

# CHAMPION NEW ENERGY

## 80W90 GL 5

This is a synthetic based lubricant for transmissions, which distinguishes itself from the classic, hypoid GL 5-oils by its multifunctional character and its exceptional oxidation and thermal stability.

### APPLICATIONS

It is specifically recommended for all manual gear boxes and final drives of heavy vehicles and trucks. Owing to its universal character, it can be used without any problems for all transmission parts, where API GL 4- or GL 5-oils is recommended.

### FEATURES

*Frictional properties: very smooth gear shifting, no vibration*

*Extended oil life: optimized thermal and oxidation stability*

*Anti-wear protection: long transmission life*

### SPECIFICATIONS

API	GL-4	ZF	TE-ML 16C
API	GL-5	ZF	TE-ML 16D
API	MT-1	ZF	TE-ML 17B
MIL	PRF-2105E	ZF	TE-ML 17H
SAE	J 2360	ZF	TE-ML 19B
ARVIN MERITOR	0-76-N	ZF	TE-ML 21A
CASE	MS1316		
DAF	GL5/MIL-PRF-2105E		
DTFR	12B100		
DTFR	12B110		
IVECO	MIL-PRF-2105E		
JD	J11 E		
MACK	G0-J		
MAN	341 E-2		
MAN	341 Z-2		
MAN	342 M-2		
MB	235.0		
MB	235.20		
NH	NH 520A		
RENAULT	B0032/3 Annex 3		
SCANIA	STO 1:0		
SDFG	OP1705		
STEYR	B-101		
ZF	TE-ML 02B		
ZF	TE-ML 05A		
ZF	TE-ML 07A		
ZF	TE-ML 08		
ZF	TE-ML 12E		
ZF	TE-ML 12L		
ZF	TE-ML 12M		
ZF	TE-ML 16B		

#### CHAMPION CHEMICALS NV

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[www.championlubes.com](http://www.championlubes.com)





## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.896
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	135
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.5
Viscosity index	ASTM D2270		107
Pour point	ASTM D6892	°C	-36
Flash Point COC	ASTM D92	°C	200

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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