



Product Information:
TERRAIN LS 80W-90
HIGH PERFORMANCE OFF-HIGHWAY AXLE OIL

Description

Terrain LS 80W-90 is a high performance gear oil that has been formulated to satisfy the demands of limited slip differentials and wet brake systems present in heavy duty off-highway equipment. This product offers optimised frictional performance ensuring efficient and safe operation, even under the most demanding of workloads and operating conditions.

Additionally, Terrain LS 80W-90 will protect heavily loaded gear sets, as it exceeds API GL5, offering a high level of extreme pressure (EP) protection, even when severe shock load forces are encountered. 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.

Limited slip differentials and wet brake systems contain yellow metal (copper) components that need to be protected from corrosion. Terrain LS 80W-90 guards against this problem, ensuring these systems perform correctly without the need for repair or replacement.

Features:

- Reduces expensive repairs and downtime
- Improves traction and reduces tyre wear
- Eliminates noise and vibration
- Enables smooth braking
- Protection against varnish build up

Applications

Terrain LS 80W-90 has been specifically designed for use in limited slip differentials and wet brake systems 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 and specifications 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 05N, 05C, 16E, 21N
 VOLVO STD 1273.21 (97321)

Physical Characteristics

Appearance	Amber Liquid
Relative Density @ 15.6°C	0.879
Kinematic Viscosity @ 40°C (cSt)	125.0
Kinematic Viscosity @ 100°C (cSt)	14.4
Viscosity Index	115
Closed Flash Point (°C)	154
Pour Point (°C)	-36

Figures based on average production values

Part No.s: TLS025, TLS205

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