Let’s Go Further with Delo® TorqForce Products.

When your heavy-duty equipment is working, your business is driving profits. At Chevron, our goal is to optimize your heavy off-road equipment component performance — helping to minimize operating costs and maximize equipment uptime & reliability.

As your lubrication partner, Chevron Lubricants, strives to help keep your off-road heavy equipment running reliably and efficiently in all kinds of operating conditions, including cold weather or extreme oil-drain intervals.

We understand the challenges facing off-road heavy equipment customers today and in the future:

- New advanced off-road transmissions, hydraulics and axles
- Providing ease of start-up and productivity performance
- Improving fluid and system cleanliness
- Extending oil drain intervals
- Increasing equipment and component reliability

Count on Chevron’s industry experience, technology leadership and the Delo® TorqForce family of premium products to help you stay ahead of these challenges and protect the life of your heavy-duty off-road vehicle components.

Reliability & Durability Are Our Priority.

Chevron lubricants stand for one thing above all else: reliability. Properly lubricating heavy-duty hydraulics, transmissions and differentials requires more than just creating a protective film. Chevron’s advanced Delo TorqForce formulas provide very good oxidation and sludge resistance, excellent fluid cleanliness filtration performance and superb wear control to protect against loss of component performance and life. Delo TorqForce products have been formulated with ISOSYN® Technology to specifically protect your heavy duty off-road equipment. Delo’s industry-leading lubricants have logged countless hours providing superior protection so your equipment can go further.

Delo® Protects with ISOSYN® Technology.

The Delo TorqForce difference?

ISOSYN Technology. It helps deliver the protection, performance and reliability you demand to help increase component uptime.

Chevron uses ISOSYN® Technology to formulate its top-tier Delo products. Premium base oils with high-performance additives, combined with our formulation expertise, provide superb protection for off-road hydraulic, transmission and differential parts – at an outstanding value.

**ISOSYN Technology**

![Premium Base Oils](image1)

![High Performance Additives](image2)

![Chevron Formulation Expertise](image3)

**Delo with ISOSYN® help provide:**

- Extended service protection
- Maximized equipment durability and life
- Minimized operating costs

**Excellent Customer Reliability**

Delo with ISOSYN® Technology protects critical off-road vehicle components to help maximize vehicle life.
Delo® TorqForce products are formulated to protect critical components in off-road equipment operating under high loads and severe service operating conditions.

They help protect precision parts against wear under high load conditions by controlling the formation of corrosion, varnish and sludge to keep metal parts clean and help prevent premature breakdown. Excellent frictional control helps prevent clutch slippage and offers quiet and efficient action of transmission and brakes while minimizing wear.

Delo TorqForce products are designed for both newly developed and older model drive train components. They exceed most industry and manufacturers’ performance requirements:
- Caterpillar TO-4
- Dana Powershift (SAE 10W, 30)
- Komatsu KES 07,868.1
- Komatsu Dresser
- Trelleborg TTC
- Vickers 35V225 (SAE 10W, 30)
- ZF TE-ML 03C (SAE 10W, 30)
- ZF TE-ML 00TF (SAE 30)
- Eaton Fuller/Roadranger Manual Transmissions (SAE 50 – Standard Drain Applications)
- Meritor (Rockwell) Manual Transmissions (SAE 50 – Standard Drain Applications)

Protecting transmissions, hydraulics and differentials is critical to achieving total equipment reliability.

To keep your mining and construction equipment operating at high efficiency takes premium products to help ensure superb protection. Delo transmission and hydraulic products provide long-term performance.

Delo TorqForce fluids are engineered for long life and superb oxidation resistance. They are formulated with special additive chemistry that allows for ultra-fine filtration which provides exceptional fluid cleanliness and equipment reliability performance.

Delo TorqForce fluids offer excellent friction retention, wear control, seal compatibility, oxidation stability and stay-in-grade viscosity performance.

<table>
<thead>
<tr>
<th>Product</th>
<th>Off-Road Equipment Component Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delo TorqForce SAE 10W</td>
<td>Hydraulics</td>
</tr>
<tr>
<td>Delo TorqForce SAE 30</td>
<td>Transmission/Hydraulics/Wet Brakes/Converter</td>
</tr>
<tr>
<td>Delo TorqForce SAE 50</td>
<td>Differentials</td>
</tr>
<tr>
<td>Delo TorqForce SAE 60</td>
<td>Differentials</td>
</tr>
</tbody>
</table>
**Improved Filterability**

Delo TorqForce is formulated with special additive chemistry that allows for ultra-fine filtration which provides exceptional fluid cleanliness and equipment reliability performance. Delo TorqForce can achieve cleanliness levels down to 18/16/13 and potentially cleaner with the appropriate Chevron-approved ISOCLEAN® Program.

**Enhanced Shear Stability**

Delo TorqForce formulations provide better shear stability against standard TO-4 only products. As shown in the CEC L-45-A-99 KRL Shear (shear stability test) - Delo TorqForce retains its shear stability better than standard TO-4 only products in this test. Shear stability of the fluid is critical in protecting key gears and bearings in transmission and differential components.

**Excellent Wear Protection**

Delo TorqForce formulations can provide improved wear protection over standard TO-4 only products. As shown in the ASTM D 4998 gear wear test versus standard formulated TO-4 products – Delo TorqForce can support higher load protection of critical components.

**High Performance Corrosion Protection**

Delo TorqForce protects against rust and corrosion of highly finished precision parts when operating in humid conditions and during seasonal shutdown periods. Preventing rust and corrosion helps improve reliability of components and maintains system fluid cleanliness to ensure long equipment life.

### CEC L-45-A-99 KRL Shear (Shear Stability Test)

<table>
<thead>
<tr>
<th></th>
<th>Delo TorqForce SAE 30</th>
<th>Competitor A SAE 10W TO-4 Fluid</th>
<th>Competitor B SAE 10W TO-4 Fluid</th>
</tr>
</thead>
<tbody>
<tr>
<td>New oil unsheared viscosity</td>
<td>10.82 (cSt)</td>
<td>8.04 (cSt)</td>
<td>6.21 (cSt)</td>
</tr>
<tr>
<td>Used oil sheared viscosity</td>
<td>10.82 (cSt)</td>
<td>6.91 (cSt)</td>
<td>5.71 (cSt)</td>
</tr>
<tr>
<td>% Viscosity loss from shear</td>
<td>1.80%</td>
<td>14.10%</td>
<td>8.10%</td>
</tr>
</tbody>
</table>

### ASTM D4998 - Gear Wear Test

- Pinion gear weight loss (mg, iron wear)
- Drive gear weight loss (mg, iron wear)
- Total gear weight loss (mg, iron wear)

**ASME D1748 – Corrosion Panel Test (200 Hours)**

- Delo TorqForce SAE 30
- Competitor A SAE 30 TO-4 Fluid
- Competitor B SAE 30 TO-4 Fluid