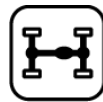


## NISOTEC HIPO LD ZF SAE 80W-90



Differentials



Drive shafts



EP properties



Anticorrosive properties



Mineral



Anti-wear characteristics

**NISOTEC HIPO LD ZF SAE 80W-90** is a high-quality multigrade mineral oil, with excellent load-bearing properties (EP), intended for the lubrication of differentials, gear transmissions of drive axles and final drives installed in transmissions of motor vehicles and various types of machinery. It is specially formulated to provide a high level of gear protection, thanks to its excellent load-bearing, anti-wear and anti-corrosion properties.

### Applications:



- Differentials and heavily loaded drive shafts (especially ZF manufacturer) of motor vehicles and various types of machinery, which require API GL-5 quality oil
- Final drives on motor vehicles and machinery with various types of gears: flat, hypoid...
- Other heavy-duty automotive applications of gear pairs operating under conditions of extreme pressures and shock loads

Characteristics	Advantages
High load bearing capacity	Reduces the wear of gear teeth and bearings, thus extending the working life of the equipment
Low tendency towards foaming	A permanent, constant, oil film provides protection against wear in all working conditions
Excellent thermal and oxidation stability	It provides excellent resistance to oil aging and thus enables a longer replacement interval
Excellent anti-corrosion properties	Excellent protection against corrosion of all non-ferrous metals in the system
Advanced additive package	Meets the strictest requirements of axle and differential manufacturer specifications
Good compatibility with sealing materials	No leaks and reduced oil consumption help reduce maintenance costs and extend change intervals

### Specification:

- API GL-5/ GL-4/ MT-1;
- MIL-PRF-2105E;
- SAE J2360;
- DTFR 12B100 (MB 235.0);
- ZF TE-ML 02B/05A/07A/12E/12L/12M/16B/16C/17B/17H/19B/21A;
- MAN 342 M2; MAN 341 Z2;
- IVECO;
- DAF;
- SCANIA 1:0/1:1G;
- MERITOR 076-A/B/D/094;
- MACK GO-J

### Typical characteristics

Characteristics	Method	NISOTEC HIPO LD ZF SAE 80W-90
SAE Viscosity grade	SAE J300	80W-90
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ISO 3104	14,6
Viscosity Index	ISO 2909	99
Cu strip corrosion, 3h, 100°C	EN ISO 2160	1a
Pour Point, °C	ISO 3016	-30
Flash Point (COC), °C	EN ISO 2592	200
Density at 15°C, kg/m <sup>3</sup>	EN ISO 3675	899

### Health, Safety and Environment

Information on the safe handling, storage and disposal of the product, as well as information on precautionary measures and potential hazards, effects on human health and the environment can be found in the Product Safety Data Sheet (SDS). Store the product in its original packaging protected from atmospheric influences. Shelf life 5 years from the date of manufacture.

### Available packaging



205L

1000L