



Product Information:

## **TERRAIN LS 80W-90** **OFF-HIGHWAY LIMITED SLIP GEAR OIL**

### **Description**

Terrain LS 80W-90 is a mineral oil based gear oil that has been formulated with a high level of extreme pressure (EP) additives and friction modifiers to protect the critical mechanisms of limited slip differentials used in heavy off-highway and agricultural equipment. In addition to high load carrying capability, Terrain LS 80W-90 will protect against rust and corrosion and has a low foaming tendency.

Shock loading occurs when one of the driven wheels loses traction and the differential locks redistributing the drive equally. Standard API GL5 gear oils are unable to cope with this extreme condition and therefore it necessary to use the correct limited slip differential oil to promote long component life.

### **Applications**

Terrain LS 80W-90 has been specifically designed for use in limited slip differentials fitted to off-highway and agricultural equipment, where differential loadings are high and where a variety of operating conditions may be encountered. May be used where the following SAE viscosity grades 80W-90, 85W-90 or 90 are specified. Terrain LS 80W-90 may also be used in standard differentials, axles, reduction hubs, slewing gears, transfer boxes, etc., where an API GL5 80W-90 gear oil is required.

### **Performance Levels**

API GL-5  
ZF TE-ML 05C, 12C, 21C Approved  
ZF TE-ML 07A, 16E

### **Physical Characteristics**

Appearance	Amber Liquid
Relative Density @ 15.6°C	0.900
Kinematic Viscosity @ 40°C (cSt)	14.1
Kinematic Viscosity @ 100°C (cSt)	129.0
Viscosity Index	105
Closed Flash Point (°C)	195
Pour Point (°C)	-33

Figures based on average production values

Part No.s: TLS025, TLS205

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