



# Delo® Syn-Trans XV

## Ultra High Performance Heavy Duty Synthetic Automotive Gearbox Lubricant

Product Data Sheet

### Customer benefits

#### Extended drain capabilities

Long drain capability exceeding 400,000 km contributes to reduced transmission overhauls and downtime. Provides extended life service up to 800,000 km in Volvo and Mack automated manual transmissions; depending on severity of operating conditions, best monitored through an in-service oil analysis program.

#### Excellent shift quality and friction durability

Specially tuned friction characteristics promote smooth and easy shifting. Highly durable synchromesh friction properties provide consistent performance throughout the fluid lifetime.

#### Extreme pressure protection

Protects against transmission gear scuffing, pitting and adhesive wear even at a lower viscosity level allowing for excellent parts protection.

#### Superb thermal and oxidation stability

Formulated for high temperature performance and excellent oxidation resistance to protect against sludge, varnish, lacquer and harmful deposit buildup in order to keep critical transmission components clean.

#### High viscosity index and low pour point

Excellent low temperature performance allowing for rapid circulation of the fluid for easier cold start up and reduced stress on the transmission components.

#### Wide seal compatibility

This product is compatible with a wide range of seal elastomers helping to prevent seal deterioration and fluid loss.

#### Excellent shear stability

Contributes to robust viscosity retention and system protection throughout fluid service life.

#### Fuel economy performance

Provides fuel economy savings compared to more viscous fully synthetic SAE 50 and SAE 75W-90 transmission lubricants to help minimize vehicle operating costs. Best used in combination to complement with Delo Syn-Gear XDM SAE 75W-90 in drive axles to maximize fuel economy benefit.

### Applications

Delo Syn-Trans XV SAE 75W-80 is recommended for use in heavy duty on-road truck synchronized manual and automated manual transmissions when operating on extended service under severe conditions and in extremely cold or hot environments.

In addition to its formal OEM approvals, field trial data has been amassed demonstrating its capability for extended drain in numerous other truck applications. Field trial vehicles include those manufactured by MAN, Mercedes Benz, Scania and Volvo; transmissions include those manufactured by the truck constructors themselves and by ZF, including AS Tronic models and models fitted with intarders.

### Product features:

- **Delo® Syn-Trans XV SAE 75W-80** is a premium synthetic, manual transmission fluid formulated specifically for Volvo iShift and Mack mDrive® automated manual transmissions.
- **Delo® Syn-Trans XV SAE 75W-80** is a premium heavy duty, automated manual 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.
- **Delo® Syn-Trans XV** is designed for extended drain service in heavy duty synchronized manual truck transmissions. It is formulated with fully synthetic PAO base oils and a specially balanced additive combination to promote reduction in transmission maintenance and overhauls.

## Typical key properties

DELO® SYN-TRANS XV	
SAE Grade	75W-80
Product Code	510405
Density, 15°C, kg/L	0.8645
Pour Point, °C	-54
Flash Point, °C	244
Viscosity, Kinematic	
mm <sup>2</sup> /s @ 40°C	54.1
mm <sup>2</sup> /s @ 100°C	9.2
Viscosity, Brookfield	
mPa•s @ -26°C	3,670
mPa•s @ -40°C	19,300
Viscosity Index	151

1408

## Performance standards

• API GL-4	Performance level
• DAF (Eaton Gearboxes)	Meets requirements
• Eaton (500,000 km / 3 years)	Approval planned
• MAN 341 Type E4	Approval planned
• MAN 341 Type Z4	Suitable for use
• Mercedes Benz MB 235.4, 235.11	Suitable for use
• Volvo 97305	Approval planned
• Volvo 97307	Approval planned
• Volvo 97318	Approval #: 11
• ZF TE-ML 02L, 02E*	Suitable for use

\*Note that ZF mandates the use of a product with a formal ZF TE-ML 02E approval during the warranty period. Delo Syn-Trans XV may be used in these applications (400,000km / 3 years) after the end of the warranty period.

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

## ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit: [www.CaltexDelo.com](http://www.CaltexDelo.com).

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:  
**Chevron Lubricants**  
 – Asia Pacific