



**PROTECT YOUR FARM EQUIPMENT
SO THEY CAN GO ON AND ON AND ON.**

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.™



PROTECT YOUR EQUIPMENT WITH CASTROL'S NEW PRODUCTS FOR AGRICULTURE

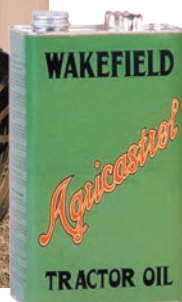


Castrol has always been deeply interested in Agriculture, staying up-to-date not only with the Industry trends, but with customer needs as well. We have been working with farmers for generations and in that time we have developed a wide knowledge about the equipment and the people who form this hugely important sector.

Castrol has a long history in Agriculture, launching its first specialised agricultural lubricants in 1917. Being close to the farming business for over 100 years made us part of your world. We learned and understood all of your challenges and needs. It was all those key insights that have been driving our product development for Agriculture ever since.

And now, as part of our new power brand strategy and the introduction of a completely refreshed portfolio for Commercial Vehicles, we have redesigned our product range for your business in a way that fulfils all your needs. So, whether it is engine oil, transmission fluid or any special product your farming equipment may need, you can easily find it in our new range. Our priority remains unchanged – we want to deliver the products you need with the performance and specifications your equipment requires.

Because you and your business are important.



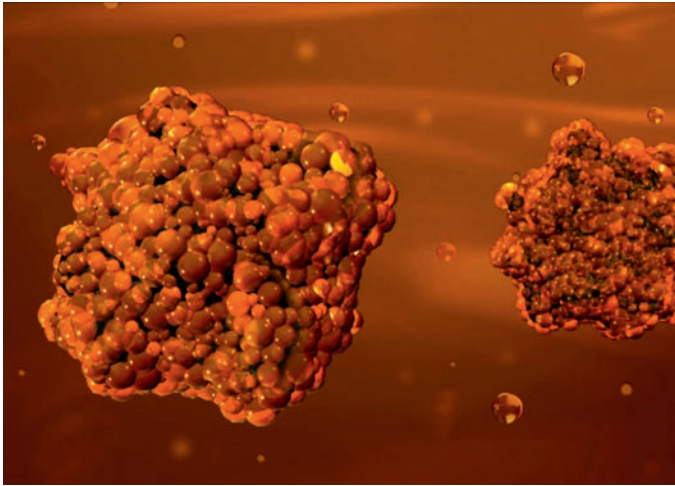
1917 - Agicastro! was an instant success and within a year was used by most Fordson tractors in the UK.

INTRODUCING CASTROL CRB



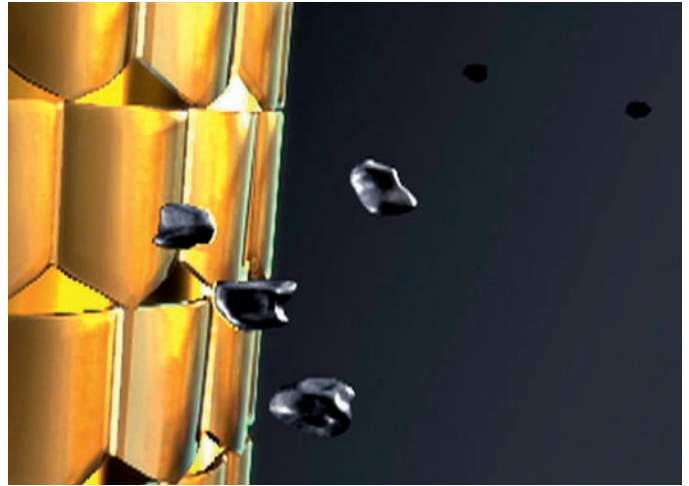
CASTROL CRB TURBOMAX WITH DURASHIELD BOOSTERS™

Castrol CRB Turbomax with specially formulated DuraShield Boosters™ protects against wear to help ensure a long and healthy engine life in two specific ways.



PREVENTS SOOT AGGLOMERATION:

DuraShield Boosters™ form a protective layer around the smaller soot particles, which stops them from forming larger abrasive particles. This helps prevent displacement of oil on moving surfaces, and reduces metal to metal contact.



FORMS PROTECTIVE LAYER:

Castrol CRB Turbomax with DuraShield Boosters™ provides a protective layer on the moving metal surfaces, which resists breakdown even under difficult conditions.

CASTROL CRB MULTI

In the long-run, high temperature operating conditions inside the engine, combined with a build-up of soot, can lead to deposits and oil thickening, blocking vital oil pathways. This can result in reduced engine reliability with increased risk of component failures and downtime, thereby impacting your earnings and livelihood.

Castrol CRB Multi provides effective piston deposit control and maintains its viscosity to encourage long and healthy engine life.

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.™



FIND THE RIGHT REPLACEMENT



OLD PRODUCT	NEW PRODUCT
Agri Power Ultra 10W-40	➤ CRB Turbomax 10W-40 E4/E7
Vanellus Agri 10W-40	➤ CRB Turbomax 10W-40 E4/E7
Agri Power Plus 15W-40	➤ CRB Multi 15W-40 CI-4/E7
Vanellus Agri 15W-40	➤ CRB Multi 15W-40 CI-4/E7
Agri MP Plus 10W-30	➤ TRANSMAX Agri MP Plus 10W-30
Agri MP Plus 10W-40	➤ TRANSMAX Agri MP Plus 10W-40
Vanellus Agri Super Universal 10W-40	➤ TRANSMAX Agri MP Plus 10W-40
Agri MP 15W-30	➤ TRANSMAX Agri MP 15W-30
Agri MP 15W-40	➤ TRANSMAX Agri MP 15W-40
Vanellus Agri Universal 15W-40	➤ TRANSMAX Agri MP 15W-40
Agri Trans Plus 80W	➤ TRANSMAX Agri Trans Plus 80W
Vanellus Agri Super Transmission 80W	➤ TRANSMAX Agri Trans Plus 80W
Agri Trans Plus AS 80W	➤ TRANSMAX Agri Trans AS 80W
Vanellus Agri Super Transmission S 80W	➤ TRANSMAX Agri Trans AS 80W

CASTROL CRB TURBOMAX 10W-40 E4/E7

Castrol CRB TURBOMAX 10W-40 E4/E7 with DuraShield Boosters™ is an engine oil that offers excellent performance and protection for agricultural vehicles using advanced technology additives and base oils.

Features & Benefits

- Delivers up to 40% better wear protection* for long and healthy engine life.
- Maximises power output.
- High detergents for maximum oil service life.
- Excellent cold start properties.

*Average of wear parameters in industry standard tests vs. industry test pass criteria.



Specifications & Approvals

ACEA E4, E7; API CI-4; MB-Approval 228.5; MAN M 3277; RVI RLD-2; Volvo VDS 3; MTU Oil Category 3; Mack EO-N; Deutz DQC III-10; Cummins CES 20077/20078; JASO DH-1; DDC Power Guard 93K215

CASTROL CRB MULTI 15W-40 CI-4/E7

Castrol CRB MULTI 15W-40 CI-4/E7 is a 15W-40 engine oil designed to provide excellent protection for engines in agricultural vehicles.

Features & Benefits

- Helps provide protection of agriculture-type engines to encourage long and healthy engine life.
- Contains cleaning agents which help to displace particles that may otherwise build up on the engine surfaces, reducing deposits.
- Contains anti-oxidants which help to disrupt the chemical reactions that can lead to oil thickening.



Specifications & Approvals

ACEA E7; API CI-4/SL; MB-Approval 228.3; Volvo VDS 3; RVI RLD-2; MTU Oil Category 2; Deutz DQC III-10; Mack EO-M Plus/EO-N; CAT ECF-2; Cummins CES 20077/20078; DDC Power Guard 93K215; Meets the requirements of M3275-1

CASTROL TRANSMAX AGRI MP PLUS 10W-30 AND 10W-40

Castrol TRANSMAX Agri MP Plus is one oil that delivers high performance and protection for engine, transmission, wet brake, hydraulic and front axles.

Features & Benefits

- One oil simplifies servicing, avoiding misapplication.
- One oil reduces inventory, saving money.
- High detergents for maximum oil service life.
- Excellent cold-start protection reduces engine wear.



Specifications & Approvals

SAE 10W-30: API CF-4/SF/GL-4; Massey Ferguson M1145; ZF TE-ML 06B*, 07B; Meets Ford M2C159-B, John Deere JDM J27, Massey Ferguson M1139, M1144; Suitable for use where Case MS 1207, Ford M2C134-D, M2C86-B, John Deere JDM J20C are specified

SAE 10W-40: API CF-4/SF/GL-4; ACEA E2; Massey Ferguson M1145; ZF TE-ML 06B*, 07B; Meets Ford M2C159-B, John Deere JDM J27, Massey Ferguson M1144, M1139; Suitable for use where Case MS 1207, Ford M2C134-D, M2C86-B, John Deere JDM J20C are specified

CASTROL TRANSMAX AGRI MP 15W-30 AND 15W-40

Castrol TRANSMAX Agri MP is a universal API GL-4 oil for most types of farm machinery.

Features & Benefits

- One oil that protects engine, transmission, wet brake, hydraulic and front axles.
- One oil reduces inventory, saving money.



Specifications & Approvals

SAE 15W-30: API CE/SF/GL-4; ZF TE-ML 06B*, 07B; Meets Ford M2C159-C, John Deere JDM J27, Massey Ferguson M1139; Suitable for use where Case MS 1207, Ford M2C86-B or John Deere JDM J20C are specified

SAE 15W-40: API CE/SF/GL-4; ZF TE-ML 06B*, 07B; Meets John Deere JDM J27, Massey Ferguson M1144, Sperry Vickers/ Eaton M2950S, Sperry Vickers/ Eaton I-280-S, Sauer Sunstrand/ Danfoss: Hydrostatic Trans Fluid; Suitable for use where Case MAT 3525, Ford M2C134-D, M2C86-B, M2C159-B, John Deere JDM J20C, Massey Ferguson M1139, New Holland FNHA-2-C-201.00, FNH 82009202, NH 410B are specified

CASTROL TRANSMAX AGRI TRANS PLUS 80W

Castrol TRANSMAX Agri Trans Plus 80W can be used in hydraulic, transmission and PTO of tractors and off-highway equipment.

Features & Benefits

- Outstanding wet clutch and wet brake performance.
- One oil reduces inventory, simplifies servicing, avoids misapplication and saves money.
- Longer component life when compared to conventional hydraulic oils reducing downtime and maintenance costs.
- Maintains operating temperature and smoother gear changing.
- Excellent oxidation stability and anti corrosion properties.



Specifications & Approvals

API GL-4; Massey Ferguson M1145; Volvo Transmission Oil 97303:053 (WB 101); ZF TE-ML 03E, 05F, 17E, 21F; Meets Ford M2C134-D, John Deere JDM J20C; Suitable for use where Case 1207, 1209, MAT 3505, MAT 3525, MAT 3540, Ford M2C86-B or New Holland NH410B are specified

CASTROL TRANSMAX AGRI TRANS AS 80W

Castrol TRANSMAX Agri Trans AS 80W is a universal tractor transmission fluid specifically formulated to protect wet brakes from squawk.

Features & Benefits

- Reduces/eliminates brake chatter.
- Improves brake efficiency.
- Prolongs equipment life.
- Lowers maintenance costs.



Specifications & Approvals

API GL-4; Meets Ford M2C86-B, Massey Ferguson M1135; Suitable for use where New Holland NH 420A is specified



CASTROL HIGH TEMPERATURE GREASE

Castrol High Temperature Grease is a high performance, multi-purpose lithium complex grease with reliable performance across a wide range of temperatures whilst exposed to a variety of operational loads, speeds and environmental conditions. It is particularly suitable for use in automotive bearing applications where rotational speeds may be higher, or prolonged heavy braking may generate higher than normal hub temperatures, such as trucks and buses.

Features & Benefits

- Excellent thermal and mechanical stability ensure prolonged product integrity across a wider operating temperature range, thus enabling extended relubrication intervals and reduced maintenance.
- Good extreme pressure and anti-wear properties provide the potential for prolonged component life.
- Good water resistance provides enhanced protection in applications where the potential for exposure and contamination are higher.
- Good corrosion protection.
- Excellent multipurpose potential enabling a reduction in product inventory.



Specifications & Approvals

NLGI Grade 2

CASTROL AGRI HYDRAULIC OIL PLUS

Castrol Agri Hydraulic Oil Plus is a high viscosity index mineral oil that ensures excellent hydraulic response over a wide temperature range. Castrol Hydraulic Oil Plus satisfies the lubrication requirements of virtually all agricultural hydraulic systems, giving improved levels of protection. Along with ISO VG 46, its wide span viscosity characteristics also make it suitable for use in certain applications where an ISO VG 32 or 68 fluid is required.

Features & Benefits

- Excellent shear stability, maintaining VI throughout the life of the fluid and giving low viscosity change with temperature fluctuation.
- High anti-wear performance, reduced component wear.
- Excellent thermal stability and oxidation resistance, with extended drain potential.
- Excellent water tolerance and demulsification characteristics, reduced oil consumption.



Specifications & Approvals

ISO VG 46; DIN 51524 Part 3; BS 5063 Class HV; DIN Classification HVL





CASTROL TRANSMAX UNIVERSAL LL 80W-90

Castrol TRANSMAX Universal LL 80W-90 is a part-synthetic SAE 80W-90 multipurpose manual transmission and final drive lubricant. It is particularly recommended for use in highly loaded final drives and differentials of commercial vehicles where API GL-5 performance is required and it carries a number of approvals. Additionally it may be used in synchronised manual transmissions requiring API GL-4 or GL-5 fluids.

Features & Benefits

- A single product for transmissions and final drives reducing inventory and the potential for misapplication.
- High temperature stability gives excellent performance and extended drain potential.
- Proven performance as a problem solver in differentials operating in hot climates under arduous conditions.
- Optimised synchroniser performance gives smooth gear shifting at all temperatures.
- High shear stability maintains performance over the life of the lubricant.
- Excellent wear protection particularly at high temperatures extends component life and reduces maintenance costs.



Specifications & Approvals

API GL-4/GL-5; MAN 341 Z2; MAN 342 M2; MB-Approval 235.0; Scania STO 1:0; ZF -TE ML 02B, 05A, 12L, 12M, 16C, 17H, 19B, 21A; Recommended for use in Hino manual transmissions and differentials; Recommended for use where Volvo 1273.10 is required.

CASTROL TRANSMAX AXLE EPX 80W-90 AND 85W-140

Castrol TRANSMAX Axle EPX is a multipurpose axle oil which may be used in differentials, final drives and other applications in passenger cars and commercial vehicles where API GL-5 performance is required. It is approved by MAN and ZF for use in a range of commercial applications including axles in offroad and agricultural equipment.

Features & Benefits

- High load carrying capability ensures gears operating under high loads are protected prolonging component life.
- High film strength ensures protection against wear and shock loads.
- Good thermal/oxidation stability protects against the formation of deposits and oil thickening, prolonging the life of components and lubricant.



Specifications & Approvals

SAE 80W-90: API GL-5; MAN 342 M2; ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A

SAE 85W-140: API GL-5; ZF TE-ML 05A, 12E, 16D, 21A



GET IN TOUCH

To find out more about any of our high-performance products and services...to discuss your needs and issues in more detail...or to arrange a meeting, simply get in touch the way that suits you best.

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