

# WOLF OFFICIALTECH

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

30/01/2026  
3354

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

|               |                             |
|---------------|-----------------------------|
| API           | GL-5                        |
| API           | MT-1                        |
| 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                   |

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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  | 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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