



TEXACO

# DELO<sup>®</sup> HEAVY DUTY PERFORMANCE FOR THE AGRICULTURAL INDUSTRY



**Delo<sup>®</sup>**  
Let's go further.™

# DELO®: A HISTORY OF FIRSTS



**1936**

Marketed first compounded diesel engine oil making high speed diesel engines feasible



**1953**

First in world to develop successful multigrade engine oil



**1989**

First to document million mile, no overhaul engine life in Caterpillar 3406B



**1998**

First heavy duty engine oil to meet the API CH-4, Cummins CES 20076 and Mack EO-M Plus extended drain specifications



**2013**

Chevron receives SAE research award for 'Extending the Boundaries of Diesel Particulate Filter Maintenance with Ultra-Low Ash - Zero-Phosphorus Oil'



**2014**

Launched first low emission oil (API CJ-4) formulated to protect diesel engines using up to 5,000ppm diesel fuel sulphur levels

# LET'S GO FURTHER WITH TEXACO® DELO®

When your heavy duty agricultural tractors and equipment are working reliably, your farm can achieve high productivity. At Chevron, our goal is to optimise your diesel engine performance to help minimise operating costs and maximise engine reliability.

As your lubrication partner, we strive to keep your machinery running reliably. This includes diesel engines, tractor hydraulic systems, transmissions, differentials and wheel bearings, helping to minimise operating costs and maximise performance.

We understand the challenges facing agricultural equipment and tractors today:

- New engine technology development
- Fuel type and quality
- Extending oil and coolant drain intervals
- Multiple critical component lubrication requirements
- Consolidation of lubricant products
- Energy efficiency
- Emission standards.

Count on Chevron's industry experience, technology leadership and the Delo family of premium products to stay ahead of these challenges and help protect and maximise the life of your key machinery and vehicles.



## Reliability and durability are our priority

Chevron lubricants stand for one thing above all else – reliability. Properly lubricating the inside of a heavy duty diesel engine requires more than just creating a protective film. Delo heavy duty engine oils provide soot dispersancy, wear protection and sludge control, to guard against loss of engine life and help reduce fuel and oil consumption.

Additionally, the Delo family of products deliver integrity and performance as proven by various bench testing results. Delo's industry-leading lubricants have logged countless hours providing protection to diesel engine parts and key components, so your agricultural equipment can go further.



# HEAVY DUTY ENGINE OILS PROVIDING WORLD-CLASS PROTECTION

Helping your machinery and business go further, we have the proven lubrication products to fit your needs.

Delo® oils are formulated to provide diesel engine parts protection and performance in the wide range of operating conditions experienced by agricultural equipment. For decades, Delo has been committed to helping your vital engine parts and your business operate efficiently.

## Delo 400 XLE SAE 10W-30

**Long-drain CK-4, E6/E9 low SAPS engine oil with some fuel economy benefits**

- Designed for high performance oxidation resistance
- Promotes wear and corrosion protection
- Helps improve fuel economy
- Backwards compatible
- Formulated for optimum DPF life
- Offers low temperature protection



## Delo 400 MGX SAE 15W-40

**Low SAPS CJ-4, E9/E7 engine oil with strong TBN retention, for use in high and low sulphur fuel regions**

- Wide range of uses helps minimise misapplication
- Reduces large oil inventories and costs
- Helps control soot and valve train wear
- Designed for optimum service with minimal maintenance
- Formulated to aid DPF service life

## Delo 400 XLE HD SAE 10W-40

**Long-drain CJ-4, E6/E9 low SAPS engine oil**

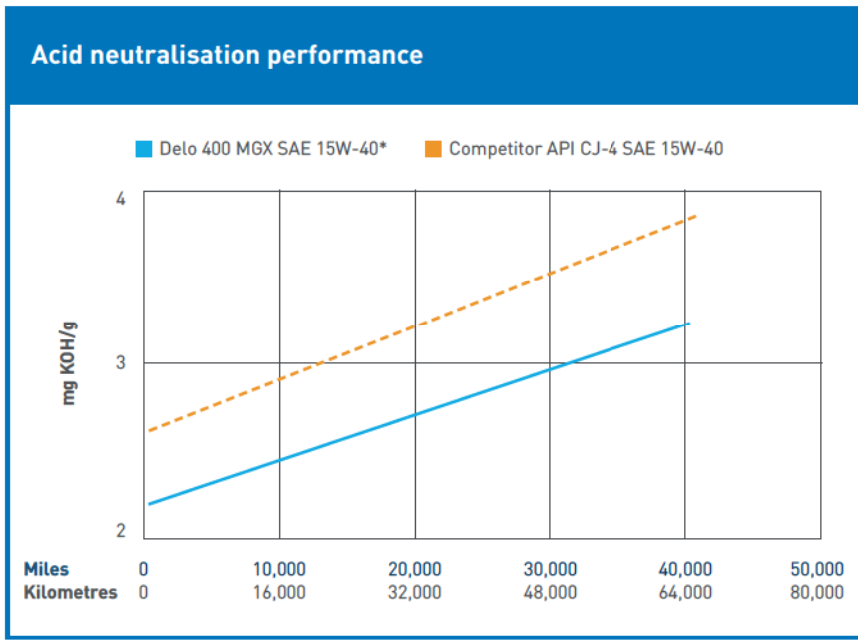
- Suitability for a wide range of OEM applications helps reduce inventories
- Helps keep piston rings, piston lands and valves clean
- Offers latest technology engine protection
- Formulated to reduce emission control system maintenance
- Designed for extended oil drain intervals
- Promotes good cold start wear protection

# HEAVY DUTY ENGINE OILS WITH PROVEN PERFORMANCE RESULTS

## Robust real world testing

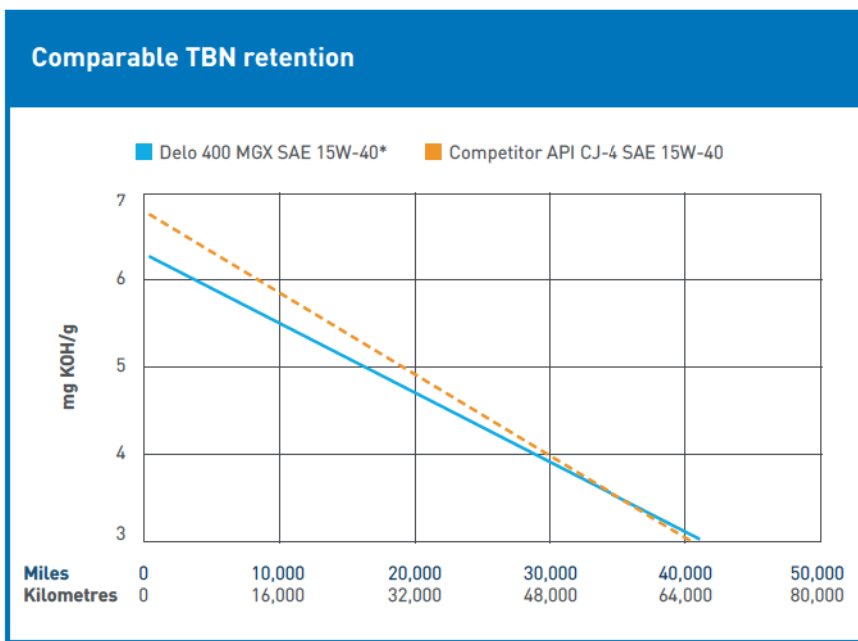
Every day, your agricultural equipment can put heavy duty engine oils to the test with extreme operating conditions, extended oil-drain performance and high loads, to help ensure on time production work. Delo<sup>®</sup> goes further to prove its value across your diesel engines.

In head-to-head field testing, Delo 400 MGX SAE 15W-40 was tested against a well-known leading competitor API CJ-4 product. Delo 400 MGX SAE 15W-40 performed well with comparable TBN retention and showed directionally better acid neutralisation performance.



### Total acid number test

Delo 400 MGX delivered acid neutralisation even in extended-drain applications and performed directionally better than a leading competitor API CJ-4 oil.



### Total base number test

Delo 400 MGX shows lower rate of alkalinity loss indicating its capability to neutralise acids and still retain its effectiveness even in extended-drain applications. Shows directionally better performance than a leading competitor API CJ-4 engine oil.

\* Chart data relates to Delo 400 MGX SAE 15W-40 product blended in Port Arthur, Texas

# PROTECTING YOUR AGRICULTURAL EQUIPMENT, BUMPER-TO-BUMPER

Vehicles used in the agricultural service need to be able to work reliably both on and off road, ensuring that valuable harvests make it to their intended destination on time and in good condition.

Delo® heavy duty engine oils, extended life coolants, greases and gear oils are specially formulated to help meet the intense demands your agricultural equipment and tractors face.

## Engine crankcase

Delo 400 XLE SAE 10W-30  
Delo 400 MGX SAE 15W-40  
Delo 400 XLE HD SAE 10W-40  
Delo Gold Ultra E SAE 15W-40  
Delo 400 RDE SAE 10W-30  
Delo 400 RDS SAE 10W-40  
Delo Gold Ultra T SAE 10W-40  
Delo 400 XSP SAE 5W-40  
Delo Gold Ultra E SAE 10W-40

## Differentials & gear drives

Texaco 1000 THF  
Super Universal Tractor Oil  
Extra SAE 10W-30, 10W-40

## Hydraulic system

Clarity Synthetic Hydraulic Oil AW 32, 46, 68  
Rando HEES 46  
Clarity Hydraulic Oil AW 32, 46, 68  
Rando HD LVZ 32, 46, 68  
Rando Ashless 8401  
Rando HDZ 15, 22, 32, 46, 68  
Rando HD 32, 46, 68  
Hydraulic Oil HDZ 32, 46, 68  
Hydra 46  
Texaco 1000 THF

## Coolant system

Delo XLC Antifreeze/Coolant  
Delo XLC PG Antifreeze/Coolant

## Transmissions

Texaco 1000 THF  
Super Universal Tractor Oil  
Extra SAE 10W-30, 10W-40

## General lubrication

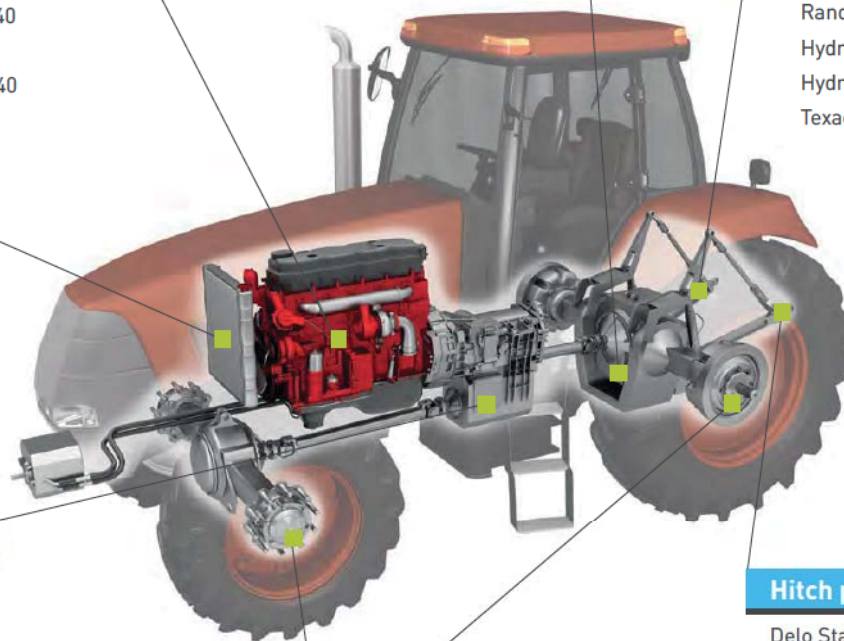
Molytex EP 2 (where extra protection required, e.g. pinions and attachments)

## Bearings

Delo Starplex EP 2  
Delo Grease MM EP 2  
Hytex EP 2 LF

## Hitch pins

Delo Starplex EP 2  
Delo Grease MM EP 2  
Molytex EP 2  
Hytex EP 2 LF



# COOLANTS TO PROTECT ALL TYPES OF COOLING SYSTEMS

Producing an enormous amount of heat, heavy working diesel engines in agricultural vehicles and equipment require good cooling system protection and maintenance.

Delo® coolants help deliver high performance and value.

Keeping your engines operating efficiently requires a high performing, extended life coolant – plus a good coolant maintenance programme. Delo XLC Antifreeze/Coolant has a proven track record for high performance.

Delo XLC delivers optimum engine performance and simplifies the way cooling systems are maintained. Our patented corrosion inhibitors help maximise hardware parts performance and heat transfer over the life of your engine. That's protection that has stood the test of time through countless hours of performance.

Compared to conventional coolants, Delo XLC products can help minimise operation costs and maximise your engine life.

**Delo XLC Antifreeze/Coolant**  
Concentrate, Premixed 50/50, Premixed 40/60

#### Extended life antifreeze/coolants

- Formulated for long, low maintenance service life
- Offers 8 years or 15,000 hours in off-highway use
- Promotes reliability and corrosion protection
- Contributes to reliable hard water stability
- Aids high temperature corrosion protection

**Delo XLC PG Antifreeze/Coolant Concentrate**

Extended life Propylene Glycol antifreeze/coolant

**Delo XLI Corrosion Inhibitor Concentrate**

Extended life corrosion inhibitor

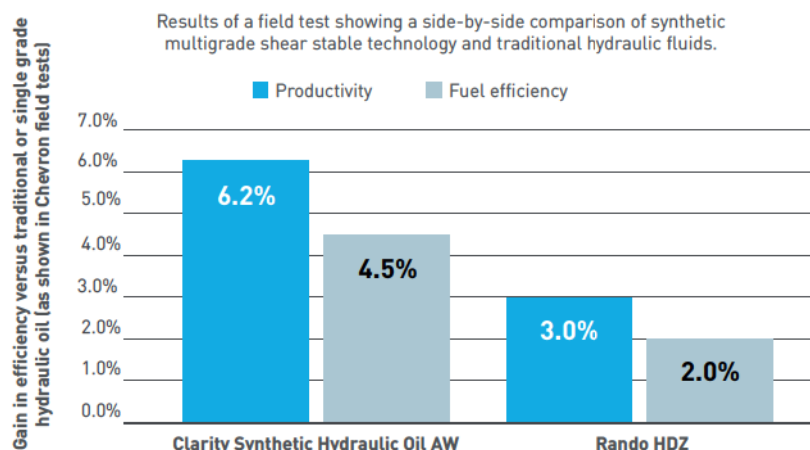


# PREMIUM FLUIDS FOR HYDRAULICS

Texaco® has a complete family of hydraulic oils that can help minimise costs and could create a material improvement in productivity.

|  |  |
|--|--|
| <b>Clarity Synthetic Hydraulic Oil AW 32, 46, 68</b>   |  |
| <b>Ashless premium performance high productivity synthetic hydraulic fluids</b>  |  |
| <ul style="list-style-type: none"> <li>Ultra high performance wear and oxidation protection</li> <li>Rust and corrosion resistance</li> </ul>                              | <ul style="list-style-type: none"> <li>Hydrolytic stability, rapid water separation, foam inhibition and filterability</li> <li>Very low acute aquatic toxicity</li> </ul> |
| <b>Rando HEES 46</b>   |  |
| <b>Biodegradable, high premium performance ester based hydraulic oil; Ecolabel approved</b>  |  |
| <ul style="list-style-type: none"> <li>Wide service temperature window</li> <li>Ecolabel-'Euro Margerite' compliant</li> <li>Meets Swedish Standard SS 15 54 34</li> </ul> | <ul style="list-style-type: none"> <li>Extended oil drain</li> <li>Offers long fluid service life</li> <li>WGK 1 WGK Classification</li> </ul>                             |
| <b>Clarity Hydraulic Oil AW 32, 46, 68</b>   | <b>Rando HD LVZ 32, 46, 68</b>   |
| <b>Ashless high performance long life hydraulic oils</b>   | <b>Zinc-based premium performance high productivity synthetic hydraulic oils</b>   |
| <b>Rando Ashless 8401</b>  | <b>Rando HDZ 15, 22, 32, 46, 68</b>  |
| <b>Zinc-free multigrade hydraulic fluid</b>  | <b>Multi-viscosity anti-wear hydraulic fluid</b>   |
| <b>Rando HD 32, 46, 68</b>   | <b>Hydraulic Oil HDZ 32, 46, 68</b>  |
| <b>Zinc-based monograde hydraulic oils</b>   | <b>Heavy duty zinc-based multi-viscosity anti-wear hydraulic oils</b>  |
| <b>Hydra 46</b>  |  |
| <b>Biodegradable hydraulic fluid for applications where environmental contamination may occur</b>  |  |

## Productivity & fuel efficiency in hydraulic excavators



By using premium hydraulic fluids, productivity and fuel efficiency can be improved relative to traditional hydraulic oils, as shown here.

These improvements have been measured in side-by-side testing versus standard types of hydraulic oil. Results show up to a 6.2% increase in productivity (material moved per hour) and as much as a 4.5% increase in fuel efficiency.

# HEAVY DUTY GREASES FOR AGRICULTURAL OPERATIONS

To help your agricultural equipment go further, it's important that every part operates smoothly. Our Texaco® premium grease products are formulated to provide high performance and long-life protection, across a range of operating conditions.

|  |   |
|--|---|
| <b>Delo Starplex EP 2</b>  |   |
| <b>Multi-purpose lithium complex grease</b>  |   |
| <ul style="list-style-type: none"> <li>High thermal resistance</li> <li>Aids long-term wear, corrosion and oxidation protection</li> </ul> | <ul style="list-style-type: none"> <li>Mechanically stable</li> <li>Helps protect against dust, dirt and water ingress</li> </ul> |
| <b>Delo Grease ESI HD Moly 3% EP 1</b>   |   |
| <b>Lithium complex grease with 3% Molybdenum Disulphide (MoS<sub>2</sub>)</b>  |   |
| <ul style="list-style-type: none"> <li>Corrosion and wear protection</li> <li>Water resistance</li> </ul>                                  | <ul style="list-style-type: none"> <li>Shock load protection</li> <li>Performance across a wide temperature range</li> </ul>      |
| <b>Delo Grease ESI HD Moly 5% EP 2</b>   |   |
| <b>Lithium complex grease with 5% Molybdenum Disulphide (MoS<sub>2</sub>)</b>  |   |
| <ul style="list-style-type: none"> <li>Corrosion and wear protection</li> <li>Water resistance</li> </ul>                                  | <ul style="list-style-type: none"> <li>Shock load protection</li> <li>Performance across a wide temperature range</li> </ul>      |
| <b>Delo Grease MM EP 2</b>   | <b>Texclad 2</b>  |
| <b>Extreme pressure multi-purpose lithium grease</b>   | <b>Calcium grease containing Molybdenum Disulphide (MoS<sub>2</sub>) and Graphite</b>   |
| <b>Texclad AL EP 00/000, EP 0, EP 1, EP 2, HV 0</b>  | <b>Molytex EP 2</b>   |
| <b>Aluminium complex greases for high pressure load protection</b>   | <b>Multi-purpose heavy duty EP lithium grease containing Molybdenum Disulphide (MoS<sub>2</sub>)</b>                              |
| <b>Marfak 00, 1</b>  | <b>Clarity Synthetic EA Grease</b>  |
| <b>Sodium greases designed to provide inherent rust protection</b>   | <b>Biodegradable anhydrous calcium grease for use in bearings in wet and corrosive environments</b>                               |



# BEST-IN-CLASS TOOLS AND SERVICES FOR AGRICULTURE

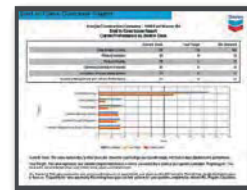
## Chevron reliability

The RBL™ Programme is our commitment of business support and reliability – Chevron’s lubrication expertise combined with superior products and a tailored service programme work together to help your business Run Better Longer.



## Best in Class assessments

Through our RBL Programme, Chevron lubrication specialists who understand agricultural equipment can conduct an assessment of your current lubrication programme to help identify areas for improved performance compared to industry-best peers.



## LubeWatch® used oil analysis

Chevron’s premier programme incorporates standardised lubricant sampling and unique online tools to help ensure optimised equipment drain intervals and performance checks to ensure long machinery life.



## Coolant maintenance kit

This kit helps ensure long life coolant system protection. It provides easy-to-use tools to monitor optimal coolant life along with incorporating helpful coolant knowledge information.



**To find out more about how our products and services can assist you, contact your Texaco® Representative, your Authorised Texaco Distributor or visit [texacodelo.com](http://texacodelo.com)**

[texacodelo.com](http://texacodelo.com)



The products featured are shortlisted. There is a full suite of Texaco® products that can tailor to customers' needs. Not all products featured are available in your market. Check with your local Texaco sales representative to find out more. Always check OEM requirements when making changes and utilise used oil analysis for extended oil drain intervals.



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