

## G-Truck GL-4 80W-90

Heavy Duty Automotive Gear Oil



Mechanical transmissions



EP properties



Anti-wear protection



Oxidation stability



Mineral

**G-Truck GL-4 80W-90** is high performance, heavy duty gear oil formulated from high quality mineral base oils and an advanced additive package. It is designed for automotive applications including heavy duty transmissions, axles and final drives where extreme pressures and shock loading are expected. They are recommended for applications where API GL-4 performance is required.

### Applications



- Heavy duty automotive manual transmissions, axles, and final drives requiring API GL-4 level performance
- Light trucks and heavy duty commercial vehicles
- Off highway industries including: construction, mining, quarrying and agriculture
- Not applicable for hypoid axles

Features	Advantages and Potential Benefits
Enhanced EP properties	Reduced gear wear and extended life in transmissions, gearboxes, and final drives
Excellent thermal stability and resistance to high temperature oxidation	Minimal deposits for long gear and bearing life
Outstanding anti-wear performance	Preventing premature failure and provide longer equipment life
Excellent corrosion protection	Preventing corrosion for increased equipment protection and equipment life
Good resistance to foaming	Maintains film strength for effective lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

### Approvals

- ZF TE-ML 16A, 17A, 19A

### Meets the requirements

- MAN 341 Type E1
- MAN 341 Type Z2

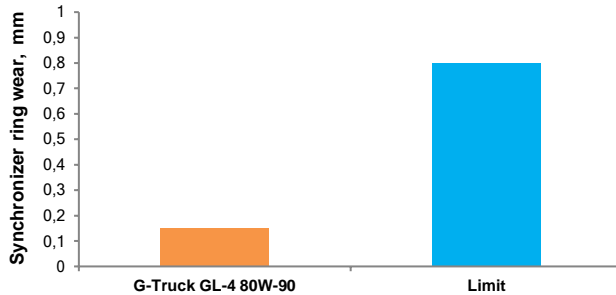
### Recommendations

- API GL-4
- ZF TE-ML 02B

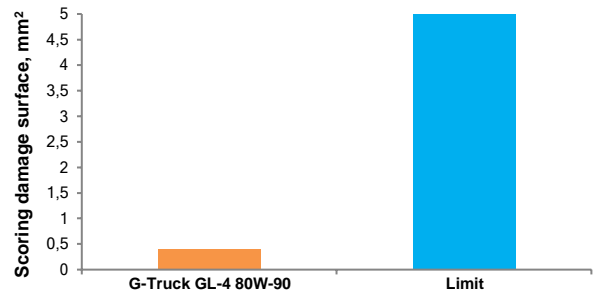
## Typical Characteristics

Properties	Method	G-Truck GL-4 80W-90
SAE Viscosity Grade	SAE J300	80W-90
Kinematic Viscosity @40°C, mm <sup>2</sup> /s	ASTM D445	160,7
Kinematic Viscosity @100°C, mm <sup>2</sup> /s	ASTM D445	15,0
Viscosity Index	ASTM D2270	92
Brookfield Viscosity @-26°C, mPa·s	ASTM D2983	110000
Flash Point (COC), °C	ASTM D92	227
Pour Point, °C	ASTM D97	-31
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	899

Friction Performance\*



Wear protection\*\*



\*ZF/FZG SSP-180; \*\*FZG Pitting Test C/9/90

## 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.