AUTOMOTIVE TRANSMISSION OILS

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

PRODUCT DESCRIPTION

ADDINOL Transmission oil GH 80 W 90 LS and ADDINOL Transmission oil GH 85 W 90 LS consist of ageing resistant mineral oil raffinates being additivated with a selected P/S additive combination and a special additive for reducing noises and to preventing vibrations in limited slip differentials.

APPLICATION

- Outstanding suitability for the lubrication of axle drives with limited-slip differentials of passenger cars and commercial vehicles
- Particularly suitable for agriculture and forestry as well as construction industry
- Also usable for hypoid axle drives without limited-slip differential

DELIVERY

Delivery preferable in drums and small cans.

SPECIFICATIONS / APPROVALS

Meets and exceeds the international specifications of:

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

Approved according to:

GH 80 W 90 LS

- **ZF000703: ZF TE-ML 05C, 12C, 21C**

GH 85 W 90 LS

- **ZF000629: ZF TE-ML 05C, 12C, 16E, 21C**

Complies with the requirements of:

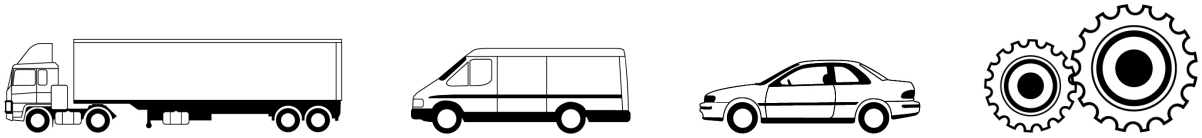
- **MB-Approval 235.0**
- **MAN 342 M1 (342 N)**
- **Volvo 97310, 97311**
- **DAF**
- **ZF TL-ML 07A**
- **PSA B71 2375 (only SAE class 80W-90)**

CHARACTERISTICS

- Special P/S and silencer additives
- „limited slip“ additives
- Good wear and corrosion protection

ADVANTAGES AND BENEFITS

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



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

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test conditions / unit		GH 80W-90 LS	GH 85W-90 LS	Method acc. to
Appearance			clear, free from contaminations		visual
Approvals			ZF000703: ZF TE-ML 05C, 12C, 21C	ZF000629: ZF TE-ML 05C, 12C, 16E, 21C	OEM-standard
SAE-grade	J 306		80W-90	85W-90	ASTM
API			GL-5		Laboratory and engine tests acc. to ASTM and CEC
Density	at 15°C	kg/m³	895	904	DIN 51757
Viscosity	at 100°C	mm²/s	17.6	18.3	ASTM D 7042
Viscosity index			110	95	DIN ISO 2909
Apparent viscosity	at -26°C	mPa*s	max. 150.000	--	DIN 51398
	at -12°C	mPa*s	--	30,000	
Flash point	COC	°C	min. 210		DIN EN ISO 2592
Pour point		°C	max. -35	max. -30	ASTM D 7346
Content of phosphor		ppm	> 1900		DIN 51363-3

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.

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