

## 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Trade Name:

# VAICO SAE 80W-90 GL-4

VAICO No.:

V60-0044, V60-0045, V60-0046, V60-0047

### 1.2. Informing department

VIEROL AG | Karlstraße 19 | 26123 Oldenburg | Germany

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## 2. PROPERTIES

VAICO SAE 80W-90 GL-4 is made from carefully chosen base oils and additives. The EP additives contained in the gear oil form a load-bearing lubricant film between the tooth flanks when the gears intermesh. This layer reduces abrasion on the tooth flanks during movement of the gears under high mechanical load. The gear oil is extremely ageing resistant, even under high thermal load. The good low-temperature viscosity is achieved through the high degree of refining of the base oil and the added flow improver. The gear oil contains highly effective active agents that suppress foaming and protect the lubricated machine parts against damage from corrosion. VAICO SAE 80W-90 GL-4 does not cause damage to conventional sealing materials.

## 3. USE INSTRUCTIONS

VAICO SAE 80W-90 GL-4 is recommended for use in manual transmissions, steering gears and axle drives in passenger and commercial vehicles (not suitable for hypoid gears).

## 4. PERFORMANCE DATA

### 4.1. Specifications:

API GL-4 • MIL-L-2105

### 4.2. Recommendations\*:

MB approval 235.1

MAN 341 type Z2

MAN 341 type E1

Ford SQM-2C-9008 A

ZF TE-ML 02B, 17A

TYPICAL VALUES	METHOD	UNIT	VAICO SAE 80W-90 GL-4
SAE class	DIN 51 511	-	80W-90
Density at 15°C	DIN 51 757	g/cm <sup>3</sup>	0.897
Viscosity at -12°C	DIN 51 398	mm <sup>2</sup> /s	-
Viscosity at -26°C	DIN 51 398	mm <sup>2</sup> /s	129,000
Viscosity at 40°C	DIN 51 562	mm <sup>2</sup> /s	114
Viscosity at 100°C	DIN 51 562	mm <sup>2</sup> /s	11.9
Viscosity index (VI)	DIN ISO 2909	-	92
COC flash point	DIN ISO 2592	°C	220
Pour point	DIN ISO 3016	°C	- 30
FZG test A/8.3/90	DIN 51 354	SKS	>12

\* meets the requirements of the OEM manufacturer

The above values may vary within commercially accepted tolerances