

## NISOTEC HIPO LD SAE 80W- 90

NISOTEC HIPO LD SAE 80W-90 is heavy duty gear oil for manual transmission, axles and final drives where extreme pressures and shock loading are expected, providing extended oil drain intervals. It is recommended for lubricating a wide range of mechanical gear boxes and differentials in passenger cars, light vans, trucks, agricultural and construction machinery in heavy duty conditions. It is also adapted for lubricating rear axles where operating temperatures are high and extended oil drain interval is required. Features and Benefits:

- Increased load carrying capability
- Reduced wear
- Reduced maintenance costs and longer equipment life
- Optimum viscosity

**Performance Levels:** API GL-5, MIL-PRF-2105D, MAN 342 M-1, MB 235.0, ZF TE-ML 05A, 07A, ZF TE-ML 16B, 17B, 19B, 21 Approved

### Characteristics

<i>Properties</i>	<i>Units</i>	<i>Typical Values</i>	<i>Methods</i>
Density at 15°C	g/cm <sup>3</sup>	0.89	EN ISO 3675
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	14.5	ISO 3104
Pour point	°C	- 27	ISO 3016
Flash point, COC	°C	200	ISO 2592
Foaming, max sequence I, II, III	mL/mL	20/0, 50/0, 20/0	ISO 6247
Copper corrosion, 3h, 100°C	class	1	ISO 2160
FZG (A/8.3/90) gear test	stage	12	DIN 51354

### Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight. Recommended storage temperature: max. 40°C

### Packaging

<i>0.1L</i>	<i>0.25L</i>	<i>0.5L</i>	<i>1L</i>	<i>4L</i>	<i>10L</i>	<i>60L</i>	<i>180KG</i>	<i>850KG</i>	<i>IBC</i>	<i>AC</i>
				X4	X2		X			