DELO® SYN-TDL
SAE 75W-90

PRODUCT DESCRIPTION

"Delo. Let's go further.®"

Delo® Syn-TDL is a premium heavy-duty, extreme pressure, multigrade automotive gear lubricant. Delo Syn-TDL SAE 75W-90 is recommended for Daimler, ZF, Volvo, Scania, and MAN axles with 300,000-mile service intervals and supports OEM's axle warranty coverage.

CUSTOMER BENEFITS

Delo Syn-TDL delivers value through:

- **Suitable for manual transmissions** — Specially tuned friction characteristics make the product suitable for use in many synchronized manual transmissions, as well as in final drives, allowing the advantage of product rationalization.
- **Long Service Life** — Offers significantly longer service than conventional mineral gear oils in many applications - up to twice as long in transmissions and three times as long in drive axles.
- **Long Drain Capability** — Reduces the need for overhauls.
- **Component protection** — High performance additives provide excellent EP and antiwear performance, protecting components against scuffing and wear.
- **Excellent Low-Temperature Fluidity** — Provides component protection by allowing fast oil circulation during cold weather start-up.
- **High Viscosity Index and Excellent Shear Stability** — Ensures that the viscosity and film thickness will be sufficient for effective lubrication, even at high operating temperatures, throughout the fluid's lifetime.

APPLICATIONS

Delo Syn-TDL SAE 75W-90 is designed for use in automotive manual transmissions, which require a fluid with API GL-4 or GL-5 performance, and for hypoid drive axles where an EP oil meeting API GL-5 or MT-1 is required. It is approved against standard SAE J2360 (former MIL-PRF-2105E).

The thermal stability makes Delo Syn-TDL suitable for use in applications with higher operating temperatures than is possible when using mineral gear oils. The special characteristics of the synthetic base oils lead to a reduction in the operating temperature, further extending the service capability in arduous operating conditions, or improving fuel economy in normal service conditions. It is capable of significantly longer service intervals than conventional mineral gear oils: up to 2 times longer in transmissions and more than 3 times longer in drive axles.

Delo Syn-TDL is not recommended for use in ZF transmissions fitted with intarders (this includes some models from constructors such as DAF and MAN).

Delo Syn-TDL SAE 75W-90 meets or exceeds the performance requirements of **API Service Category MT-1/GL-4/GL-5**.

Delo Syn-TDL SAE 75W-90 is approved for:

- **DTFR** 12B140
- **Detroit Diesel** 93K 219.01
- **MAN** 341 Type Z2
- **MAN** 342 Type S1
- **SAE** J2360
- **Scania** STO 1:1 G, STO 2:0 A FS
- **Volvo** 97312
- **ZF TE-ML** 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A

Delo Syn-TDL SAE 75W-90 is recommended for:

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

25 June 2026
GL-18

- **API** GL-4
- **API** GL-5
- **API** MT-1
- **MAN** 342 Type M3
- **Mercedes Benz** MB-Approval 235.8
- **U.S. Military** MIL-PRF-2105E

TYPICAL TEST DATA

SAE Grade	Test Method	75W-90
Product Number		*242928*
SDS Number		*66329*
Density, 15°C, kg/l	ASTM D4052	0.868
Viscosity, Kinematic cSt at 40°C cSt at 100°C	 ASTM D445 ASTM D445	 98 14.7
Viscosity, Brookfield @-40, mPa.s	 ASTM D2983	 56,000
Viscosity Index	ASTM D2270	157
Flash Point, °C(°F)	ASTM D92	202(396)
Pour Point, °C(°F)	ASTM D97	-54(-65)

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

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