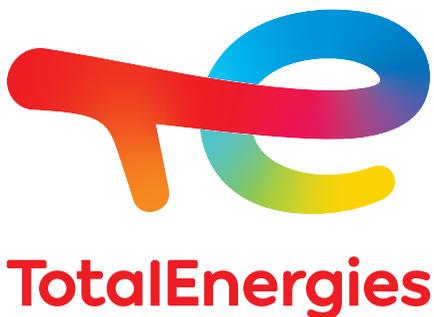




Your daily partner

Tailor-made lubricants for agriculture

Our Agri Range is the exclusive solution to address your most demanding Agricultural market needs.



New bottle

Better precision, less oil loss

No more splashes or leaks when pouring your lubricant. The caps have been redesigned for a simple and efficient use.

User-friendly handle

The new big side handle has been rethought to facilitate the carrying and pouring of the product.

New dashboard concept

Introduction of a new label design inspired by car dashboards, with panels that display product marketing and technical information (educational pictograms, product features, clear viscosity grade, technical profil indication).

Product's features and/or benefits



QR Code

A new QR Code to allow product identification by the customer and prevent counterfeit product.

Viscosity grade

Main technical specifications

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* Universal Tractor Transmission Oil

** Super Tractor Oil Universal

About us



**AGRI
RANGE**

About TotalEnergies Lubricants

TotalEnergies is a leading global manufacturer and marketer of lubricants. It has **42 production plants** worldwide, **more than 5,800 employees** and distributes its products in **160 countries**. The Lubricants activity of TotalEnergies offers innovative, efficient and environmentally responsible products and services developed at its R&D centers by **more than 130 researchers**. TotalEnergies is a partner of choice for the automotive, industrial and marine markets.

About TotalEnergies

TotalEnergies is a broad energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity. Our **105,000 employees** are committed to energy that is ever more affordable, clean, reliable and accessible to as many people as possible. Active in more than **130 countries**, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people.

About the Marketing & Services division of TotalEnergies

TotalEnergies' Marketing & Services business segment offers its professional and private customers a wide range of broad energy products and services - petroleum products, biofuels, charging and related services for electric vehicles, gas for road and maritime transportation - to support them in their mobility and help them reduce their carbon footprint. Every day, over **8 million customers** visit our **16,000 service-stations** all over the world. As the world's number four in lubricants, we design and sell high-performance products for the automotive, industrial and maritime sectors. And to provide the best response to the needs of our B2B customers, we deploy our sales forces, our international logistics network and our diverse offering. We operate in **107 countries**, where our **31,000 employees** stand close to all of our customers.

Our Agri Range, Partnering Agriculture for over 60 years

At TotalEnergies, we strongly believe that each market deserves a dedicated range of products. Our Agri Range is our exclusive solution to address your demanding Agricultural market needs.

Our products are tested and approved by Major Agricultural & Heavy Vehicle Manufacturers (Original Equipment Manufacturers – OEMs).

These product approvals are the official guarantee proving that our Agri products are 100% compatible with the equipment and technology of these related manufacturers.

Premium products and tailor-made solutions to increase your operational efficiency. TotalEnergies increases uptime and lowers maintenance costs thanks to:

- Our premium products, designed from years of research, tested in real world conditions during fleet tests and approved by OEMs.
- LubAnac agri preventive maintenance tool, based on used oil analysis and supported by our technical teams on the field.

TotalEnergies develops tailor-made lubricants in its state of the art R&D centers in France and India. Products are developed in close collaboration with Agricultural and Heavy Vehicle Manufacturers in order to meet their sophisticated and most demanding technical requirements.



Our Agri Range takes care of your equipment

With decades of experience in the sector, our Agri Range offers a complete solution of innovative products covering all types of application:



Tractagri,
Lubricants
for Engines



Dynatrans,
Lubricants for
Transmissions
(UTTO and Axles)



Multagri,
(Multifunctional
Lubricants)



Hydragri,
Hydraulics Fluids



Prosylva,
Lubricants for Home
farming/Gardening



Prosylva Chain,
Lubricants for
Chainsaws



A-Grease,
Greases for
Agriculture



**Specialty
Products,**
Lubricants for
Milking Machines,
Coolants, etc.



Our Agri Range, a solution of high technology lubricants designed to keep your agricultural equipment not just operating but out-performing in all conditions and in all seasons.



Expertise:

Our Agri Range is tailored to meet the technological requirements of the latest farming equipment and also the ones from earlier generations.



Performance:

Our Agri Range is developed to not only meet but exceed international standards requirements; leading to lower maintenance costs and higher uptime of your machinery. Especially during the harvesting season.



Innovation:

Our Agri Products are designed from years of research. Our Fuel Economy lubricants and Bio-lubricants are an environmental and cost-effective response to the demands of the industry, constantly in need of reliable equipment, which also complies with environmental regulations.

Tractagri

Lubricants for Engines



Engine Longevity: Protection against mechanical wear

Tractagri products are developed with special molecules forming a strong film over metal surfaces, reducing mechanical wear in the presence of high pressure and extreme temperatures, improving engine longevity.



Smoother and efficient engines: Better engine cleanliness

Tractagri's advanced technology prevents formation of harmful deposits by keeping them dispersed. The products improve the longevity of the engine and make it run in a smoother and more efficient way.



Longer oil change intervals: Resistance against oxidation

Synthetic base oils with outstanding anti-oxidant additives increase Tractagri products' resistance to oxidation, even under extreme temperatures, thus extending oil drain intervals.



Lower Oil Consumption: Enhanced evaporation rate

Thanks to their low evaporation rate, Tractagri products directly contribute to reduce oil consumption.



Fuel economy properties: Excellent protection even with low viscosities

Engine oils can provide Fuel Economy gains via viscosity control and friction reduction. Lowering the lubricant's viscosity reduces the overall friction in the engine, delivering Fuel Economy benefits. The Tractagri FE range is approved by Heavy Vehicle Manufacturers for use in their engines to achieve their Fuel Economy targets.



Equipment Longevity, reduced maintenance costs: Compatibility with exhaust gas after treatment systems

With their "low-SAPS" (low sulphated ash, phosphorus and sulphur) technology, Tractagri products prevent the clogging of diesel particulate filters (DPFs) and protect diesel engines equipped with post-treatment systems, reducing maintenance costs and protecting the environment.

Tractagri Lubricants for Engines



Ready for the next chapter of engine technology

Approved by Agricultural Manufacturers, Tractagri products offer excellent engine and after treatment systems protection, with extended drain intervals, for both the latest and former engines.

Benefits of using Tractagri Engine Oil:

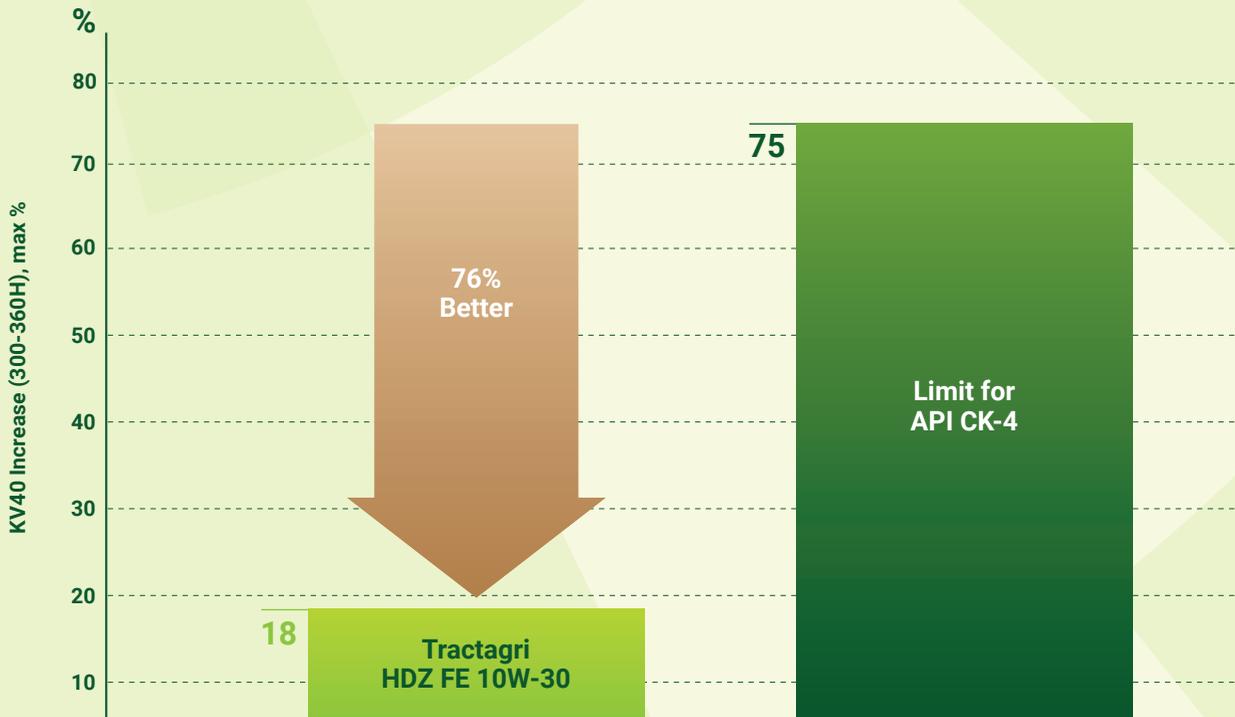
- Increased uptime and lower maintenance costs
- Exceed API and ACEA specification
- Outstanding protection against mechanical wear
- Lower oil consumption

Tractagri products' formulations contain the perfect combination of strong anti-oxidant molecules. These molecules prevent unanticipated formation of deposits and keep the hydrocarbon chains intact. As a result, the engine oil viscosity remains stable much longer.

Up to 76% improvement against oil viscosity increase compared to API CK-4 industry Limits.*

*Volvo T13 (KV40 increase 300-360h)

Volvo T-13 Oxidation test



Tractagri Products

Product name	Grade	Application
Tractagri S5R FE	5W-30	Advanced synthetic technology, with Low SAPS and Fuel Economy* benefits. Engine Oil developed as a rationalization solution for Agricultural machinery, with or without Diesel particulate filters. Tractagri S5R is an all in one solution suitable for all engines from any brand or type (Stage V, Tier 4 engines and below).
Tractagri S5R	10W-40	* For Tractagri S5R FE
Tractagri HDZ FE	10W-30	Synthetic technology, with Low SAPS and Fuel Economy* benefits. Lubricant specially developed for agricultural machinery engines, with or without Diesel particulate filters. * For Tractagri HDZ FE
Tractagri HDZ	10W-40	
Tractagri HDZ	15W-40	
Tractagri HDX FE	10W-30	Advanced technology lubricant, with Fuel Economy technology* for engines operating in all conditions and in all seasons.
Tractagri HDX	15W-40	* For Tractagri HDX FE
Tractagri HDM	15W-40	Advanced technology lubricant for naturally-aspirated or turbocharged engines used in older generations of tractors and agricultural machines.

Tractagri Products		International Specifications		OEM Homologations (Original Equipment Manufacturers)	
Product name	Grade	ACEA	API	Approvals	Meets the requirements of
Tractagri S5R FE 	5W-30	E4, E6, E7, E8, E9, E11	CK-4	Deutz DQC IV-18 LA Volvo VDS-4.5 MB-Approval 228.51/228.52 MAN M 3677/M 3775	Caterpillar ECF-3/ECF-2/ECF-1-a Cummins CES 20086 DEUTZ TTCD
Tractagri S5R 	10W-40	E4, E6, E7, E8, E9, E11	CK-4	Deutz DQC IV-18 LA Volvo VDS-4.5 MB-Approval 228.51/228.52 MAN M 3775	Caterpillar ECF-3/ECF-2/ECF-1-a MAN M 3477 DEUTZ TTCD Cummins CES 20086
Tractagri HDZ FE 	10W-30	E7, E9, E11	CK-4	Cummins CES 20086 Deutz DQC III-18 LA MB-Approval 228.31 MAN M 3775 Volvo VDS-4.5	Caterpillar ECF-3/ECF-2/ECF-1-a
Tractagri HDZ 	10W-40	E7, E9, E11	CK-4/SN		Caterpillar ECF-3/ECF-2/ECF-1-a
Tractagri HDZ 	15W-40	E7, E9, E11	CK-4/SN		Caterpillar ECF-3/ECF-2/ECF-1-a
Tractagri HDX FE 	10W-30	E7	CI-4	Cummins CES 20078 Deutz DQC III-18 MB-Approval 228.3	Cummins CES 20077/20076 Caterpillar ECF-2/ECF-1-a Case MS 1121 CNH MAT 3507 Volvo VDS-3 New Holland NH 324H
Tractagri HDX 	15W-40	E7	CI-4/SL	Cummins CES 20078 Deutz DQC III-18 MB-Approval 228.3 Volvo VDS-3	Caterpillar ECF-2/ECF-1-a Case MS 1121 Cummins CES 20077/20076 CNH MAT 3507 New Holland NH 330H MAN M 3275
Tractagri HDM 	15W-40		CF-4/SG		MAN 271 MB 228.1 DEUTZ DQC I-02

Dynatrans

Lubricants for Transmissions



- UTTO (Universal Tractor Transmission Oil)
- Axle Lubricants

Dynatrans products are high performance lubricants for agricultural tractors transmissions (UTTO and axles)

Approved by the Agricultural and Equipment manufacturers, Dynatrans ranges are developed to cover all types of applications, and provide outstanding performances.

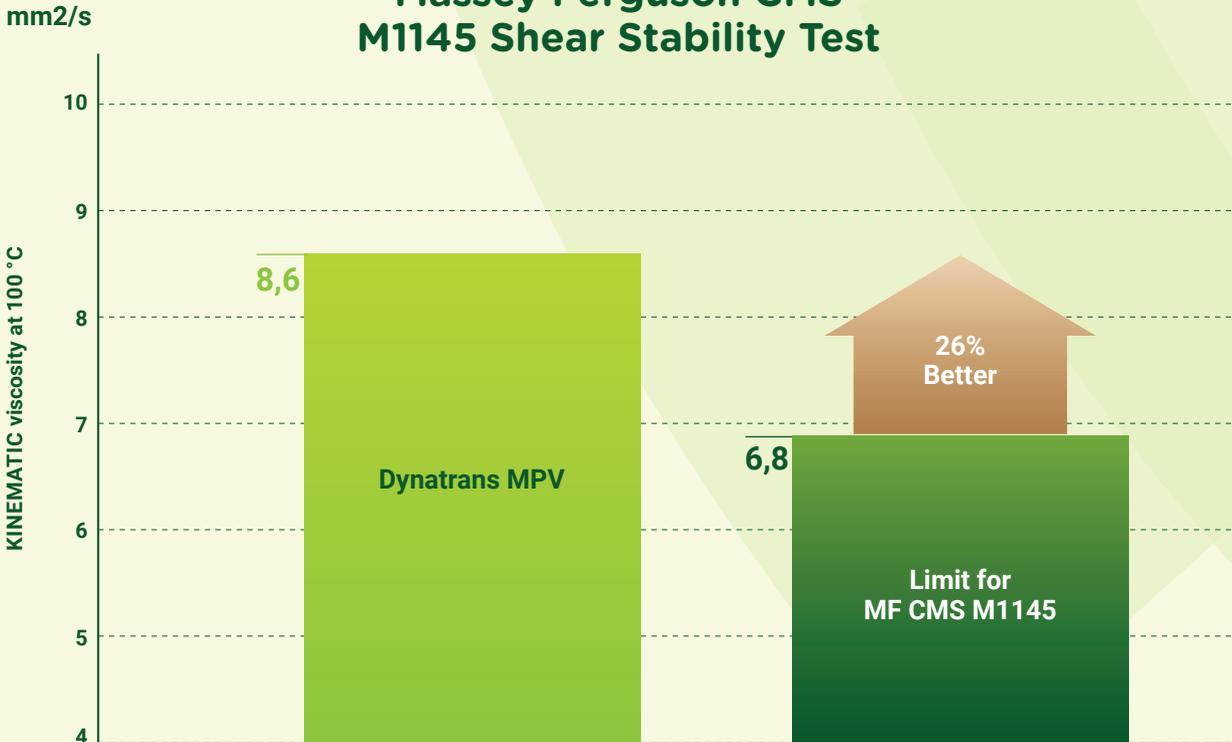
Zoom on Dynatrans MPV

Thanks to its advanced technology, Dynatrans MPV has a superior oxidation stability and shear resistance compared to the industry limits. As a result the machine's performance and lifetime can be extended.

Shear stability up to 26% higher compared to industry Limits.*

*MF CMS M1145 KRL 20h

Massey Ferguson CMS M1145 Shear Stability Test



UTTO Range

Dynatrans Products	Application	International Specifications	OEM Homologations (Original Equipment Manufacturers)
Dynatrans VZ FE 	<p>Synthetic technology UTTO. High performance lubricant, dedicated to Agricultural machinery axles, transmissions and hydraulic circuits.</p> <p>Extra benefits: Fuel Economy/Excellent resistance under extreme temperatures</p>	API GL-4	Manufacturers' approvals: Massey F. CMS M1145 Valtra G2-B10
Dynatrans MPX	<p>Advanced technology UTTO. Lubricant for transmissions with oil immersed disc brakes and hydraulic systems used on agricultural tractors and handling equipment.</p> <p>Extra benefits: Wide range of applications/ Outstanding oxidation stability and shear resistance</p>	API GL-4	Manufacturers' approvals: ZF TE-ML 03E/05F/06D/06K 06N/06R/17E/21F Valtra G2-08 Volvo CE WB 101 DANA-OHTM-UTTO Suitable for Kubota UDT
Dynatrans MPV	<p>Advanced technology UTTO. Lubricant for transmissions equipped with oil-immersed disk brakes and hydraulic systems on agricultural tractors.</p> <p>Extra benefits: Wide range of applications. Excellent performances under both low and high temperatures</p>	API GL-4	Manufacturers' approvals: Massey F. CMS M1145 Valtra G2-08 ZF TE-ML 03E/03L/05F/ 06P/17E/21F Volvo CE WB 101 Suitable for Claas
Dynatrans LS 20W-40	<p>Advanced technology UTTO. Lubricant for transmissions equipped with oil-immersed disk brakes and hydraulic systems on agricultural tractors.</p> <p>Extra benefits: High viscosity/Strong performances under really hot temperatures</p>	API GL-4	Manufacturers' approvals: ZF TE-ML 05F/06K/17E/21F
Dynatrans CVT 10W-30	Lubricant specially developed for continuously variable transmission technology.	API GL-4	Manufacturers' approvals: Massey F. CMS M1145 ZF TE-ML 06F
Biotrans FX 	Fully synthetic UTTO. Very high quality biodegradable lubricant for transmissions equipped with wet disk brakes for agricultural machinery.	API GL-4 ISO 15380: HEES	Manufacturers' approvals: Massey F. CMS M1145 ZF TE-ML 06P
Dynatrans FR	Lubricant specifically developed for graphite brake discs.	API GL-4	Meets the requirements of: Claas / Renault Agriculture Massey F. CMS M1135/M1141 New Holland NH 420A Ford WSS-M2C 86B/86C
Dynatrans WS 75W-90	Fully synthetic UTTO. Lubricant for transmissions operating at very low and very high temperatures equipped with wet brakes for agricultural machinery.	API GL-4 ISO VG : HV 100	Suitable for: Massey F. John Deere CASE New Holland AGCO...

Axles Range

Dynatrans Products	Application	International Specifications	OEM Homologations (Original Equipment Manufacturers)
Dynatrans HD 80W-90	Advanced technology lubricants. Lubricants for heavily loaded axles installed on agricultural machinery.	API GL-5 MIL-L-2105D	ZF TE-ML 05A/12E/16B/ 17B/19B/21A
Dynatrans HD 85W-140			ZF TE-ML 05A/12E/16D/21A
Dynatrans LS 80W-90	Advanced technology lubricant. Lubricant for axles equipped with limited slip disc differential systems.	API GL-5 LS MIL-L-2105D	ZF TE-ML 05C/21C
Biotrans LS FE 75W-90  	Fully synthetic lubricant. Very high performance synthetic biodegradable lubricant, coming from renewable raw materials, dedicated to final drives and axles with or without limited slip differentials.	API GL-5 LS MIL-L-2105D	Suitable for: Liebherr Volvo CE Terex CASE New Holland JCB CLAAS Renault Agriculture Deutz

Multagri

Multifunctional Lubricants (STOU)

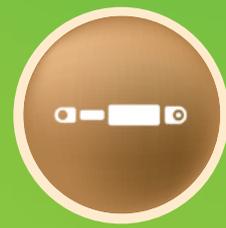


Multagri products are multifunctional lubricants: STOU (Super Tractor Oil Universal). Exclusively developed for the Agricultural segment, Multagri products provide an all in one solution to lubricate systems: Engine (up to API CG-4/ACEA E3), Gearbox, Axles with oil immersed brake discs and Hydraulic lift.



Multagri Products		International Specifications			OEM Homologations (Original Equipment Manufacturers)	
Product name	Application	ACEA	API (engine)	API (transmissions)	Approvals	Meets the requirements of
Multagri Pro-Tec 10W-40	Last generation multi-purpose lubricant of a non-conventional ultra high performance base for the lubrication of the mechanical components of tractors, agricultural machinery and related equipment in all seasons.	E3	API CG-4/SF	API GL-4	Massey F. CMS M1145	Engines: Ford M2C 159B3 Massey F. CMS M1139/M1144 John Deere JDM J27 Transmissions: Case MS 1206/1207 John Deere JDM J20A/J20C Ford M2C86A/M2C134C/ M2C134D FNHA 2C 201.00 Massey F. CMS M1127A/ M1135/M1143 Automatic transmissions: Caterpillar TO-2 Allison C-4
Multagri MS 15W-40	Multipurpose lubricant intended for the lubrication of the various components of agricultural tractors and harvesters, in all seasons.	E2	API CF-4/CE/SF	API GL-4	ZF TE-ML 06B/07B	Engines: Ford M2C 159B3 Massey F. CMS M1139/M1144 John Deere JDM J27 Transmissions: John Deere JDM J20A/J20C Ford M2C86A/M2C134D FNHA 2C 201.00 Massey F. CMS M1127A/ M1135/M1143 Automatic transmissions: Caterpillar TO-2 Allison C-4
Multagri Super 10W-30			API CF-4/CE/SF	API GL-4	Massey F. CMS M1145	

Hydragri Lubricants for Hydraulics



CUTTING-EDGE LUBRICANTS TECHNOLOGY

Hydragri is a range of advanced technology hydraulic fluids dedicated to Agricultural equipment. Thanks to their highly technical formulations and numerous international specifications, Hydragri range covers a wide range of uses.

As complementary ranges, Hydroflo and Biohydran are also adapted for Agricultural machinery.



Hydraulics Products			International Specifications
Product name	ISO VG	Application	OEM Homologations (Original Equipment Manufacturers)
Hydroflo CT	46	High Performance, shear stable multi-grade hydraulic fluid with increased anti-wear performance, specially designed for hydrostatic and hydraulic systems exposed to great variations in temperature. Its blue color makes it easier to gauge the fluid level and to detect leaks.	ISO 6743-4 HV DIN 51524-3 HVLP AFNOR NF E48-603 HV
Hydragri	46	High performance hydraulic fluids, specially developed for Agricultural equipment.	AFNOR NF E48-603 HV ISO 6743-4 HV, 11158 HV DIN 51524-3 HVLP
	68		Meets the requirement of : ZF TE-ML 07H Vickers M-2950-S/I-286-S
Biohydran SE 	32	Highly thermally stable biodegradable hydraulic fluid.	ISO 15380: HEES DIN 51524 (for mineral oils): except DIN 51587 and ISO 13357 AFNOR FR/27/02 Swedish Standard SS 15 54 34 JCMAS HKB Manufacturers' approvals: Denison HF1/HF2/HF6
	46		
	68		

APPROVED BY AGRICULTURAL MANUFACTURERS

Prosylva

Lubricants for Home Farming and Gardening



Prosylva is our range of advanced technology lubricants for Home Farming and Gardening.

Prosylva Products			International Specifications
Product name	Grade	Application	Standards
Prosylva 2T SYN		Synthetic based technology lubricant designed for very high speed 2-stroke engines used in mechanized farm equipment.	API TC JASO FD ISO L-EGC/EGD (detergency level)
Prosylva 2T Z		Advanced technology lubricant designed for 2-stroke engines used in mechanized farm equipment.	API TC JASO FB ISO L-EGB
Prosylva 4T	15W-40	Advanced technology lubricant designed for 4-stroke gasoline and diesel engines in professional mechanized farming equipment.	API SG/CF-4



Prosylva Chain

Lubricants for Chainsaws



Prosylva Chain is our range of lubricants suitable for chainsaw chains for the lost oil lubrication of fast-moving machinery: wood chainsaw chains, conveyor belts, etc.

- Reduced splattering
- Reduced oil consumption
- Significantly reduced wear

Prosylva Chain Products			Technical Characteristics
Product name	ISO VG	Application	Customer benefits
Prosylva Chain Classic	100	Mainly adapted to the lubrication of mechanical chainsaws installed in wood cutting machinery.	High quality base oil High adhesive properties Good anti-wear and anti-corrosion performances Optimal lubrication down to -20 °C
Prosylva Chain Expert	150	Mainly adapted to the lubrication of manual chainsaws of woodcutters or mechanical chainsaws in wood cutting machinery.	Very high adhesive properties Optimal anti wear and anti-corrosion performances thanks to its formulation with reinforced additives Reduction of projections Lower oil consumption Suitable for all weather conditions
Prosylva Chain Extrem	220	Particularly recommended for high speed machinery and industrial chain conveyors.	Very high adhesive properties Reinforced additives formulation against wear Improved anti-corrosion properties High viscosity for an optimal lubrication even under severe conditions Very resistant to high temperatures
Prosylva Chainbio	100	Biodegradable lubricant for chainsaw. Recommended for the lost lubrication of fast-moving machinery: wood chainsaw chains, pruning saws, etc.	Environmental friendly lubricant with a high biodegradability: 89% Rapid biodegradation Low toxicity Oil throw off reduction Guide and chain wear reduction Oil consumption reduction

Our Tips for chainsaw lubrication:

- 1** Lubricate **regularly**
- 2** For a manual chainsaw: **use a funnel**
- 3** Change your oil **according to the season**
- 4** Use a **BIO lubricant** in protected areas
- 5** For **customized recommendations**, speak to your TotalEnergies contact person

A-Grease

Greases for Agriculture



A-Grease is our dedicated range of greases developed to meet agricultural equipment's needs, in different environmental conditions.

A-Grease Complex HV 2

A multi-purpose, very high-performance grease based on a high temperature and extreme pressure resistant lithium complex soap. This grease is particularly suited to lubricate equipment that has to operate in difficult conditions.



- Safety: Excellent mechanical and thermal stability for greasing under heavy load and high temperature constraints
- Streamlining: One single grease for all your needs
- Optimisation: Reduced maintenance costs thanks to its lithium complex soap formulation

A-Grease Fil EP 2

Tacky multi-purpose grease with lithium/calcium soap and high extreme pressure properties. This grease is particularly suitable for applications in the agricultural industry, even in the presence of water and dust.



- Excellent adhesion thanks to its tackiness
- Improved resistance to water washout
- Extreme pressure and anti-wear additivation, suitable for lubricating machinery even when loaded

A-Grease Classic

Multi-purpose, grease for general usage. This grease is suitable for all applications with no particular restrictions.



- Excellent quality/price ratio
- Excellent mechanical stability during working time
- Ideal for all standard greasing operations

International Specifications:
ISO 6743-9: L-XBEHB 2
DIN 51502: KP2P-30

International Specifications:
ISO 6743-9: L-XBCEB 2
DIN 51502: KP2K-25

International Specifications:
ISO 6743-9: L-XBCEB 2
DIN 51502: KP2K-20



MECHANICAL STABILITY



THERMAL STABILITY



RESISTANCE TO LOADS



ADHESION

1

Grease **regularly**

2

Uniform greasing of all the concerned parts

3

Clean the grease nipples before applying the grease

4

Consult your manufacturer's maintenance manuel

5

For **customized recommendations**, speak to your TotalEnergies contact person

Specialty Products



Coolagri, Coolant for Agriculture

Ready to use very long life coolant for agricultural machinery, based on highly pure monoethylene glycol and organic corrosion inhibitors.

International Specifications:

- AFNOR NFR 15-601
- ASTM D3306/D4656/D4985/D6210
- BS 6580
- SAE J 1034

OEM Approvals:

MAN 324 type SNF
MTU MTL 5048

Agritraite, Lubricant for Milking machines

Lubricant for the vacuum pumps of milking machines (vane pumps, screw pumps, roots type rotary piston pumps).

International Specifications:

- ISO VG 68

Vacuum Pump Oil, Oil for lost lubrication of slurry pumps.

International Specifications:

- ISO VG 220



Fuel Economy Concept



Our Fuel Economy products are specially formulated to maximize fuel economy properties without compromising on the engine protection.

Why would you choose our products?



Over 20 years of Fuel Economy Experience

TotalEnergies has been developing Fuel Economy products since the 1990's. Today, a third of TotalEnergies engine oils sold worldwide is formulated with Fuel Economy technology.



Fuel Economy Lubricants for every application

Our wide range of Fuel Economy solutions are suited for every application, including engines, gearboxes and axles.



Fuel Economy Partnerships with OEMs

Tractagri and Dynatrans Fuel Economy ranges are developed in close cooperation with key OEMs. Therefore, the range is fully approved for use in their equipment to achieve the Fuel Economy targets of the OEMs.



Tested in real-world conditions and Certified for Fuel Savings

Our Fuel Economy lubricants are tested on actual fleets operating in real-world conditions, and certified by independent testing organizations such as TÜV Rheinland, UTAC, and Millbrook.

Tractagri Products		International Specifications		OEM Homologations (Original Equipment Manufacturers)	
Product name	Grade	ACEA	API	Approvals	Meets the requirements of
Tractagri S5R FE  	5W-30	E4, E6, E7, E8, E9, E11	CK-4	Deutz DQC IV-18 LA Volvo VDS-4.5 MB-Approval 228.51/228.52 MAN M 3677/M 3775	Caterpillar ECF-3/ECF-2/ ECF-1-a Cummins CES 20086 Deutz TTCD
Tractagri HDZ FE  	10W-30	E7, E9, E11	CK-4	Cummins CES 20086 Deutz DQC III-18 LA MB-Approval 228.31 MAN M 3775 Volvo VDS-4.5	Caterpillar ECF-3/ECF-2/ ECF-1-a
Tractagri HDX FE 	10W-30	E7	CI-4	Cummins CES 20078 Deutz DQC III-18 MB-Approval 228.3	Cummins CES 20077/20076 Caterpillar ECF-2/ECF-1-a Case MS 1121 CNH MAT 3507 Volvo VDS-3 New Holland NH 324H
Dynatrans Products		International Specifications		OEM Homologations (Original Equipment Manufacturers)	
Product name	API	Approvals		Meets the requirements of	
Dynatrans VZ FE 	API GL-4	Massey F. CMS M1145 Valtra G2-B10		Massey Ferguson CMS M1143 Ford FNHA 2C 201.00/ M2C 134-D John Deere JDM J20C McCormick HTX Claas / Renault Agriculture	

Main Agri Ranges at a glance

Engine		Transmissions		STOU	
Tractagri		Dynatrans		Multagri	
S5R 10W-40	API CK-4 ACEA E4, E6, E7, E8, E9, E11	UTTO		PRO-TEC 10W-40	API CG-4/SF API GL-4 ACEA E3
S5R FE 5W-30	API CK-4 ACEA E4, E6, E7, E8, E9, E11	VZ FE	API GL-4 Synthetic technology Very good cold flow properties	MS 15W-40	API CF-4/SF API GL-4 ACEA E2
HDZ 10W-40	API CK-4/SN ACEA E7, E9, E11	MPX	API GL-4 Wide range of application Suitable for Kubota	SUPER 10W-30	API CF-4/SF API GL-4 ACEA E2
HDZ FE 10W-30	API CK-4 ACEA E7, E9, E11	MPV	API GL-4 Wide range of application Suitable for Claas	Gardening & Chainsaw	
HDZ 15W-40	API CK-4/SN ACEA E7, E9, E11	LS 20W-40	API GL-4 High viscosity for hotter climates	Prosylva	
HDX 15W-40	API CI-4/SL ACEA E7	CVT 10W-30	API GL-4 Continuously variable transmission	2T Z	ISO L-EGB API TC JASO FB
HDX FE 10W-30	API CI-4 ACEA E7	FR	API GL-4 Graphite brake discs	2T SYN	API TC JASO FD ISO L-EGC/EGD
HDM 15W-40	API CF-4/SG	WS 75W-90 ISO VG: HV 100	API GL-4 Fully synthetic UTTO Extreme temperatures (PAO based)	4T 15W-40	API SG/CF-4
Hydraulic		Biotrans FX	API GL-4 ISO 15380: HEES	Prosylva Chain	
Hydroflo CT ISO VG: 46	ISO 6743-4 HV DIN 51524-3 HVLP Very high shear stability	Axles		Classic	ISO VG 100
Hydragri ISO VG: 46-68	ISO 6743-4 HV DIN 51524-3 HVLP	DA 80W-90/85W-140	API GL-5 LS Limited slip differentials/ self locking axles	Expert	ISO VG 150
Biohydran SE ISO VG: 32-46-68	ISO 15380: HEES DIN 51524	LS 80W-90	API GL-5 LS Limited slip differentials/ self locking axles	Extrem	ISO VG 220
		HD 80W-90/85W-140	API GL-5 Heavy loaded axles: axles, hypoid and reduction gearboxes	Chainbio	ISO VG 100
		Biotrans LS FE 75W-90	API GL-5 LS Limited slip differentials/ self locking axles	Others	
		Grease		Agritraite	ISO VG 68
		A-Grease		Vacuum Pump Oil	ISO VG 220
		Classic NLGI GRADE: 2	ISO 6743-9: L-XBCEB 2 DIN 51502: KP2K -20	Coolagri Organic -37 °C	AFNOR NFR 15-601 ASTM D3306/D4656/D4985/ D6210 BS 5580 SAE J 1034
		Fil EP 2 NLGI GRADE: 2	ISO 6743-9: L-XBCEB 2 DIN 51502: KP2K -25		
		Complex HV 2 NLGI GRADE: 2	ISO 6743-9: L-XBEHB 2 DIN 51502: KP2P -30		

LubAnac agri

A preventive maintenance tool for all the components of your machinery:

- ☑ Extend the lifetime of your tractor and machinery
- ☑ Increase value of your equipment for resale
- ☑ Optimize reliability and performance

What is the ANALYSIS Compared?

LubAnac agri is a preventive maintenance tool and a fleet management system based on used oils analyses ensuring a significant reduction of maintenance costs by:

- Preventing possible breakdowns,
- Following regularly the condition of the lubricant and the wear of the mechanical components,
- Reinforcing the lifetime and the reliability of the machines,
- Optimizing the drain intervals safely.

Our professional clients are active in the automotive sector (On-Road transport or Off-Road transport), industry and marine (internal and international markets). The LubAnac agri diagnostic service is provided worldwide by TotalEnergies subsidiaries to end users.

LubAnac agri, Agriculture expert

How does LubAnac generate the diagnosis and propose remedial actions?

The diagnosis and related corrective measures are provided by the LubAnac agri system, which is based on:

- **40 years of experience** and contribution to the LubAnac database, over **7 million analyzes on 1 million monitored organs**,
- **Customers feedback** on successful remedial actions,
- **A comparison between the measured values and the wear references** thanks to algorithms allowing the results to be independent from variable parameters such as oil level or drain intervals.

Preventive maintenance tool for your agricultural equipment

A single analysis to cover all of your needs by ensuring optimal technical performance.



Minimising downtime of the entire fleet

Prevention of possible mechanical breakdowns.



Increases the lifetime of your machinery

Decrease of the risk of mechanical components excessive wear.



Optimizes maintenance costs of your machinery

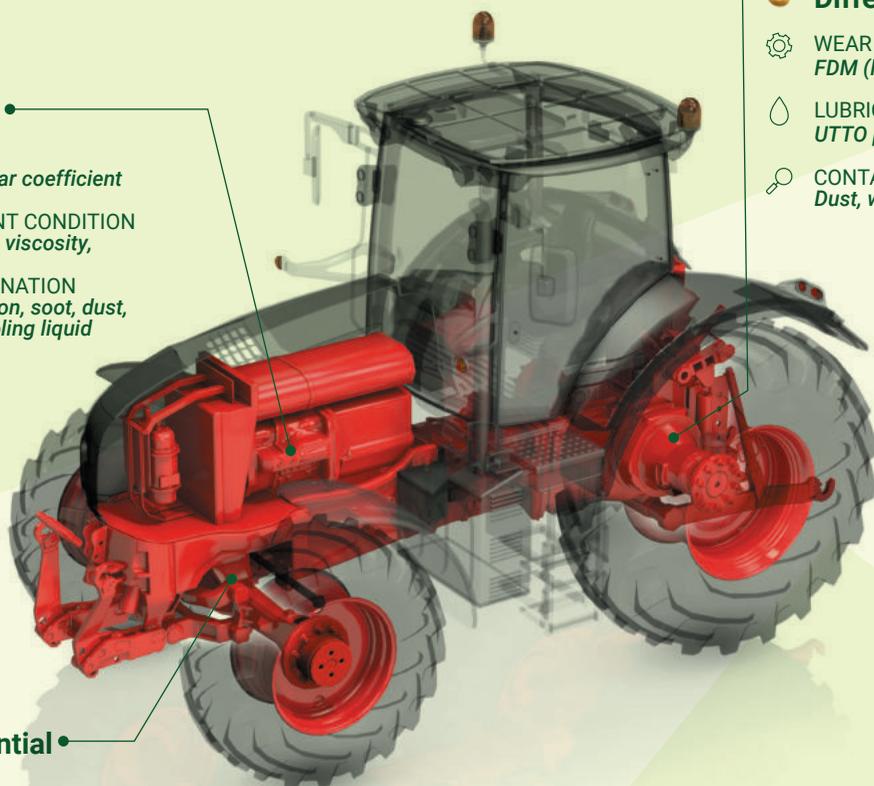
Control of your maintenance budget.



The resale value of your machinery

Optimisation of the resale value thanks to a complete and regular maintenance monitoring.

-  **Engine**
-  WEAR
Global wear coefficient
-  LUBRICANT CONDITION
Oxidation, viscosity,
-  CONTAMINATION
Fuel dilution, soot, dust, water, cooling liquid



-  **Transmission Hydraulic Differential**
-  WEAR
FDM (large iron particles)
-  LUBRICANT CONDITION
UTTO performance, viscosity
-  CONTAMINATION
Dust, water

-  **Differential**
-  WEAR
FDM (large iron particles)
-  LUBRICANT CONDITION
Viscosity
-  CONTAMINATION
Dust, water

-  MEASUREMENT OF MECHANICAL WEAR
-  FOLLOW-UP OF THE LUBRICANT CONDITION
-  MEASUREMENT OF POSSIBLE CONTAMINATIONS

Our customers talk about us

Thierry BOLOT
 Technical director, FAUPIN
 Group France

« LubAnac oil analyses have improved preventive maintenance of our high-wheel tractors with regular checks of engine condition. We need machinery in good working order all year round. Plus, the analyses give us food for discussions with our manufacturer on machinery operation. »

Alejandro CASTILLO
 Agricultural Division Manager/
 Engineer Ser San Antonio -
 Nicaragua

« We use the LubAnac service every year to check motor and axles oil quality and to spot and prevent potential premature wear. »



TotalEnergies