

## Lubricants – Transmission Oils – Automotive

Version: 271/01

### Valvoline<sup>™</sup> TDL 75W-90

**Premium full synthetic gear oil for passenger cars and light commercial vehicles.  
Total Drive Line oil suitable for gearboxes and differentials under severe conditions.**

For use in the total drive line when the manufacturer specifies a GL-4 or GL-5 lubricant. This superior quality automotive gear oil has performance capabilities that allows it to have optimal performances in a very wide range of applications.

<b>Performance levels</b>
API: GL-4, GL-5, MT-1
BMW MTF LT-4
Dexron MTF 75W-90
Fiat 9.5550-MZ4
Ford M2C-201-A
Ford M2C200-B, C
Ford N052145 VX00
GM 89021807
MB-235.72
MB-235.8
Porsche 999.917.067.00
SAAB MTF 0063
Volvo 97309
VW 501.50
VW G 50
VW G 052 145
VW G 052 911
ZF TE-ML 02B, 07A

### Applications

For use in the total drive line when a GL-4 or GL-5 is specified by the manufacturer.

Recommended for conventional as well as ultra modern gearboxes and differentials of passenger cars and vans.

For:

- Gearboxes
- Transferboxes
- Differentials

**Not** suitable for limited slip applications.

### Features & Benefits

#### Excellent protection

Optimum protection against wear and tear, also under high stress working conditions.

#### Advanced additives

Advanced additives protect against corrosion, oxidation, foaming, and deposits.

#### Fuel economy properties

Smoother shifting contributes to better fuel economy. Increased oil circulation provides excellent cooling properties resulting in further fuel savings.

#### Breakdown resistance

Premium synthetic base oils, balanced additive system avoid breakdowns and extend the lifetime of the transmission.

#### Consistent, stable viscosity

Excellent viscosity-temperature properties even at very low temperatures. Highly stable viscosity with long-term multigrade advantages.

# PRODUCT INFORMATION



## Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit [www.valvolineeurope.com](http://www.valvolineeurope.com)

## Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Valvoline TDL	
<b>SAE Viscosity Grade</b>	75W-90
<b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b> ASTM D-445	15,0
<b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b> After shearing (CEC: L-45-T-93).	Stay-in-grade
<b>Viscosity, mm<sup>2</sup>/s @ 40 °C.</b> ASTM D-445	102
<b>Viscosity Index</b> ASTM D-2270	154
<b>Viscosity, mPa.s -40°C.</b> ASTM D-5293	<150.000
<b>TAN, mg KOH/g</b> ASTM D-664	1,7
<b>TBN, mg KOH/g</b> ASTM D-2896	4,9
<b>Pour Point, °C</b> ASTM D-5950	-54
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0,865
<b>Flash Point, COC, °C.</b> ASTM D-92	202

**This information only applies to products manufactured in the following location(s): Europe**

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## Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet <http://msds.valvoline.com>

## Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

## Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

Replaces –