



DELO[®] TORQFORCE[®] SYN SAE 5W-30 (formerly 5W-20)

PRODUCT DESCRIPTION

Delo[®] TorqForce[®] Syn SAE 5W-30 is a high performance fully synthetic lubricant designed for use in transmissions and hydraulic systems.

CUSTOMER BENEFITS

Delo TorqForce Syn SAE 5W-30 delivers value through:

- **Long equipment life** — Special additives protect metal surfaces against scuffing and wear even under operating conditions of high temperature and high load.
- **Smooth operation** — Excellent frictional control helps prevent clutch slippage and assures quiet and efficient action of transmission and brakes while minimizing wear.
- **Extreme temperature performance** — Excellent cold weather pumpability in sub-zero/ arctic operating conditions. Very good high operating temperature performance for severe service applications.
- **Improved filterability** — Delo TorqForce Syn SAE 5W-30 is formulated with special additive chemistry that allows for ultra-fine filtration which provides exceptional fluid cleanliness and equipment reliability performance.
- **Minimal downtime** — Good compatibility with seals, O-rings, and packing materials maintains their good condition and keeps leakage at a minimum.
- **Long oil life** — Outstanding ability of the synthetic base stock to withstand oxidation at high operating temperatures resulting in long service life for the oil.
- **Reliable operation** — Formulation helps keep metal parts clean and free of varnish and sludge deposits that could result in premature breakdown.

- **Minimizing weather and storage concerns** — Protects against rust and corrosion of highly finished precision parts when operating in humid conditions and during seasonal shutdown periods.
- **Warranty Plus protection** — Bumper-to-bumper warranty protection from the engine to the drive train. Payment for Chevron lubricant-related damage to your equipment, including parts and labor.¹ Problem resolution and technical advice from Chevron's lubrication experts.

FEATURES

Delo TorqForce Syn SAE 5W-30 is a high performance lubricant designed for use in transmissions and hydraulic systems operating in arctic conditions and requiring a fluid meeting Caterpillar TO-4. It is also recommended for transmission and hydraulic systems manufactured by Dana Powershift, Komatsu, Vickers and ZF.

ISOSYN
TECHNOLOGY[®]

Delo TorqForce Syn SAE 5W-30 is formulated with synthetic base oils and additives to provide excellent friction retention, wear control, seal compatibility, oxidation stability, and viscosity stability. The frictional characteristics of the fluid are retained over the life of the lubricant.

Components are protected from wear, even under high load conditions by controlling the formation of corrosion, varnish, and sludge.

Delo TorqForce Syn SAE 5W-30 is designed for both newly developed and older model drive train components. It provides high performance throughout the seasons, maintaining optimal stability in a wide range of ambient temperatures.

¹ See Warranty Plus for details and restrictions.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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APPLICATIONS

Delo TorqForce Syn SAE 5W-30 is recommended for use in **Allison, Caterpillar, Dana Powershift, Komatsu, Vickers** and **ZF** transmissions, wet brakes, and hydraulic systems operating in arctic conditions.

It is not recommended for use in combined farm tractor hydraulic and transmission systems where low brake chatter is a requirement.

Delo TorqForce Syn SAE 5W-30 meets:

- service requirements of **Caterpillar** TO-4

Delo TorqForce Syn SAE 5W-30 is recommended for:

- **Allison C-4**
- **Dana Powershift**
- **Komatsu** KES 07.868.1
- **Vickers** 35VQ25
- **ZF** TE-ML-03C

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

TYPICAL TEST DATA

SAE Grade	Test Method	5W-30
<i>Product Number</i>		278100
<i>SDS Number</i>		54573
Density at 15°C, kg/L	ASTM D4052	0.8657
Viscosity, Kinematic cSt at 40°C cSt at 100°C	ASTM D445	53.8 10.5
Viscosity Index	ASTM D2270	189
Viscosity, Brookfield, cP at -35°C	ASTM D2983	15,400
Viscosity, Cold Crank, cP at -30°C	ASTM D5293	5,500
Viscosity, Pumping, cP at -35°C	ASTM D4684	11,500
Flash Point, °C(°F)	ASTM D92	232(451)
Pour Point, °C(°F)	ASTM D97	-48(-54)

Minor variations in product typical test data are to be expected in normal manufacturing.

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