



LUBRICANTS DEDICATED TO AGRICULTURE

Agriculture

A range of high technology lubricants



TOTAL

Committed to Better Energy



Total presents its lubricants and greases

The range is :

- ✓ **COMPREHENSIVE;** tailored to meet the technological requirements of the latest farming equipments and also those of earlier generation.
- ✓ **PERFORMING;** meets all international standards and approved by leading farming equipment manufacturers.
- ✓ **INNOVATIVE AND UNIQUE;** Total Lubrifiants is the only one offering you different and innovative products, designed from years of research. Our Fuel Economy lubricants and Biolubricants are concrete and cost-effective response to the demands of an activity, constantly in need of sophisticated equipments, which complies with environmental regulations.

A photograph of a combine harvester working in a vast, golden wheat field under a clear sky. The harvester is positioned in the middle ground, moving away from the viewer. The field is filled with ripe wheat, and the horizon is flat and distant.

Total provides solutions that permits you to maximize performance and efficiency.

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Lubricants for Engines

SPECIFICATIONS

International classifications

ACEA: E6/E9/E7/E4
API: CJ-4/CI-4 plus/CI-4/SM

Manufacturers' approvals

DEUTZ DQC IV-10 LA
DEUTZ TTCD
MB-Approval 228.51
MAN M3477 / M3575

Meets the requirements of

CATERPILLAR ECF-3/ECF-2/ECF-1a
CNH MAT 3521
CUMMINS CES 20081

Suitable in tractors

CASE, NEW-HOLLAND, CLAAS, FENDT,
MASSEYFERGUSON, Mc CORMICK,
SAME, VALTRA...

TRACTAGRI T4R 10W-40



Low SAPS technology lubricant offering an opportunity of products' rationalization for tractors and agricultural equipments' lubrication.

- > Rationalization into one product: suitable all engines to any brands or types of Agriculture machinery (Tier 4 engines and below)
- > Exceptional engine protection
- > Extended oil drain interval
- > Very good lubrication of hot engine pieces
- > Excellent stability of the viscosity in service

TRACTAGRI HDZ 10W-40



Low SAPS technology lubricant specially developed for Agricultural machinery engines, with or without Diesel Particulates Filter.

- > Very good lubrication of hot engine pieces
- > Adapted to all exhaust gaz post-treatment systems
- > Suitable in all engine brands and types of technology

TRACTAGRI HDX 15W-40

International classifications

ACEA: E7/E5
API: CI-4/CH-4/SL

Manufacturers' approvals

DAIMLER: MB-Approval 228.3
CUMMINS: CES 20078 (20077/20076)
DEUTZ: DQC III-10

Meets the requirements of

CATERPILLAR ECF-2/ECF-1a
CNH MAT 3507
NEW HOLLAND NH 330H

Top performance lubricant for the engines of agricultural equipment operating in all conditions and in all seasons.

- > Great stability of the viscosity in service
- > Excellent oxidation resistance
- > Perfectly suited for the lubrication of low emission engines (European phase I, II or IIIa)





Fuel Economy lubricants for Engines

SPECIFICATIONS

International classifications

ACEA E6/E9/E7/E4
API CJ-4/CI-4 plus/CI-4/SM

Manufacturers' approvals

DEUTZ DQC IV-10 LA
DEUTZ TTCD
MB-APPROVAL 228.51
MAN M3677 / M3477

Meets the requirements of

CATERPILLAR ECF-3/ECF-2/ECF-1a
CNH MAT 3521
CUMMINS CES 20081

Suitable in tractors

CASE, NEW-HOLLAND, CLAAS, FENDT,
MASSEY-FERGUSON,
Mc CORMICK, SAME, VALTRA...

TRACTAGRI T4R FE 5W-30



- > Rationalization into one product: suitable for all engines to any brands or types of Agriculture machinery (tier 4 engines and below)
- > Improved cold start properties
- > Extended oil drain interval
- > Its advanced "low-SAPS" formulation helps prevent the clogging of the Diesel particulate filter (DPF) and extends the post-treatment system durability
- > Specific technology which enables fuel savings

TRACTAGRI HDZ FE 10W-30



- > High thermal stability ensuring a very good lubrication of hot engine pieces, especially during severe and long working periods
- > Its "Low SAPS" technology is adapted to all exhaust gaz post-treatment systems and particularly improves the durability of the Diesel Particulate Filters.
- > Specific formulation which enables fuel savings. Suitable in all engine brands and types of old or recent technology

International classifications

ACEA: E9/E7 (E5)
API: CJ-4/CI-4 PLUS/CI-4/SM

Manufacturers' approvals

DAIMLER: MB-APPROVAL 228.31
DEUTZ: DQC III-10 LA
CUMMINS: CES 20081

Meets the requirements of

CATERPILLAR: ECF-3/ECF-2/ECF-1a
CNH MAT 3521

Suitable in tractors

CASE, NEW-HOLLAND, CLAAS, FENDT,
MASSEY-FERGUSON, Mc CORMICK,
SAME, VALTRA

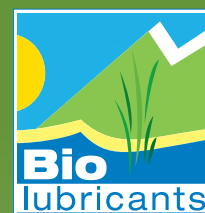
BIODEGRADABLE

BIOTRAFFIC 1000 FE 10W-30

ACEA E7 / E5 / B4 / B3 / A3
API CI-4 / CH-4 / SL
• Meets the requirements for the European Community "Bio-lubricant" definition.

Meets the main manufacturers' specifications

Very high performance, biodegradable, synthetic, fuel-economy lubricant derived from renewable resources for all types of engines.



- > Allows the longest drain intervals specified by the OEMs for Off-Road sectors
- > Provides economy by reducing the engine fuel consumption (up to 4 %) which also reduces the exhaust gaz pollution
- > Very few level of oil evaporation reducing the oil consumption





Lubricants for UTTO Transmissions

(Universal Tractor Transmission Oil)

SPECIFICATIONS

International classifications

API: GL-4

Manufacturers' approvals

VALTRA G2-08

ZF: TE ML 03E / 05F / 06D / 06K / 06N / 06R / 17E / 21F

Recommended for

KUBOTA UDT

DYNATRANS MPX

Lubricant for transmissions with oil immersed disc brakes and hydraulic systems used in agricultural tractors and handling equipment.

- > Excellent performances even under the most extreme conditions
- > Outstanding friction properties
- > Reduced costs and stock of lubricants thanks to its wide profile
- > Enhanced protection of gears and hydraulics components

DYNATRANS MPV

Lubricant for transmissions equipped with oil-immersed disk brakes and hydraulic systems on agricultural tractors.

- > Special friction coefficient for brakes and immersed clutch plates
- > Very good stability in service
- > Great shear resistance

International classifications

API: GL-4

Manufacturers' approvals

VALTRA G2-08

ZF: TE-ML 03E/05F/06P/17E/21F

MASSEY FERGUSSON:

CMS M 1145/1143

VOLVO CE: WB 101

DYNATRANS CVT

Special lubricant for continuously variable transmissions (CVT) used in agricultural tractors.

- > Smooth and progressive operation of the transmission
- > The ultimate anti-wear performance
- > Wide scope of applications

International classifications

API: GL-4

Manufacturers' approvals

ZF: TE-ML 06B / 06F

MASSEY FERGUSSON: CMS M 1145

DYNATRANS FR

Lubricant for transmissions equipped with oil-immersed disk brakes and hydraulic systems on agricultural tractors.

- > Special friction characteristics for brakes and immersed clutch plates
- > Dedicated to the lubrication of mechanical transmissions requiring an API GL-4 product with SAE 80W viscosity
- > Added gear protection
- > High anti-foam power

International classifications

API: GL-4





Fuel Economy lubricants for UTTO Transmissions

(Universal Tractor Transmission Oil)

SPECIFICATIONS

DYNATRANS VZ FE

International classifications

API: GL-4

Ongoing Manufacturers' approvals

MASSEY F. CMS M1145/M1143

VALTRA G2-B10

ZF TE ML 03E/ 05F/ 06K



High performance lubricant, dedicated for Agricultural machinery axles, transmissions and hydraulic circuits.

- > Excellent performances even under extreme temperatures
- > High oxidation stability
- > Very good water compatibility
- > Enhanced protection of axles and hydraulic circuits thanks to its advanced anti wear and anti corrosion properties

BIODEGRADABLE

BIOTRANS FX

International classifications

API: GL-4

AFNOR: HV 68 multigrade

ISO 15380: HEES

Manufacturers' approvals

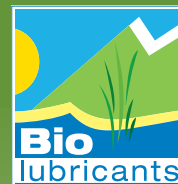
MASSEY FERGUSSON:

CMS M 1145/1143

ZF: TE ML 06P

Very high quality biodegradable lubricant for transmissions equipped with wet disk brakes in agricultural equipment.

- > Very high viscosity index enabling use at a wide range of temperatures
- > High shear and oxidation resistance
- > Biodegradable and good compatibility with the elastomers currently used in hydraulic circuits





Lubricants for Multifunction STOU

(Super Tractor Oil Universal)

SPECIFICATIONS

International classifications

ACEA: E3
API: CG-4/SF
API: GL-4

Manufacturers' approvals

MASSEY FERGUSON:
CMS M 1145/1144
ZF: TE-ML 06B/07B

MULTAGRI PRO-TEC 10W-40

Last generation multi-purpose lubricant of a non-conventional ultra high performance bases for the lubrication of the mechanical components of tractors, agricultural machinery and related equipment in all seasons.

- > Outstanding wear resistance
- > High level of detergency and dispersivity
- > Optimised maintenance programmes

MULTAGRI MS 15W-40

Multi-purpose lubricant intended for the lubrication of the various components of agricultural tractors and harvesters, in all seasons.

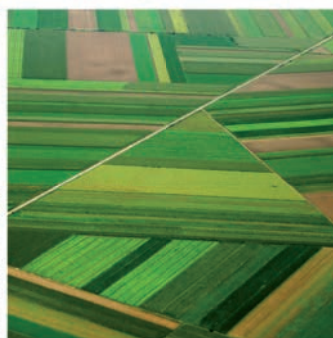
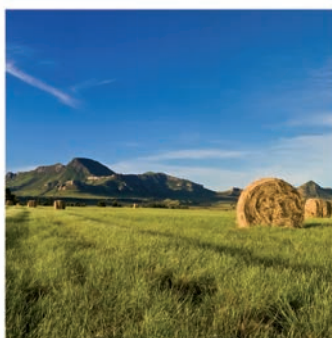
- > Good anti-wear power
- > Extensive use, in complete safety
- > High Extreme Pressure property

International classifications

ACEA: E2
API CF-4/CE/SF
API GL-4

Manufacturers' approvals

MASSEY FERGUSON:
CMS M 1145/1144
ZF: TE-ML 06B/07B





Lubricants for Transmissions

SPECIFICATIONS

International classifications

API: GL-5-LS
MILL.: 2105D

Manufacturers' approvals

ZF: TE-ML 05C/12C/21C

DYNATRANS LS 80W-90

Lubricant for axles equipped with an auto-blocking limited slip differential system.

- > Guarantees high cleanliness of the limited slip disks installed in the axles
- > Prevents noise and vibration under intensive use
- > With its added "Extreme Pressure", it ensures the maximum protection of gears and friction components
- > Excellent compatibility with disk friction materials
- > Excellent performance with respect to seals

DYNATRANS HD 80W-90

International classifications

API GL-5
ZF TE-ML 05A/ 12E/ 16B/ 17B/ 21A
MILL.: 2105D

DYNATRANS HD 85W-140

International classifications

API GL-5

DYNATRANS HD 80W-90 / 85W-140

Lubricant for loaded gears installed on agricultural machinery.

- > Very high extreme-pressure properties for an optimal protection of heavily loaded gears against scuffing
- > Very good level of antiwear, anticorrosion and antirust protection
- > Very good resistance against thermal ageing and excellent shear stability
- > Formulated with pour point depressant additives allowing good low temperature fluidity when starting in winter

FLUIDE G3

International classifications

DEXRON III G

Lubricant for automatic transmissions or systems requiring the use of an ATF fluid.

- > Special friction properties to enable a controlled slip on friction parts: clutches brought into action without brutality, without excessive slip or brake chatter
- > Neutrality with respect to the elastomers and non-ferrous metals (copper, etc.)
- > Accuracy and flexibility of automatic sequences for manoeuvres at a very low speed

BIODEGRADABLE

BIOTRANS LS FE 75W-90

- Meets the European Community definition of "Biolubricant"
- Conform to the International Classifications: API GL-5

Meets the main manufacturers' specifications

Very high performance synthetic biodegradable lubricant, coming from renewable raw material, dedicated to final reductions and disc limited slip differential axles.

- > Smooth clutching without chocks nor excessive slippage of self-locking friction discs
- > Thanks to its Extreme-Pressure additives, provides a maximum protection of very loaded gears working with shocks
- > Good compatibility with transmission organ seals
- > Specially recommended in case of possible contamination of cultivated land, water, forests and sensitive environments which must be preserved
- > Its rheological and friction characteristics generate a reduction of the mechanical energy losses in the lubricated organ and then a fuel consumption reduction...





Lubricants for Hydraulics

SPECIFICATIONS

International classifications

ISO: VG 46
ISO: 6743/4-HV
AFNOR: NF 48-603 HV
DIN 51524 P3 HVLP

HYDROFLO CT

Lubricant specially designed for hydrostatic and hydraulic systems exposed to great variations in temperature.

- > Very high viscosity index enabling very regular operation and easy start-up at all temperatures
- > Very high shear resistance
- > Perfect neutrality relative to gaskets

HYDRAGRI

High performance hydraulic oils.

- > Lubricant specially designed for hydraulic systems operating under normal temperature and pressure conditions
- > Perfect neutrality relative to seals

International classifications

ISO: VG 32/46/68
ISO: 6743/4 HV
AFNOR: NF E 48-603 HV
DIN 51524 P3 HVLP

BIODEGRADABLE

BIOHYDRAN SE

ISO: VG 32/46/68 15380 HEES
Registration number FR/27/002
ECOLABEL CERTIFICATION.
Contributes to reducing water contamination and resource consumption.
Reduces carbon dioxide emissions.

High thermal stability biodegradable hydraulic fluid.

- > BIOHYDRAN SE has a natural high and stable viscosity index. No viscosity loss due to shear is observed. This stable viscosity level ensures an optimum hydraulic efficiency during all the fluid life
- > The good lubricating properties and corrosion protection will extend the component life of hydraulic systems
- > The excellent oxidation stability of BIOHYDRAN SE offers extended drain intervals compared to classical mineral hydraulic fluids
- > BIOHYDRAN SE is miscible with classical HM and HV mineral hydraulic fluids



BIODEGRADABLE

BIOHYDRAN TMP

ISO: VG 32/46/68 15380 HEES
Registration number FR / 27 / 02
ECOLABEL CERTIFICATION.
Reduced harm for water and soil.
Reduced carbon dioxide emissions.

Biodegradable Hydraulic Fluid complying with the European Ecolabel criteria.

- > Produced with renewable raw materials, BIOHYDRAN TMP contributes to CO₂-emission reduction
- > High natural viscosity index gives BIOHYDRAN TMP a wide temperature operating window (-20°C to 80°C)
- > The good lubricating properties, as well as the very good wear and corrosion protection, will extend the life of the hydraulic system's moving components





Lubricants for Home farming

SPECIFICATIONS

International classifications

API: TC
JASO: FD
ISO: L-EGD (detergency level)

PROSYLVA 2T SYN

Synthetic oil-based lubricant developed for high speed 2-stroke engines used in mechanized farming.

- > Specially tailored for the greasing of 2-stroke engines operating under severe conditions and at very high temperatures
- > Maximum reduction of smoke emissions
- > Definitive elimination of any clogging

PROSYLVA 2T Z

International classifications

API: TC

Lubricant for the 2-stroke engines used in mechanized farming.

- > Viscosity tailored to use in a mixture or in separate greasing
- > Pre-diluted to ensure a stable mixture
- > Very good corrosion and wear resistance

PROSYLVA 4T SYN 10W-40

International classifications

API: SL
ACEA: A3

Synthetic based lubricant for gasoline 4-stroke engines used in severe applications of mechanized farming.

- > Good thermal stability
- > Very good wear and corrosion resistance
- > Maintains multigrade properties for all durations

PROSYLVA 4T 15W-40

International classifications

API: SJ/CG-4
ACEA: A2/B2

Lubricant for gasoline or diesel 4-stroke engines used in professional Home farming equipment.

- > Excellent stability of the viscosity in service
- > Ultra high level of detergency and dispersivity
- > Very good wear and corrosion resistance





Lubricants for Chainsaw

SPECIFICATIONS

Lubricants for chainsaw chains suitable for the lost oil lubrication of fast-moving machinery: wood chainsaw chains, conveyor belts, etc.

PROSYLVA CHAIN CLASSIC

International classifications
ISO VG 100

- > Mainly adapted to the lubrication of mechanical chainsaw installed in wood cutting machineries
- > High adhesive properties
- > Good anti wear and anti-corrosion performances
- > Optimal lubrication until -20 degrees

PROSYLVA CHAIN EXPERT

International classifications
ISO VG 150

- > Mainly adapted to the lubrication of manual chainsaw of woodcutter or mechanical chainsaw installed in wood cutting machineries
- > Very High adhesive properties
- > Optimal anti wear and anti-corrosion performances thanks to its reinforced additives formula
- > Reduction of projections
- > Good resistance to any weather

PROSYLVA CHAIN EXTREM

International classifications
ISO VG 220

- > Particularly recommended for high speed machineries and industrial chain conveyors
- > High viscosity for an optimal lubrication even under severe conditions
- > Very resistant to high temperatures
- > Reinforced additive formula against wear
- > Very High adhesive properties



BIODEGRADABLE

PROSYLVA CHAINBIO

International classifications
ISO VG 100

Biodegradable lubricants for chainsaw. Recommended for the lost oil lubrication of fast-moving machinery: wood chainsaw chains, pruning saws, etc.

- > Reduced splattering
- > Reduced oil consumption
- > Significantly reduced wear
- > Biodegradable





Greases

SPECIFICATIONS

A-GREASE COMPLEX HV 2

International classifications

ISO 6743-9: L-XBEHB 2
DIN 51 502: KP2P -30

High-performance multi-purpose grease with lithium complex soap, particularly suited for lubricating equipments that has to operate in difficult conditions.

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

A-GREASE FIL EP 2

International classifications

ISO 6743-9: L-XBCEB 2
DIN 51 502: KP2K-25

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

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

A-GREASE CLASSIC

International classifications

ISO 6743-9: L-XBCEB 2
DIN 51 502: KP2K-20

Multi-purpose lithium grease, ideally suited for general grease lubrication.

- > Ideal for all standard greasing operations
- > Excellent mechanical stability during working time



BIODEGRADABLE

BIOMULTIS EP 2

International classifications

ISO 6743-9: L-XCEEB 2
DIN 51502: KP2K-30

High-performance extreme pressure biodegradable lithium grease.

- > Good mechanical and thermal stability
- > Wide range of applications to rationalise inventory and facilitate maintenance
- > Long-lasting lubricant film





Coolants



COOLELF AUTO SUPRA -37°C

International classifications

AFNOR NFR 15-601
ASTM D 3306
ASTM D4656
ASTM D4985
BS 6580

“Very long life” cooling liquid with a monoethylene glycol base of great purity and organic corrosion inhibitors, from discoveries made in the realm of the protection of materials in a corrosive atmosphere.



Lubricant for Milking machines

AGRITRAITE

International classifications

ISO: VG 68

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

- > Shear-free
- > Perfect neutrality with relative to seals
- > Very good anti-wear properties





TOTAL ANAC

TOTAL ANAC is a management tool for agricultural equipment

The TOTAL ANAC service consists in making a diagnosis of mechanical components (engine, transmissions, hydraulic) from oil samples taken in service.

Analyses are carried out via an expert system that assesses the proper operation of each component with respect to a reference of the same family. This system takes stock of the different intervals between oil change as well as the lubricant's makeup level.

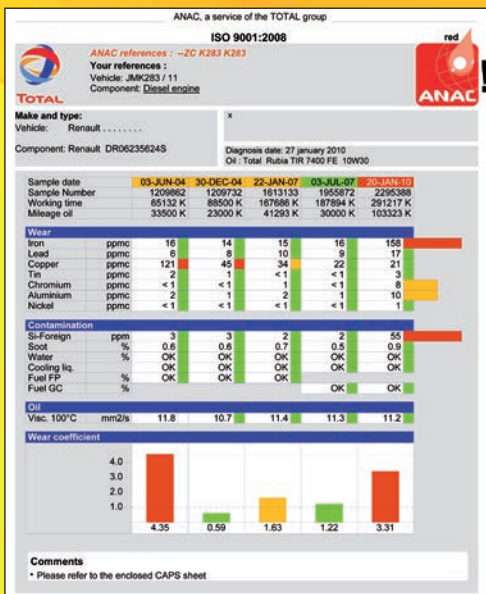
The results of these analyses are then presented along with the history of previous assessments, thus offering an ability to track your equipment.

YOUR ADVANTAGES:

- > Decrease in immobilized machinery and mechanical damage
- > Optimised maintenance intervals
- > Longer life cycle and reliability for your equipment
- > Increased productivity



DIAGNOSIS REPORT



TOTAL ANAC MAKES A DIFFERENCE!

- Database on more than **4 million performed analyses**, over 400.000 parts in follow up.
- Database on feedback of successful interventions after ANAC diagnosis.
- Specific and personalised comments.
- User friendly website for management of diagnosis data.
- Reports available by post, e-mail, fax or Internet.
- More than **40 years of experience**.
- Reports available in 19 languages.

More information on www.lubricants.total.com

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