

**DELO WITH ISOSYN TECHNOLOGY** VS. **CONVENTIONAL DIESEL ENGINE OIL**

It all starts with the premium base oil manufacturing.



Light Neutral Heavy Neutral

Base Oils made with Chevron ISOCRACKING/ISODEWAXING Catalyst



Light Neutral Heavy Neutral

Conventional Solvent Dewaxing Base Oil Technology

Next is the use of high performance additives that allow for excellent soot dispersancy, which reduces sludge build-up and minimises viscosity increase.



Delo High Performance Additive Formulation Provides Excellent Soot Dispersancy and Helps Prevent Deposit Build-up



Economical Heavy-Duty Engine Oil Additive Formulation Provides Poor Soot Dispersancy Which Increases Sludge Formation

Combining the above with Chevron's formulation expertise, Delo with ISOSYN Technology provides superb protection to critical engine parts.



Delo with ISOSYN Technology Protects Critical Engine Parts to Help Maximise Engine Life



Economical HDEO Formulation Sacrifices Protection for Cost and Limits Critical Engine Life



**CALTEX**

[www.CaltexDelo.com](http://www.CaltexDelo.com)



A Chevron company product  
©2015 Chevron South Africa (Pty) Limited. All rights reserved. All trademarks are the property of Chevron Intellectual Property LLC.

**ISOSYN<sup>®</sup>**  
**is why**



**CALTEX**



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

**WHAT IS ISOSYN<sup>®</sup> ?**

ISOSYN Technology is how Chevron formulates its top tier Delo products. It's the combination of our premium base oils, high performance additives, with Chevron's formulation expertise that provide superb diesel engine parts protection. All at an outstanding value.

**ISOSYN<sup>®</sup> TECHNOLOGY**



Premium Base Oils

+



High Performance Additives

+



Chevron Formulation Expertise

=



**DELO<sup>®</sup> WITH ISOSYN<sup>®</sup> TECHNOLOGY LETS YOU GO FURTHER**

Delo with ISOSYN Technology provides the following benefits:

- Provides Extended Service Protection
- Maximises Engine Durability
- Minimises Operating Costs

**PERFORMANCE ACROSS VARIOUS INDUSTRIES**

Delo with ISOSYN Technology has logged millions of miles and thousands of hours in various diesel engines in all types of conditions. Industries that can benefit from Delo with ISOSYN Technology include:

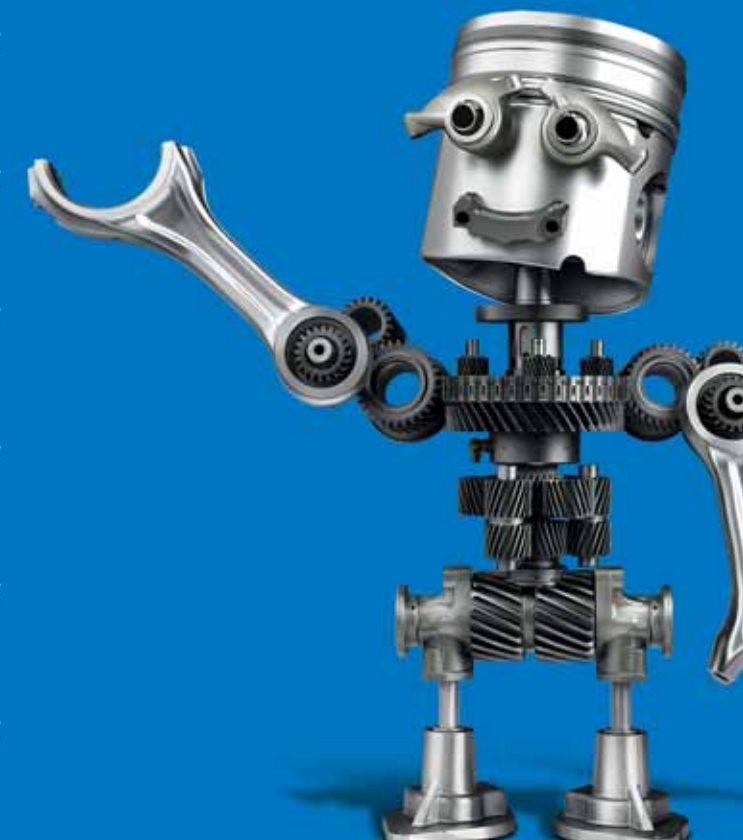
- Owner-Operators
- Fleets
- Construction
- Agriculture
- Mining
- Marine

**THE PROMISE DELO<sup>®</sup> DELIVERS**

The ultimate value of Delo with ISOSYN Technology for customers is that it:

- Provides excellent soot dispersancy and sludge protection
- Protects critical engine parts
- Delivers confidence to work equipment to its maximum productivity

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





## Delo® Family of Premium Products

For bumper-to-bumper protection, the Delo® family of premium products can provide protection for all critical equipment components to ensure maximum productivity.

Delo® is Caltex's premium lubricant brand for heavy-duty diesel vehicles. Delo® delivers confidence to commercial and industrial professionals who require the best equipment performance and protection.

Our customer commitment has led us to constantly improve our products and reliability offering. The Delo® family of products has been designed as a complete premium portfolio to protect your vehicles.

The Delo® family of products provides the protection customers need to be confident that they can maximise equipment productivity and minimise costly repairs or downtime.

**Delo® helps you go further.**

To learn more about the complete Delo® product line, visit us at [www.CaltexDelo.com](http://www.CaltexDelo.com).



Delo® 400 LE



Formulated with ISOSYN® Technology that rivals synthetic performance, Delo® 400 LE provides extended service protection, maximises engine durability, and minimises operating costs.

### Benefits:

- API CJ-4 licensed and meets ACEA E9
- "Low-SAPS" formulation specifically designed for the latest low emission engines fitted with diesel particulate filters, but also those fitted with EGR and/or SCR systems
- Provides excellent wear protection and helps prolong engine life
- Maintains soot dispersancy – helps prevent filter plugging
- Limits deposit formation and protects critical engine parts
- Meets major OEM performance standards including Caterpillar ECF-3, Volvo VDS-4, Cummins CES 20081 and others



Delo® Grease ESI®



A multi-purpose EP automotive wheel bearing and chassis grease designed for superior performance under harsh conditions. It is engineered to minimise friction and wear, providing exceptional protection and performance.

### Benefits:

- Meets NLGI-LB
- Formulated with ISOSYN® Technology
- Superb rust protection
- Excellent water washout performance
- Reduces complexity and versatile in a number of applications



Delo® 400 Multigrade



Formulated with ISOSYN® Technology to provide exceptional soot dispersancy, deposit control and wear protection.

### Benefits:

- API CI-4 Plus licensed
- "Universal" formulation provides excellent overall performance in mixed fleets of different engine designs
- Provides exceptional oxidation stability and soot control, extending oil drain capability
- Designed for electronically controlled diesel engines, including those with EGR and /or SCR systems
- Meets major OEM and industry performance standards including Caterpillar ECF-2, Mack EO-N Premium Plus 03, JASO DH-1, EMA Global DHD-1 and others



Delo® Synthetic Transmission Fluid SAE 50

Formulated for extended drain and severe service and recommended for factory and service fill of North American heavy-duty manual transmissions, such as those manufactured by Eaton and Mack.

### Benefits:

- Approved for use under Mack TO-A Plus specification
- Up to 1,200,000 kilometres extended warranty
- Excellent thermal and oxidation stability
- Wide operating temperature range
- Unique additive package provides protection against gear wear and copper corrosion
- Formulated to provide long life for heavy-duty transmissions



Delo® Gold Ultra



Formulated with ISOSYN® Technology to provide a high level of wear protection for critical diesel engine parts. Maintains soot dispersancy that helps prevent engine deposits and keep parts clean. Maximises engine durability.

### Benefits:

- API CI-4 licensed
- Provides superb wear protection and helps maximise engine life
- Maintains soot dispersancy and helps prevent sludge build-up
- Maintains viscosity in tough diesel engine operating conditions
- Meets major OEM performance standards including Caterpillar ECF-1-a, Volvo VDS-3, Cummins CES 20078, Daimler MB Approval 228.3, MAN 3275-1 and others



Delo® Gear Lubricant ESI®



Formulated with ISOSYN® Technology and compounded with a unique extreme pressure additive utilising an inorganic borate compound. It also contains a patented, synergistic combination of additives that protect against wear, seizure, oxidation, corrosion, rust and foam.

### Benefits:

- Formulated to provide long life for gears, bearings and seals
- Outstanding thermal and oxidation stability for long service intervals
- Provides a wear protective film 3 to 5 times thicker than conventional sulphur-phosphorous technology
- Compatible with other gear lubricants
- Ideally suited for gear sets exposed to extreme high temperature and loads
- Compatible with all seal materials



Delo® Extended Life Coolant (Delo® ELC)  
Delo® Extended Life Coolant Nitrite Free (Delo® XLC) (Premix 50/50)

Formulated with a proven carboxylate additive technology to provide extended life in cooling systems for heavy-duty diesel engines without requiring any supplemental coolant additives (SCAs) to maintain protection.

### Benefits:

- Superb heat transfer capability in diesel engines.
- 1,200,000 kilometres/15,000 hours of protection (Delo® ELC)
- 960,000 kilometres/12,000 hours of protection (Delo® XLC)
- Provides excellent water pump seal protection
- Cavitation protection for wet sleeve liners