

# Product Information

A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.



## Lubricants – Transmission Oils - Automotive

Version: 201/05

### SynPower™ Gear Oil TDL SAE 75W-90

*Premium fully synthetic gear oil for passenger cars, trucks and buses.*

*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-3, GL-4 or GL-5 lubricant. This premium automotive gear oil has performance capabilities that match current and future needs.

#### Approvals/Performance levels

<b>SAE 75W-90</b>
API GL-3,4,5
API MT-1
MAN 3343 SL, MAN 3343 Type S
MAN 341 Type E3 (Eaton axles)
MIL-PRF-2105 E
Scania STO:1
ZF TE-ML 02B, 05B, 07A, 08, 12B, 16F, 17B, 19C, 21B

#### Applications

For use in the total drive line when a GL-3, GL-4 or GL-5 is specified by the manufacturer.

Recommended for conventional as well as ultra modern gearboxes and transmissions of passenger cars and trucks.

For:

- ZF Gearboxes
- Eaton Axles
- Transferboxes

**Not** suitable for limited slip applications.

#### Features and Benefits

##### Superior protection

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

##### Advanced additives

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

##### Breakdown resistance

Premium synthetic base oils, balanced additive system avoid breakdowns and stick-slip even between extended drains.

##### Consistent, stable viscosity

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

##### Fuel economy properties

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

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## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Material and Safety Data Sheet (MSDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

## Protect the Environment

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

## Typical Properties

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

SynPower Gear Oil 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	101
<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	2.0
<b>TBN, mg KOH/g</b> ASTM D-2896	5.0
<b>Pour Point, °C</b> ASTM D-5950	-48
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0.869
<b>Flash Point, COC, °C.</b> ASTM D-92	194

## People Who Know, Use Valvoline™

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 including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; 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.valvolineurope.com](http://www.valvolineurope.com)

## Author:

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Europe**

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