



AUTOMOTIVE TRANSMISSION OILS

ADDINOL TRANSMISSION OIL GH 75 W 90, GS 75 W 90

PRODUCT DESCRIPTION

ADDINOL Transmission oil GH 75 W 90

ADDINOL Transmission oil GH 75 W 90 is a high-performance transmission oil based on fully synthetic base oils with selected P/S-additives.

ADDINOL Transmission oil GS 75 W 90

ADDINOL Transmission oil GS 75 W 90 is a semi-synthetic transmission oil according to lubrication-engineering requirements.

ANWENDUNGSBEREICHE

ADDINOL Transmission oil GH 75 W 90

- Highly suitable for the lubrication of highly loaded axle drives with large offset as well as synchronized and non-synchronized manual transmission, transfer and intermediate gearboxes of passenger cars and work machines.

ADDINOL Transmission oil GS 75 W 90

- Excellent applicability for the lubrication of highly loaded axle drives with minor offset, synchronized and non-synchronized manual transmissions as well as steering and transfer gearboxes of passenger cars and work machines.

SPEZIFIKATIONEN/FREIGABEN

GH 75 W 90

Meets and exceeds the international specifications of:

- API GL-4 / GL-5
- MIL-L-2105 D

Complies with the requirements of:

- Bosch (ZF) TE-ML 08
- MB 235.7
- Volvo 97316 (GO101)
- VW 050 145, 050 150 (G 50)
- ZF TE-ML 07A

GS 75 W 90

Meets and exceeds the international specifications of:

- API GL-4 / GL-5
- MIL-L-2105 D
- Bosch (ZF) TE-ML 08

DELIVERY

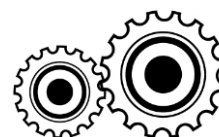
Delivery preferably in drums and small cans.

CHARACTERISTICS

- Outstanding viscosity-temperature behaviour
- High scuffing load capacity
- High ageing resistance
- High shear stability
- Good corrosion protection

ADVANTAGES AND BENEFITS

- Very good switching and starting characteristics also in winter
- High loading capacity of the transmission
- Long oil lifetime
- Reliable lubrication also under highest loads
- Outstanding protection of the transmission parts for low maintenance and repair costs





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		GH 75 W 90	GS 75 W 90	Method acc. To
Appearance			clear, free from contaminations		visual
SAE-grade	J 306		75W-90		ASTM
API			GL-4, GL-5	GL-4	Laboratory and bench tests acc. to ASTM and CEC
Density	at 15 °C	kg/m ³	865	868	DIN 51757
Viscosity	at 100 °C	mm ² /s	15.7	14.7	ASTM D 7042
Viscosity index			178	174	DIN ISO 2909
Apparent viscosity	at -40 °C	mPa*s	max. 150,000		DIN 51398
Flash point	COC	°C	225		DIN EN ISO 2592
Pour Point		°C	-48	-45	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 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 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.