



AUTOMOTIVE TRANSMISSION OILS

ADDINOL TRANSMISSION OIL GX 80 W 90

PRODUCT DESCRIPTION

ADDINOL Transmission Oil GX 80 W 90 consists of premium ageing resistant mineral oil raffinates blended with a well-balanced additive combination of phosphorus and sulphur.

APPLICATION

- Multi-purpose transmission oil
- Suitable for the lubrication of axle drives with hypoid gears
- Applicable for the lubrication of transfer, intermediate, and auxiliary gear boxes in passenger cars, commercial vehicles, and off-highway applications
- Allows oil drain intervals up to 160,000 km
- Universal application in synchronised and non-synchronised manual transmissions
- Always refer to manufacturers manual

DELIVERY

Delivery preferable in drums and small cans.

SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

- API GL-4 and GL-5
- MIL-L-2105 D
- NATO O-226

Approved according to:

- ZF003620: ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A

Complies with the requirements of:

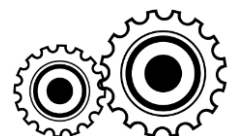
- MAN 342 M1
- MAN 342 M2
- Volvo 1273,10 (97310)
- ZF TE-ML 07A, 08
- BMW Hypoid Axle Oil G2 (BMW 83 22 2 413 511)

CHARACTERISTICS

- Excellent scuffing load capacity
- Good cold flow behaviour
- High shear stability
- Low foaming tendency
- Reliable corrosion protection
- Thermal and oxidative stability

ADVANTAGES AND BENEFITS

- Protection against scuffing and wear even under highest loads
- Reliable lubrication at system start-up even at low temperatures
- Stable lubricating film even under highest loads
- Effective lubrication of transmission that tend to be prone to foaming
- Reliable protection of the transmission parts for low costs for maintenance and repairs
- Ensures long service lifetime



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ADDINOL TRANSMISSION OIL GX 80 W 90

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		GX 80 W 90	Method acc. to
Appearance			Clear, homogenous and free from visual impurities	visual
SAE Grade	J 306		80W-90	Laboratory and bench tests acc. to ASTM und CEC
API			GL-4 / GL-5	
Density	at 15°C	kg/m ³	893	DIN 51757
Viscosity	at 100°C	mm ² /s	14.6	ASTM D 7042
Viscosity Index			105	DIN ISO 2909
Apparent Viscosity	at -26°C	mPa*s	< 150,000	DIN 51398
Flash Point	COC	°C	220	DIN EN ISO 2592
Pour Point		°C	- 36	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 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, 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.