



## AUTOMOTIVE TRANSMISSION OILS

# ADDINOL TRANSMISSION OIL GX 80 W 90 ML

### PRODUCT DESCRIPTION

ADDINOL Transmission oil GX 80 W 90 ML is a mineral based multi-function transmission oil for extended oil change intervals in SAE-class 80 W 90. This high-performance transmission oil is formulated on a combination of high-quality basic oils and highest-performance additives compounds of latest technology.

### APPLICATION

- Universal application for the lubrication of axle drives with hypoid gearing of heavy-duty commercial vehicles
- Outstanding suitability for the lubrication of manual transmissions of heavy-duty commercial vehicles
- Guarantee of ideal operating properties at maximum oil change intervals

### DELIVERY

Delivery preferable in drums and 20 liter cans.

### SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

- API GL-4/GL-5
- API MT-1
- MIL-L-2105 / 2105 D
- MIL-PRF 2105 E
- SAE J2360

Approved according to:

- ZF000672: ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A
- MAN 341 Type Z2
- MAN 342 Type M2

Complies with the requirements of:

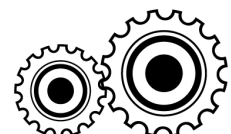
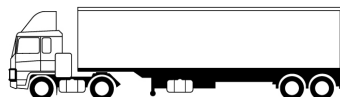
- Bosch Steering TE-ML 08
- MAN 341 E2 (3343 M)
- MAN 341 Z1 (341 M)
- MB-Freigabe 235.0
- Scania STO 1:0
- ZF TE-ML 07A
- Volvo 97321

### CHARACTERISTICS

- Extraordinary wear protection
- Very good thermal and oxidative resistance
- Ideal corrosion protection towards transmission material
- Low tendency of foam formation
- Multi-functional character

### ADVANTAGES AND BENEFITS

- Long lifetime of transmissions
- Long oil lifetime
- Outstanding protection of transmission parts with low maintenance and repair costs
- Effective lubrication also at transmissions with foaming tendency
- Reduction of product range → logistic advantages at special applications





# ADDINOL TRANSMISSION OIL GX 80 W 90 ML

## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		GX 80 W 90 ML	Method acc. to
Appearance			clear, free from contaminations	visual
Approvals			ZF000672: ZF TE-ML 02B, 05A, 12L, 12M, 16B, 17H, 19B, 21A MAN 341 Type Z2 MAN 342 Type M2	OEM-standard
SAE-grade	J 306		80W-90	Laboratory and engine tests acc. to ASTM and CEC
API			GL-4 / GL-5 MT1	
Density	at 15°C	kg/m <sup>3</sup>	897	DIN 51757
Viscosity	at 100°C	mm <sup>2</sup> /s	15.7	ASTM D 7042
Viscosity index			106	DIN ISO 2909
Apparent viscosity	at -26°C	mPa*s	150.000	DIN 51398
Flash point	COC	°C	min. 200	DIN EN ISO 2592
Pour point		°C	max. -33	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 know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, 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.