

## G-Truck LS 80W-90, 85W-90 and 85W-140

Limited-Slip Automotive Gear Oils



Drive axles



EP properties



Anti-wear protection



Enhanced frictional properties



Mineral



Enhanced frictional properties

**G-Truck LS** oils are high performance automotive lubricants formulated from selected base oils and an advanced additive system specifically for limited-slip differentials. They provide good anti-wear and antirust protection, oxidation and thermal stability as well as required coefficient of friction. G-Truck LS oils are designed for use in heavy duty limited-slip differentials, axles, and final drives where extreme pressures and shock loading are expected. Meet API GL-5 performance requirements.

### Applications



- Limited-slip differentials, axles, and final drives requiring API GL-5 level performance
- Passenger cars, on-highway passenger light and heavy duty trucks, busses and vans
- Off-highway industries including: construction, quarrying, and agriculture
- Some types of wet brakes. Not applicable for wet brakes where UTTO or TO-4 types of fluids are specified

Features	Advantages and Potential Benefits
Advanced formulation	Potential fuel economy improvement
Excellent resistance to high temperature oxidation	Minimal deposits for long gear and bearing life
Outstanding low-temperature fluidity	Easier, smoother shifting, and quicker starts
Excellent load carrying, anti-wear, and extreme pressure performance	Extended transmission life and reduced operating costs
Excellent shear stability	Maintains effective viscosity and film strength during severe operation
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

### Approvals

- ZF TE-ML 05C, 12C, 16E\*, 21C

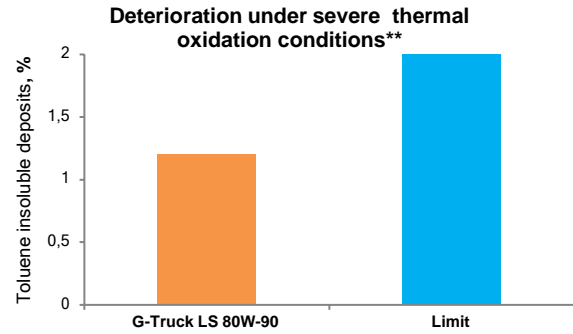
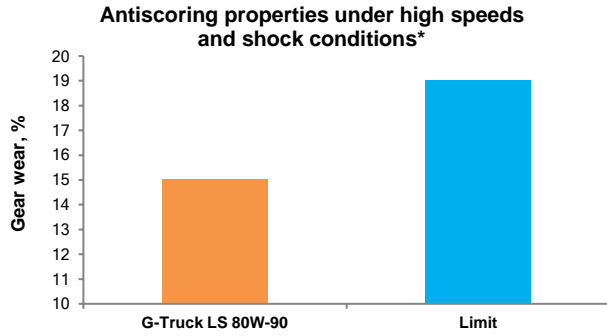
\* - G-Truck LS 85W-90, 85W-140

### Recommendations

- API GL-5

## Typical Characteristics

Properties	Method	G-Truck LS 80W-90	G-Truck LS 85W-90	G-Truck LS 85W-140
SAE Viscosity Grade	SAE J300	80W-90	85W-90	85W-140
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	150,2	175,1	355,4
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	14,5	15,8	24,6
Viscosity Index	ASTM D2270	94	91	90
Flash Point (COC), °C	ASTM D92	220	216	214
Pour Point, °C	ASTM D97	-31	-27	-24
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	902	907	915



\*ASTM L-42; \*\*ASTM L-60

## Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.