

G-Box X Gear GL-4/GL-5 75W-90

Fully Synthetic Automotive Gear Oil

G-Box X Gear GL-4/GL-5 75W-90 is extra high performance gear oil for heavy duty manual transmissions and rear axles where operations require gear lubricants with excellent load-carrying capability over wide operating temperatures and where extreme pressures and shock loading are expected. Its carefully balanced formulation is designed to minimize oxidative sludge and varnish formation, reduce wear, prevent scoring damage, and protect against metal fatigue and spalling damage under shock-load conditions. Fully synthetic PAO based formulation provides enhanced oxidation resistance and thermal stability at high temperatures and better low-temperature properties compared with conventional mineral oil-based automotive gear oils, resulting in longer service intervals and better performance over a wider temperature range.

Applications

- Transmissions, axles and other applications where oils meeting API GL-4 or GL-5 are recommended
- Automotive applications involving hypoid and other gears where extreme pressures and shock loading are expected

Features	Advantages and Potential Benefits
Durable extreme pressure (EP) performance	Increased load and shock carrying ability, preventing premature failure and provide longer equipment life
High viscosity index and good shear stability	Retains viscosity and film strength under severe operating conditions to prevent wear
Excellent thermal stability and resistance to high temperature oxidation	Minimal deposits for long gear and bearing life
Wide multipurpose capability	One lubricant for heavy-duty manual transmissions and rear axles
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Recommendations

- API GL-3/GL-4/GL-5/MT-1
- ArvinMeritor 076-N
- DAF
- Iveco
- Mack GO-J
- MAN 341 Typ Z2, 342 Typ S1
- MB 235.8
- MIL-L-2105D/MIL-PRF-2105E
- SAE J2360
- Scania STO 1:0, STO 2:0 A FS
- Volvo 97312
- ZF TE-ML 02B/05A/12L/12N/16F/17B/19C/21A
- ZF TE-ML 07A/12B/16B

Typical Characteristics

Properties	Method	G-Box X Gear GL-4/GL-5 75W-90
SAE Viscosity Grade	SAE J306	75W-90
Kinematic Viscosity @40°C, mm ² /s	ASTM D445	101,0
Kinematic Viscosity @100°C, mm ² /s	ASTM D445	15,4
Brookfield @-40°C, mPa·s	ASTM D2983	81150
Viscosity Index	ASTM D2270	161
Flash Point (COC), °C	ASTM D92	202
Pour Point, °C	ASTM D97	-48
Density @15°C, kg/m ³	ASTM D4052	869