

# CHAMPION OEM SPECIFIC

## 80W-90 LS GL 5 ZF-N

This high performance ZF 05N/21N gear oil is an advanced all-round lubricant, which is balanced to lubricate a wide range of axles including the ones equipped with limited slip (LS) and hypoid gears. Its formula offers outstanding extreme-pressure resistance, which is proven by its typical phosphorus content of 2000 ppm.

### APPLICATIONS

This officially approved ZF 05N/21N formula can be used to service axles with or without limited slip differential or multi-disc differential. Furthermore, it suits the needs of different axles and differentials with or without hypoid drive. This multi-use gear oil can be used within dumpers, wheel loaders, mobile excavators, tractor axles, planetary final drives and even in certain rail vehicles & bus transmission systems with multi-disc self-locking differentials. This innovative lubricant allows you to make fleet maintenance more efficient by reducing the amount of different fluids you need.

### FEATURES

Phosphorus content of 2000 ppm: advanced extreme-pressure resistance

Broad applicability: easier fleet maintenance with this all-round product

Improved component cleanliness: prevent slip disks and gears from experiencing additional wear

### SPECIFICATIONS

<b>API</b>	GL-5
<b>API</b>	MT-1
<b>ARVIN MERITOR</b>	AXLES
<b>FORD</b>	WSP-M2C197-A + EST-M2C118-A
<b>GM</b>	1942382
<b>GM</b>	1942387
<b>GM</b>	9121965
<b>JD</b>	J11 F
<b>JD</b>	JDM J11F
<b>LIEBHERR</b>	SFU
<b>MACK</b>	G0-J
<b>SDFG</b>	OP1705LS
<b>VOLVO</b>	97310
<b>VOLVO</b>	STD 1273,21 (97321)
<b>ZF</b>	approval TE-ML 05N
<b>ZF</b>	approval TE-ML 21N
<b>ZF</b>	TE-ML 05C
<b>ZF</b>	TE-ML 07A
<b>ZF</b>	TE-ML 08
<b>ZF</b>	TE-ML 12C
<b>ZF</b>	TE-ML 16E
<b>ZF</b>	TE-ML 21C

#### CHAMPION CHEMICALS NV

G. Gilliatstraat 52 - 2620 Hemiksem - Belgium

Tel. +32 3 870 00 00

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





## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	131
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.2
Viscosity index	ASTM D2270		115
A.N. [Colorimetric]	ASTM D974	mg KOH/g	1.20
Pour point	ASTM D6892	°C	-36
Phosphorus	ASTM D5185	mg/kg	2000

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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