke petrol and diesel engines.	API CF/SG	–	MAN 270 MB 227.0/228.0
<b>AGRIFARM UTTO Oils</b>				
<b>AGRIFARM UTTO VT</b> <b>NEW</b>	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.	API GL-4	ZF TE-ML 06B, 06D, 06N, 07B (ZF002035)	ACEA E2 API CF-4/CG-4/SF ALLISON C-4 CAT TO-2 FORD M2C 159-B/C JOHN DEERE JDM J20C, JDM J27 MASSEY FERGUSON CMS M 1145 (1144, 1143, 1139, 1135) SAE J300: 10W-30, SAE J306: 80W-80 ZF TE-ML 06C, 06F, 06Q, 06R
<b>AGRIFARM UTTO MP</b>	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.	API GL-4	ZF TE-ML 03E, 05F, 06K, 17E, 21F (ZF002183)	AGCO Powerfluid 821 XL AGCO Q-186 (Whitefarm) ALLISON C-4, CASE MS 1230, 1210, 1209, 1207, 1206 CLAAS/LANDINI/SAME-Transmission CNH MAT 3505, 3506, 3509, 3525, 3526, 3540 FNHA-2-C-200.00/-201.00 FORD M2C48-C3, ESN M2C86-B/C, M2C134-D, JOHN DEERE JDM J20C KUBOTA UDT FLUID MASSEY FERGUSON CMS M 1145, 1143, 1141, 1135, NH 410B SAE J306: 75W-80, SAE J300: 10W-30 SDFG OT 1891 A VALTRA G02-08
<b>AGRIFARM WET BRAKE OIL</b>	A 15W-30 Universal Tractor Transmission oil (UTTO) for use in older agricultural equipment where the specifications quoted are required. Can help quieten noisy brakes.	SAE 15W-30	–	FORD M2C86-B, M2C86-C JOHN DEERE J20A MASSEY FERGUSON M1135

## AGRIFARM overview of products

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
AGRIFARM Specialities				
<b>AGRIFARM ATV 10W-40</b>	A super high performance 4-stroke engine oil designed specifically for use in All Terrain Vehicles (ATV) and Quadbikes fitted with wet clutches. Can be used in normally aspirated or turbo charged petrol and diesel engines.	–	–	JASO MA2 / MA API SN ACEA A3/B4
<b>AGRIFARM CHAINSAW OIL MEDIUM</b>	A high viscosity, extremely tacky oil for use in pressure fed chainsaws. Excellent anti-fling properties, reduces chain wear and protects from corrosion.	–	–	–
<b>AGRIFARM MILKING MACHINE OIL</b>	Ultra High Performance Milking Machine Oil specially developed for use in the vacuum pumps of milking machines. It contains additives which protect against wear and corrosion and foaming. These features increase the functional reliability of such systems.	–	–	ALFA LAVAL WESTFALIA
<b>AGRIFARM UNIVERSAL 2-STROKE OIL</b>	A super high performance 2-stroke engine oil. Ideal for agricultural and horticultural machinery, chain saws, hedge cutters, trimmers, portable generators, etc.	API TC JASO FB	–	–
<b>AGRIFARM UNIVERSAL HV46</b>	A premium quality multipurpose multigrade hydraulic oil for use in hydraulic systems on tractors, combine harvesters and other agricultural applications. Good antiwear, antifoam, antirust and antioxidant properties ensure long oil life.	DIN 51 524-3 HVLP ISO 6743-4 HV	–	Denison HF-O
<b>TITAN GEAR LS SAE 90</b>	High performance EP gear oil with Limited Slip capability. Suitable for use in axles with or without limited slip and in some manual gearboxes.	API GL-5 SAE J306: 85W-90	ZF TE-ML 05C, 12C, 16E, 21C (ZF000651)	Mil-L-2105D Ford M2C104-A John Deere JDM J11F NH 520B Volvo 97310
<b>TITAN GEAR HYP 90</b> Also available as an SAE 85W-140	High performance mineral EP gear oil for use in hypoid axles and certain transmissions where an oil meeting these specifications is required.	API GL-5 SAE J306: 85W-90	MAN 342 TYPE M1 MB-APPROVAL 235.0 ZF TE-ML 16C, 17B, 19B, 21A (ZF000656)	Ford SR-M2C9102-A John Deere JDM J11E Volvo 97310 ZF TE-ML 07, 08



# FUCHS Oil Chooser

## It could hardly be easier:

Our Oil Chooser can be found at [www.fuchs.com/uk](http://www.fuchs.com/uk).

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.



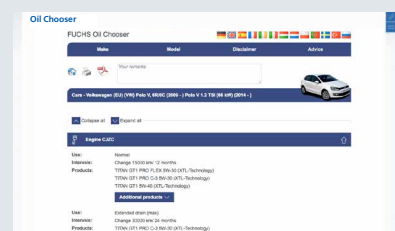
Direct link to  
FUCHS Oil Chooser



Quick overview of all information



All vehicle types available



User friendly operation



## PLANTO REAL BIOGENIC LUBRICANTS



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.



## PLANTO overview of products

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
Rapidly Biodegradable Lubricants				
<b>PLANTO MOT SAE 5W-40</b>	Super High Performance SAE 5W-40 Diesel Engine Oil. Rapidly biodegradable and specially recommended for use with alternative diesel fuels.	API CF-4 / SG	—	—
<b>PLANTOSYN 3268*</b> EU Ecolabel DE/027/149	Environmentally Friendly, HVI Multigrade Hydraulic Oil with high temperature stability based on fully-saturated, synthetic esters (HEES), rapidly biodegradable according to OECD 301 B >60 %, awarded with the EU Ecolabel.	ISO 15380: HEES DIN 51524-3: HVLP DIN 51519: ISO VG 46	FENDT O&K BAUMASCHINEN ECOLABEL	BOSCH REXROTH AG CAT BF-1 KRAMER ALLRAD PALFINGER SAUER DANFOSS TIMBERJACK VALMET/KOMATSU FOREST PONSSE
<b>PLANTO HYTRAC PLUS</b>	Biodegradable Super High Performance Multifunctional Oil (UTTO) for tractor gearboxes with or without wet brakes.	SAE 10W-30 SAE 80	—	Several makes of tractors
<b>PLANTO TAC 68*</b> EU Ecolabel DE/027/112	Biodegradable Super High Performance Chain Saw Oil based on rapeseed. For professional use in chain saws. Excellent lubricity and good ageing stability, awarded with the EU Ecolabel.	—	ECOLABEL	Husqvarna Stihl Solo Dolmar and others
<b>PLANTOGEL ECO 2 S* (based on synthetic esters)</b> EU Ecolabel DE/027/114	Environmentally Friendly, Readily Biodegradable EP Grease based on lithium soap and synthetic esters for the lubrication of plain and roller bearings. Good pumpability in central lubrication systems, awarded with the EU Ecolabel, NLGI 2, -40 °C to +120 °C.	—	ECOLABEL	—
<b>PLANTOGEL ECO 2 N* (based on rape oil)</b> Also available in NLGI grade 1. EU Ecolabel DE/027/113	Environmentally Friendly, Readily Biodegradable Total Loss Lubricating Grease based on calcium soap and rape seed oil, awarded with the EU Ecolabel, NLGI 2, -20 °C to +70 °C.	—	ECOLABEL	—
<b>PLANTOSYN 46 HVI</b>	Environmentally friendly, high performance multigrade hydraulic oil based on saturated synthetic esters.	ISO 15380: HEES European Ecolabel (EEL)	ISO VG 46	—
<b>PLANTOHYD S SERIES*</b>	Environmentally friendly, high performance multigrade hydraulic oils based on synthetic esters.	ISO 15380: HEES European Ecolabel (EEL)	ISO 15, 22, 32, 46 and 68	—
<b>PLANTO ENVIRO SERIES</b>	Environmentally friendly, high performance hydraulic oils based on synthetic esters.	ISO 15380: HEES EEL 2005/360/EG	ISO VG 32 and 46	—



## **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.

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.



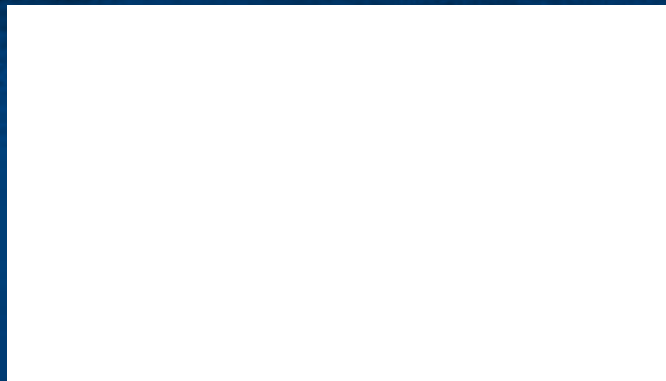
## RENOLIT overview of products

Brand name	Description	Specifications	Approvals	FUCHS Recommendations
<b>Greases</b>				
<b>RENOLIT MP PLUS</b> Only available for use in FUCHS system grease guns.	High Performance multipurpose EP Grease for plain and roller bearings with excellent adhesion, good corrosion protection and very good ageing stability, NLGI 2, -30 °C to +120 °C.	KP 2 K-30 ISO-L-X-CCEB 2	—	—
<b>RENOLIT FLM 2</b> Also available for use in FUCHS system grease guns. Also in NLGI grade 0 available.	EP Grease based on lithium soap and mineral oil, containing molybdenum disulphide (MoS <sub>2</sub> ). For the lubrication of commercial vehicles and machinery. NLGI 2, -30 °C to +140 °C.	KPF 2 N-30 ISO-L-X-CDEB 2	MAN 285 Li-PF 2	—
<b>RENOLIT DURAPLEX EP 2</b> Also available for use in FUCHS system grease guns. Also in NLGI grade 1 and 3 available.	EP High Temperature Multipurpose Grease for the long-term lubrication of plain and roller bearings, such as vehicle clutch-release bearings, highly-stressed construction machinery bearings, etc., NLGI 2, -30 °C to +160 °C.	—	—	—
<b>RENOLIT LX-PEP 2</b> Also in NLGI grade 1-2 and 3 available.	Special Grease based on lithium complex soaps for long-life applications. Good corrosion protection, thermally and mechanically stable, specially suitable for wheel bearings of cars and trucks, -30 °C to +150 °C.	KP 2 N-30 ISO-L-X-CDEB 2	MAN 284 Li-H 2 MB-APPROVAL 265.1 SCHAEFFLER DB-Kenndatenblatt 873 499 ZF TE-ML 12 VW TL 52147X INTERPRECISE	—
<b>RENOLIT EP-SERIES</b>	Standard, Multipurpose Greases based on lithium soap for the general lubricating of machines, NLGI 000, 00, 0, 1 and 2, -30 °C to +160 °C.	—	—	—
<b>RENOLIT LZR 2 H</b>	Highly Adhesive, Premium Performance-quality, Long-life EP Grease based on lithium soap for all plain and roller bearings as well as central lubrication systems in commercial vehicles and general machinery. Excellent corrosion protection even in the presence of saltwater, NLGI 2, -30 °C to +140 °C.	KP 2 N-30 ISO-L-X-CDIB 2	Central lubrication system of BAIER & KÖPPEL LINCOLN and SKF Lubrication Solutions	—
<b>RENOLIT MO 2</b>	A multipurpose lithium based grease with the addition of molybdenum disulphide and other additives to aid boundary lubrication and reduce fretting wear and corrosion.	NLGI 2	—	—

## Innovative lubricants need experienced application engineers

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.


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