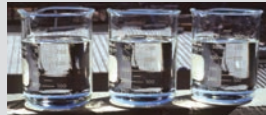


CALTEX DELO® WITH ISOSYN® TECHNOLOGY VS. CONVENTIONAL DIESEL ENGINE OIL

It all starts with the premium base oil manufacturing.



Light Neutral Heavy Neutral

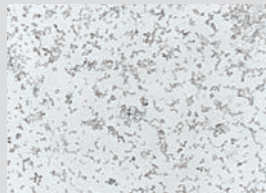
Base Oils made with Caltex ISOCRACKING®/ISODEWAXING® Catalyst



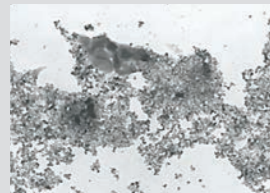
Light Neutral Heavy Neutral

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.



Caltex 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 Caltex formulation expertise, Caltex 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



ISOSYN® is why



Delo® Let's go further.®

www.caltexdelo.co.za
ZALubricantsTechSupport@astronenergy.co.za

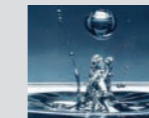
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Delo® Let's go further.®

WHAT IS ISOSYN® ?

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

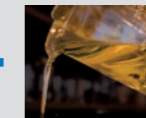
ISOSYN® TECHNOLOGY



Premium Base Oils



High Performance Additives



Caltex Formulation Expertise



CALTEX DELO® WITH ISOSYN® TECHNOLOGY LETS YOU GO FURTHER

Caltex Delo® with ISOSYN® Technology provides the following benefits:

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

PERFORMANCE ACROSS VARIOUS INDUSTRIES

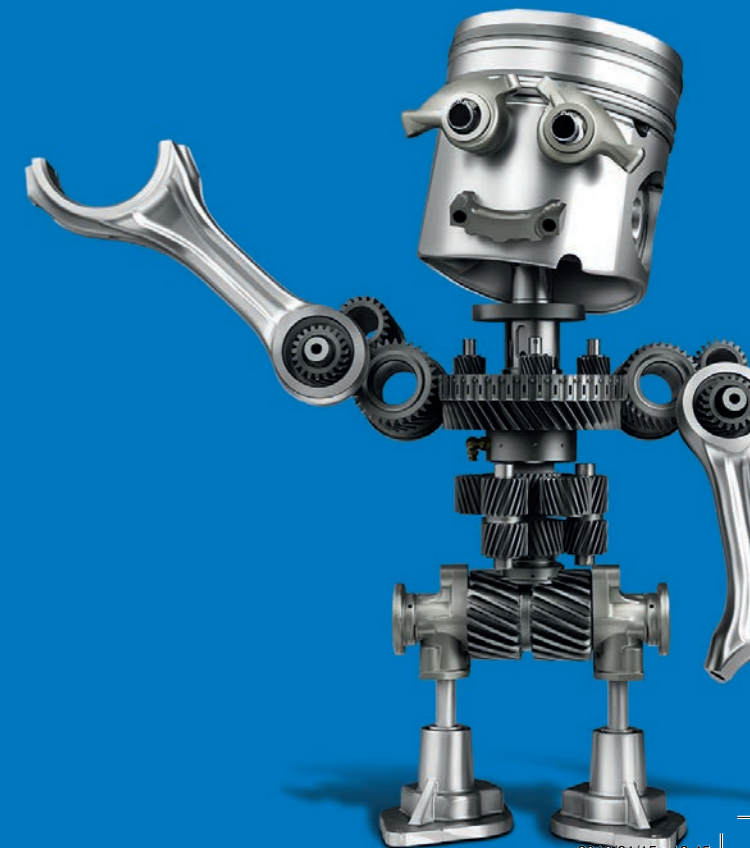
Caltex Delo® with ISOSYN® Technology has logged millions of miles and thousands of hours in various diesel engines in all types of conditions. Industries that can benefit from Caltex Delo® with ISOSYN® Technology include:

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

THE PROMISE CALTEX DELO® DELIVERS

The ultimate value of Caltex 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



Caltex Delo® Family of Premium Products

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

Caltex Delo® is Caltex's premium lubricant brand for heavy-duty diesel vehicles. Caltex 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 Caltex Delo® family of products has been designed as a complete premium portfolio to protect your vehicles.

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

Caltex Delo® helps you go further.

To learn more about the complete Caltex Delo® product line, visit us at www.caltexdelo.co.za

Delo® 400 MGX



Delo® 400 MGX SAE 15W-40 with ISOSYN® Technology is a world-class diesel engine oil formulated to provide superb protection to diesel engine parts in EITHER low- or high-sulphur diesel fuel and provide superb protection and performance in severe operating conditions, regardless of the type of diesel engine (older or newer low emissions) or fuel sulphur level burned in the engine.

Benefits:

- Minimised operating costs: exceptional soot dispersancy and wear control, optimum service life with minimal maintenance and downtime.
- Excellent emission control system life: provides optimum Diesel Particulate Filter (DPF) life.
- Managed inventory costs: backward compatible with previous API Oil Service Categories and engine models.

Delo® 400 MGX SAE 15W-40 exceeds industry and most engine manufacturers' performance requirements:

- API CJ-4, CI-4, CH-4 / SM, CI-4 PLUS
- ACEA E9 / E7
- Caterpillar ECF-3, ECF-2
- Cummins CES 20081
- DAF / PACCAR MX: For engines requiring API CJ-4 / ACEA E9 performance oils
- Daimler MB-Approval 228.31
- Detroit Diesel DDC Power Guard 93K218
- DEUTZ DQC III-10 LA
- Ford WSS-M2C171-E
- JASO DH-2
- Mack EO-O Premium Plus
- MAN M 3575
- MTU Category 2.1
- Renault VI RLD-3
- Volvo VDS-4

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® Syn-Trans XE SAE 75W-90



Delo® Syn-Trans XE SAE 75W-90 is a premium heavy-duty transmission fluid engineered to provide excellent fluid shear stability and superb frictional characteristics to promote smooth, easy shifting. The high-performance additives allow for excellent resistance to rust and corrosion, and are compatible with various types of ferrous and yellow metals.

Benefits:

- Extended drain capabilities
- Extreme pressure protection
- Superb thermal and oxidation stability
- High viscosity index and low pour point
- Wide seal compatibility
- Excellent shear stability
- Fuel economy performance

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® 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® XLC Antifreeze/Coolant - Premixed 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:

- Excellent heat transfer compared to silicate containing coolants
- Service life of 960 000 kilometres/12 000 hours/6 years with no Extender needed
- Excellent protection against pitting, corrosion and erosion
- Maximum water pump life