

# Q8 T 45 LS 90

## Description

Automotive rear axle lubricant

## Application

- In rear axles especially those incorporating limited slip differentials

## Recommendations

- Q8 T 45 LS may be used as gear lubricant in hypoid gears, rear axles and final drives especially those equipped with limited slip differential, when one or more of the following specifications are used to describe the required lubricant quality:

## Specifications

- API GL-5
- MIL-L-2105B
- Ford ESW-M2C119-A (locking differential hypoid rear axle gears, conventional and/or locking front and rear hypoid axles)
- ESP-M2C154-A (locking or conventional differential hypoid rear axles)
- General Motors Pt. no. 19 42 382 (90 006 326) (rear axles with or without limited slip)
- Hanomag Specification 511 (limited slip rear axles)
- Volvo 97311 (final drives in cars equipped with limited slip)
- ZF TE-ML 05C (axles with multiple-disc limited-slip differentials or with wet brakes)
- ZF TE-ML 12C
- ZF TE-ML 16E (Transmissions for rail vehicles)
- ZF TE-ML 21C

## Benefits

- Incorporates special friction modifier system to obtain optimal limited slip function
- Reduces axle noise
- Extends axle life
- Protects against gear wear
- Prohibits corrosion
- Protects against rust

Properties	Method	Unit	Typical
Viscosity Grade			SAE 90
Absolute Density, 15 °C	D 1298	kg/m <sup>3</sup>	900
Kinematic Viscosity, 40 °C	D 445	mm <sup>2</sup> /s	172.5
Kinematic Viscosity, 100 °C	D 445	mm <sup>2</sup> /s	17.1
Viscosity Index	D 2270	-	106
Brookfield Viscosity, -12 °C	D 2983	Pa.s	
Brookfield Viscosity, -26 °C	D 2938	Pa.s	-
Pour Point	D 97	°C	-27
Flash Point, P-M	D 93	°C	182

*The figures above are not a specification. They are typical figures obtained within production tolerances.*