

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: great extreme-pressure resistance
Broad applicability: easy fluid management thanks to the oil's broad applicability
Component cleanliness: prevent slip disks and gears from experiencing additional wear

SPECIFICATIONS

API	GL-5
API	MT-1
MIL	L-2105 D
ARVIN MERITOR	AXLES
FORD	WSP-M2C197-A + EST-M2C118-A
GM	1942382
GM	1942387
GM	9121965
JD	J11 F
JD	JDM J11F
LIEBHERR	SFU
MACK	GO-J
SDFG	OP1705LS
VOLVO	97310
VOLVO	STD 1273,21 (97321)
ZF	approval TE-ML 05N
ZF	approval TE-ML 21N
ZF	TE-ML 05C
ZF	TE-ML 07A
ZF	TE-ML 08
ZF	TE-ML 12C
ZF	TE-ML 16E
ZF	TE-ML 21C

CHAMPION CHEMICALS NV
G. Gilliotstraat 52 – 2620 Hemiksem – Belgium
Tel. +32 3 870 00 00
www.championlubes.com

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TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm²/s	131
Kinematic viscosity at 100°C	ASTM D445	mm²/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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