



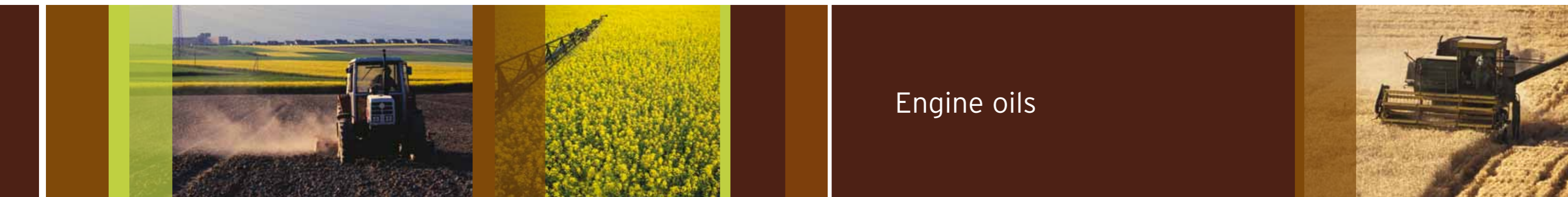
Lubricants & speciality products
for agricultural equipment



A **Chevron** company brand

Global Lubricants





Engine oils

Chevron Lubricants work closely with OEMs, scientists and engineers to develop Texaco branded lubricants with the aim of providing high performance and superior protection products, which can perform in the wide range of equipment found within the demanding operating environments of the agricultural industry.

This brochure gives you an overview of Texaco branded agricultural lubricant products available through your local distributor, along with a summary of their benefits, major OEM approvals and relevant industry specifications.

Product sectors covered here include:

- > Diesel and petrol engine oils
- > Multi-service agricultural oils
- > Total driveline oils
- > Gear oils
- > Transmission fluids
- > Hydraulic oils
- > Specialist oils and fluids
- > Greases
- > Brake fluid
- > Antifreeze/coolants.

Diesel and petrol engine oils

Ursa® TDX 10W-40

A high performance semi-synthetic 10W-40 multigrade diesel engine lubricant, designed to conform to ACEA and OEM specifications.

- > Contributes to engine cleanliness and corrosion protection
- > Promotes engine protection over long drain intervals
- > Assists critical engine wear and bore polishing protection
- > Offers engine bearing protection
- > **Selected specification standards* include:** ACEA, API, Deutz, Cummins, Renault, Volvo.

Ursa® Super TD 15W-40

Ursa Super TD surpasses the very latest ACEA, API and heavy-duty diesel engine manufacturers' performance requirements. It offers wear protection and corrosion protection to turbocharged engines over extended operating periods, and is suitable for use in both diesel and petrol engines.

- > Diesel long drain
- > Widest application range for diesel and petrol engines
- > Excellent wear protection
- > Wide range of OEM approvals
- > **Selected specification standards* include:** ACEA, API, Allison Transmission, Caterpillar, Cummins, Renault, Volvo.

Ursa® Super LA 15W-40

Formulated with solvent refined base stocks and a proven additive package, Ursa Super LA meets ACEA and API specifications and conforms to major heavy-duty diesel and gasoline passenger car OEM standards. It provides long and reliable protection under demanding operating conditions in both passenger cars and heavy-duty turbocharged diesels, extending engine service life. Recommended for use in heavy-duty naturally aspirated and turbocharged diesel engines, utilised in construction, mining, and farming equipment.

- > **Selected specification standards* include:** API, ACEA, Volvo, Allison

* see specification and approvals table for comprehensive details

Speciality oils and fluids



Multi-service agricultural oils

Super Universal Tractor Oil® Extra 10W-30

A high performance 10W-30 Super Tractor Oil Universal (STOU). It is designed for use in tractor engine, transmissions, final drives and hydraulic systems with the high performance low temperature fluidity aiding rapid lubricant circulation during cold start-up, helping to prevent equipment wear.

- Formulated for Super Tractor Oil Universal (STOU) service
- Aids smooth quiet operation
- Assists critical low temperature start-up protection
- Multi-application use, helps avoid mis-application
- Wide range of OEM and industry approvals
- **Selected specification standards* include:** API, Ford, Massey Ferguson, John Deere, Case New Holland, ZF.

Super Universal Tractor Oil® 15W-30

A high performance 15W-30 Super Tractor Oil Universal (STOU). It is designed for use in tractor engines, transmissions, final drives and hydraulic systems.

- Formulated for Super Tractor Oil Universal (STOU) service
- Aids smooth quiet operation
- Assists critical low temperature start-up protection
- Multi-application use, helps avoid misapplication
- **Selected specification standards* include:** API, Ford, Massey Ferguson.

Total driveline oils

Multigear® S 75W-90

An ultra high performance total driveline lubricant, featuring fully synthetic base stocks combined with advanced, performance enhancing additive technologies. This high technology lubricant is suitable for use in gearboxes and transmissions requiring API GL-4 and API GL-5 specification oils, and for hypoid drive axles where EP API GL-5 or MT-1 is required.

- Wear oxidation and corrosion resistant
- Long drain performance reduces service downtime
- High VI maintains fluid viscosity and transmission protection at high operating temperatures
- Excellent low temperature fluidity maximises wear protection during cold start-up
- **Selected specification standards* include:** API GL-4, GL-5, MT-1, ZF, ZF Lenksysteme.

Multigear® 75W-90R

Higher performance, part synthetic multigrade total driveline lubricant, suitable for applications requiring API GL-4 and API GL-5 performance. It is formulated with part-synthetic base stocks and a balanced additive system.

- Suitable for synchronised manual transmissions and final drives
- Long drain capability
- High temperature performance
- Promotes cold weather start-up protection
- **Selected specification standards* include:** API GL-4, GL-5, MT-1.

Multigear® 80W-90

A high performance total driveline lubricant suitable for manual transmissions which require a fluid with API GL-4 and GL-5 performance. This advanced technology lubricant is designed with superior quality mineral base stocks and a leading edge additive formulation.

- Extended drain over standard mineral oils
- Long-life shear and oxidation stability
- High performance rust and corrosion protection maximises service life
- **Selected specification standards* include:** API GL-4, GL-5, MT-1, ZF, ZF Lenksysteme, NATO.

Gear oils

Geartex® EP-A 80W [GL-4]

Geartex® EP-B 85W-90 [GL-5]

Geartex® EP-C 85W-140 [GL-5]

Efficient performance automotive gear lubricants suitable for API GL-4 and GL-5 applications. They are formulated with mineral base oils and selected additives to resist wear corrosion and oxidation.

- Highly shear stable
- EP wear resistance
- Cold start protection
- **Selected specification standards* include:** API GL-4 (Geartex EP-A), API GL-5 (Geartex EP-B/EP-C), Volvo (Geartex EP-B/EP-C), ZF, ZF Lenksysteme.

Geartex® LS 85W-90

A high performance gear lubricant formulated for use in limited slip differentials, and conforms to API service designation GL-5. Formulated with a mineral oil base stock in combination with an effective additive package it contributes to reliable limited slip differential performance and protection. The special friction modifier additive included in the formulation is the only one that is approved by ZF for use in their limited slip systems.

- Promotes smooth noise-free operation
- Aids protection against component scuffing and wear
- Helps improve system cleanliness
- **Selected specification standards* include:** API GL-5, ZF.

Speciality oils and fluids



Transmission fluids

Textran® TDH Premium

A higher performance Universal Tractor Transmission Oil (UTTO) designed for use in the transmissions, final drives, hydraulic systems and wet brakes of tractors and other off-road equipment. It is formulated with a mineral base stock and high performance additive combination.

- Helps minimise chatter, stick slip and squawk
- Wet brake applications
- Contributes to reduced friction and wear during cold starts
- Assists scuffing and wear protection
- Aids critical rust protection
- **Selected specification standards* include:** API, Allison Transmissions, Caterpillar, Case New Holland, John Deere, Massey Ferguson, Volvo Construction Equipment, ZF.

Textran® HD 10W, 30, 50

A range of products with proven performance in heavy-duty transmission, drive train fluid shift transmissions and final drives where a Caterpillar TO-4 fluid is required. They are formulated with mineral base oils and non-friction modified additive systems.

- Assists rapid shifting and maximum power throughput
- Offers protection against system wear
- Oxidation stability helps prevent in-service oil thickening
- **Selected specification standards* include:** Caterpillar, Komatsu, Allison.

Texamatic® 7045E

A proven performance automatic transmission fluid suitable for passenger car, light truck and bus transmissions requiring a GM DEXRON III G fluid. Formulated with mineral base oils and a balanced additive package to provide efficient operating performance. It is also suitable for use in power steering systems that require a mineral type Power Steering Fluid.

Note: It should not be used in steering or active suspension systems that call for semi-synthetic or synthetic fluids.

- Suitable for cars & light trucks & buses
- Resists wear, corrosion and oxidation
- Protects transmission fluid coolers
- Can be used where a Dexron II Fluid is required
- **Selected specification standards* include:** Aishin Warner, Allison, Caterpillar, Ford, GM, Voith, ZF, ZF Lenksysteme.

Texamatic® 9330

An efficient performance automatic transmission fluid, suitable for applications where Ford M2 C33-G (Type G) fluids are specified. It is formulated with mineral base stocks with an additive package that does not include friction modifiers.

- Helps maintain critical system protection at high operating temperatures
- Promotes wear protection during low temperature start-up
- Robust anti-wear additives
- **Selected specification standards* include:** Ford, John Deere, Volvo.

Hydraulic oils

Rando® HDZ 15, 32, 46, 68

Zinc-based severe service hydraulic oils, formulated with high performance and extremely shear stable viscosity index improver additive systems, designed to deliver advanced multigrade viscosity performance across a very wide range of temperatures, in arduous operating conditions. The high technology formulations offer significant and highly reliable cross-grading and outstanding durability, ensuring that they remain in-grade over very long service periods, extending system operating life:

- Extremely shear stable
- Stay in-grade over very long service periods
- Very wide operating temperature
- **Selected specification standards* include:** ASTM, DIN, ISO, SAE, Bosch Rexroth, Sperry Vickers, US Steel, Cincinnati Machine.

Rando® HD 32, 46, 68

Highly robust and extremely reliable zinc-based hydraulic fluids designed to deliver exceptional system performance and protection under severe thermal load. They are highly resistant to oxidation over extended service periods maximising oxidation protection in high speed, high pressure vane and gear pumps, and the critical bronze-on-steel components on axial piston pumps.

- **Selected specification standards* include:** ASTM, DIN, ISO, SAE, Denison.

Hydra®

An ultra high performance biodegradable zinc-free hydraulic fluid, based on synthetic ester formulation (HEES). It is specifically designed for use in applications where accidental fluid release or leakage may result in environmental contamination. Available in ISO viscosity 32 and 46.

- Synthetic technology
- CEC L-33-A-93 and Water Hazard Class 1 classification
- Wide temperature performance
- **Selected specification standards* include:** ISO 15380 HEES.

Specialist oils and fluids

Motex® 2T

Motex 2T offers highly reliable protection to light and medium duty engines, delivering exceptional protection against wear and piston scuffing and outstanding keep-clean performance. It is formulated for land applications in air cooled engines in light and medium duty applications such as in light motorcycles, mopeds and lawnmower applications. It should be used in 50/1 fuel to oil ratio, however engine manufactures' recommendations should be followed if different doses are indicated.

- **Selected specification standards* include:** API TC, JASO.

Speciality fluids and greases



Greases

Starplex® EP 2

A high performance, extreme pressure (EP) long-service lead-free grease, for multi-purpose use in ball and roller bearings operating under high temperature, and for long-term lubrication under extreme operation conditions.

- Long-term lubrication protection
- High thermal resistance
- Lithium complex formulation
- **Selected specification standards* include:** DIN, ISO, Volvo.

Multifak® EP 2

An extreme pressure (EP) multi-purpose grease, suitable for both automotive and industrial applications. It is formulated with highly refined mineral base oils and a lithium thickener combined with extreme pressure additives, rust and oxidation inhibitors.

- High load EP wear protection
- Multi-purpose application
- Corrosion and oxidation resistance
- **Selected specification standards* include:** DIN, ISO, MAN, MB, Volvo.

Multifak® 264 EP 00/000

A mechanically stable extreme pressure semi-fluid lithium grease, suitable for a wide range of utility vehicles and centralised lubrication systems. Light green in colour this mineral based grease is water resistant and contains anti-wear, anti oxidation and rust resistance additives.

- Extreme pressure performance
- Pumpable through centralised lubrication systems
- Water, rust and corrosion protection
- **Selected specification standards* include:** DIN, Firma Willy Vogel, ISO, MAN, Mercedes Benz, Tecalemit.

Texclad® 2

A proven performance calcium grease containing selected solid graphite and molybdenum disulfide additives to offer reliable protection in heavy duty applications. The tough durable film and solid lubricants assist load carrying performance and lubrication under extreme heavy duty conditions.

- Offer robust adhesion in open gears
- Resists squeeze-out in 5th wheel applications
- Robust bitumen-free formulation
- **Selected specification standards* include:** DIN, ISO.

Brake fluid

Brake Fluid DOT 4

An efficient performance automotive brake fluid.

- High boiling point
- Helps prevent vapour lock
- Contributes to component wear protection
- Compatible with other brands of DOT 4/DOT 3 brake fluid**
- **Selected specification standards* include:** FMVSS 116 DOT3, DOT 4, ISO 4925, SAE J1703, J1704.



Antifreeze/coolants

Havoline® XLC

Havoline XLC is formulated to deliver extended or whole-life maintenance-free protection. It offers environmentally friendly corrosion resistance to automotive and heavy duty coolant systems, against all types of corrosion, in all types of metal components.

- Reduced maintenance costs, thanks to longer change intervals on cars and light trucks - up to 250,000 kms (or 2,000 hours); in truck and bus systems it offers 650,000 kms (or 8,000 hours) of high reliability protection
- To ensure good corrosion protection it is recommended to use at least 33 vol.% of Havoline XLC in the coolant solution - this provides frost protection to -20°C
- Typical mixtures in Northern Europe of 50/50 offer frost protection down to -40°C
- **Selected specification standards* include:** ASTM, JASO, Ford, GM.

* see specification and approvals table for comprehensive details

** Brake Fluid DOT 4 should not be used in systems designed for mineral based fluids (LHM), for example certain Citroen models, or where Silicone DOT 5 fluids are recommended.

Industry standard, OEM and proprietary component manufacturer recommendations

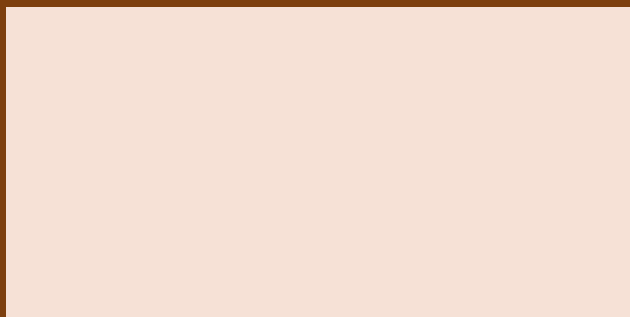
Engine oils	Industry standard recommendations			OEM recommendations												Proprietary component manufacturer recommendations		
	ACEA†	API	Other	Allison	CASE	CAT	Ford	GM Dextron	John Deere	MAN	Massey Ferguson	Mercedes Benz	Renault	Volvo	Other	ZF	Voith	Other
Texaco Ursa TDX 10W-40	E4, E7	CI-4, CH-4, CG-4	MTU: Type 3*							M3277		228.5	RLD-2, RXD	VDS-3	Scania: LDF-2 MACK: E0-M Plus* Cummins: 20071*, 20072*, 20077*, 20078*			
Texaco Ursa Super TD 15W-40	A2, A3, B3, B4, E5, E7	SL, CI-4	MTU: Type 2 MIL: MIL 2104E, MIL 46152B	C4		ECF-1 a				M3275		228.3, 229.1	RLD-2	VDS-3	MACK: E0-M Plus			
Texaco Ursa Super LA 15W-40	A2, B2, E2	CG-4	MTU: Type 1	C4						M271		228.1, 229.1		VDS	MACK: E0-L			
Multi-service agricultural oils																		
Super Universal Tractor Oil Extra 10W-30		CE*, SF*, GL-4*	CCMC: D4	C4	CNH MAT 3525*		ESN-M2C159-B1* ESN-M2C134-D*	JDM J20C* JDM J27*			CMS M1135*, CMS M1139*, CMS M1144*, CMS M1145*				New Holland: NH 030 C* Ford New Holland: FNHA-2-C-201.00*	TE-ML-06B* TE-ML-06C*		
Super Universal Tractor Oil 15W-30		CD*, SE*, GL-4*					ESN-M2C159-B2*				CMS M1135*, CMS M1139*							Denison: HF-0
Total driveline oils																		
Multigear S 75W-90		GL-4*, GL-5*, MT-1*	MIL: PRF-2105E*							3343 Type S 341 Type E3		235.8**			Scania: STO 1:0 Daf: Gearbox oil For ZF Transmissions* Gearbox oil for Eaton Transmissions and rear axles*	02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B		
Multigear 80W-90		GL-4*, GL-5*, MT-1*	MIL: PRF 2105E*							M3343 type M 341 Type E2		235.0*			Scania: STO 1:0 Daf: Gearbox oil For ZF Transmissions* Gearbox oil for Eaton Transmissions and rear axles*	02B, 05A, 07A, 08, 12E, 16B, 16D, 17B, 19B, 21A		
Multigear 75W-90R		GL-4*, GL-5*, MT-1*	PRF-2105E*															
Gear oils																		
Geartex EP-A 80W		GL-4*	MIL: L 2105*							341 Type Z1* 341 Type E1*		235.1*				02A, 08, 17A		
Geartex EP-B 85W-90		GL-5*								342 Type M1		235.0		97310-90*		05A, 07A, 08, 12A, 16C, 17B, 19B, 21A		
Geartex EP-C 85W-140		GL-5*	MIL: L 2105*											97310-91		05A, 07A, 08, 12A*, 16D, 19B*, 21A		
Geartex LS 85W-90		GL-5*														05C, 12C, 16E, 21C		
Transmission fluids																		
Textran TDH Premium		GL-4*		C3*	CNH MAT 3505* CNH MAT 3525*	TO-2*	M2C-134-A/B/C/D*	JDM J20C*			CMS M 1135*, CMS M 1141*, CMS M 1143, CMS M 1145			97303 (WB 101)	Komatsu: KES 07.868.1	03E, 05F, 06K, 17E		
Textran HD				C4*		TO-4								97305-90*	Eaton: Fuller/ Roadrange manual transmissions*			
Automatic Transmission fluids																		
Texamatic 7045E				C4*		TO-2*	Mercon*	III G*		339 Type V1					Aishin Warner: T-III*	04D, 09, 17C	55.6335 (was G607)	
Texamatic 9330							ESW-M2C-33-G* ESW-M2C-33-F* SQM2-9007-AA*	JDM J21 A*						97330*				
Hydraulic oils																		
Rando HDZ 15, 32, 46, 68			ASTM: D6158 Class HM DIN: 51524 Pt3 HVLP ISO: 11158 Class HV SAE: MS1004 MS															Bosch Rexroth: RE 90220 Sperry Vickers: M-2950-S, I-286-S Cincinnati: P-68, P-69, P-70 US Steel: 136, 137
Rando HD 32, 46, 68			ASTM: D6158 Class HM DIN: 51524 Pt2 HVLP ISO: 11158 Class HM SAE: MS1004 MS															Bosch Rexroth: RE 90220* Sperry Vickers: M-2950-S*, I-286-S* Cincinnati: P-68*, P-69*, P-70* Denison: HF-0, HF-1, HF-2 US Steel: 136, 137
Hydra 46			CEC: CEC-L-33-A-93 ISO: ISO: 15380 HEES															Waster Hazard: Water Hazard Class 1
Greases																		
Starplex EP 2			DIN: KP 2N-30 ISO: ISO-L-XCDHB 2											Corporate Std 1277.2				
Multifak EP 2			DIN: KP 2K-30 ISO: ISO-L-XCCEB 2							283		267		1277.18				
Multifak 264 EP 00 / 000			DIN: GP 00/000 K-50 ISO: ISO-L-XEBEB							283 Li-P00		264						Vogel: Central Lubrication Tecalomit: Central Lubrication Lincoln: Central Lubrication
Texclad 2			DIN: MF 2C-10 KF 2C-10 ISO: ISO-L-XAAIB2															
Specialist Fluids & Antifreeze / Coolants																		
Motex 2T		TC	JASO: FB															
Brake Fluid DOT 4			ISO: 4925 Class 3 4925 Class 4 SAE: J 1703 J1704															FMVSS: 116 DOT 3, 116 DOT 4
Havoline XLC			JASO: M 325 SAE J 1034				WSS-M97B44-D	6277M		324 Type SNF		325.3			Leyland Trucks: DW 03245403 DAF: 74002			

† According to ACEA 2008 sequences.

*Performance – product is either (i) not currently formally approved or certified by the OEM or Industry Standard Organisation; or (ii) was formally approved against an OEM specification which is now obsolete. However, in Chevron's opinion the product meets the published requirements or specifications for the applicable OEM approval or Industry Standard Organisation approval.

www.chevronlubricants.com

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