



## AUTOMOTIVE TRANSMISSION OILS

# ADDINOL TRANSMISSION OIL GH 80 W 90 LS, GH 85 W 90 LS

### PRODUCT DESCRIPTION

ADDINOL Transmission oils GH 80 W 90 LS and GH 85 W 90 LS consist of ageing resistant mineral oil raffinates combined with a selected Phosphorus/Sulphur additive composition and additives for reducing noises and to prevent vibrations in limited slip differentials.

### APPLICATION

- Especially suitable for the lubrication of hypoid axle drives with limited-slip differentials in passenger cars and commercial vehicles
- Suitable for use in vehicles for agriculture and forestry
- Especially approved for the use in construction machinery, when a Phosphorus content >1900 ppm is required
- Also suitable for use in hypoid axle drives without limited slip differential

### DELIVERY

Delivery preferably in Drums und 20 liter cans.

### SPECIFICATIONS / APPROVALS

**Meet and exceed the international specifications of:**

- API GL-5
- MIL-L-2105 D

**Approved according to:**

#### GH 80 W 90 LS:

- ZF000703: ZF TE-ML 05C, 21C

#### GH 85 W 90 LS:

- ZF000629: ZF TE-ML 05C, 16E, 21C

**Comply with the requirements of:**

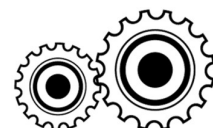
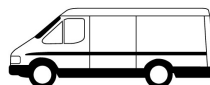
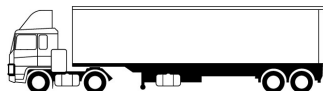
- Arvin Meritor Axles
- DAF
- Fiat 9.55550-DA2 (SAE 80W-90 only)
- GM/Opel 1942387, 9121965
- JCQ-96 (SAE 80W-90 only)
- MAN 342 M1 (342 N)
- MB 235.0
- PSA B71 2375 (SAE 80W-90 only)
- Voith 132.00374400 (3.325-339)
- Volvo 97310, 97311
- ZF TE-ML 07A, 12C (lubrication chart closed)

### CHARACTERISTICS

- Special P/S and noise reducing additives
- 'Limited Slip' additives
- Reliable protection against wear and corrosion

### ADVANTAGES AND BENEFITS

- **Good adhesive lubrication film, pressure and tear resistant**
- **No unwanted stick-slip-behavior**
- **Outstanding protection of axle and transmission parts for low maintenance and repair costs**





## ADDINOL TRANSMISSION OIL GH 80 W 90 LS, GH 85 W 90 LS

### SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test Conditions / Unit		GH 80 W 90 LS	GH 85 W 90 LS	Method acc. to
Appearance			Clear, free from contaminations		visual
Approvals			ZF000703: ZF TE-ML 05C, 21C	ZF000629: ZF TE-ML 05C, 16E, 21C	OEM Standards
SAE Class	J 306		80W-90	85W-90	ASTM
API			GL-5		Laboratory- and bench tests acc. to ASTM und CEC
Density	at 15°C	kg/m³	895	902	DIN 51757
Viscosity	at 100°C	mm²/s	17.4	18.1	ASTM D 7042
Viscosity Index			110	97	DIN ISO 2909
Apparent Viscosity	at -12°C	mPa*s	-	≤ 30,000	DIN 51398
	at -26°C	mPa*s	≤ 150,000	-	
Flash Point	COC	°C	≥ 210		DIN EN ISO 2592
Phosphorus	ppm		> 1,900		DIN 51363-3
Pour Point		°C	≤ -35	≤ -30	ASTM D 7346

#### ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our expertise, and the individual customer advisory service of our competent experts. Our company has worldwide activities. ADDINOL high-performance lubricants are distributed by more than 120 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they, however, do not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.