G-Box GL-5 75W-90
High Performance Automotive Gear Oil

- Semisynthetic
- Drive axles
- EP
- EP properties
- Oxidation Stability
- Low-temperature properties

G-Box GL-5 75W-90 is 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. G-Box GL-5 75W-90 is formulated with combination of synthetic and premium quality mineral base oils and advanced additive technology to provide excellent extreme pressure protection, load carrying capacity, anti-fade performance, corrosion protection, and thermal stability protection.

Applications
- Passenger cars, light- and heavy-duty trucks, busses, vans
- Off-highway industries including: construction, quarrying, and agriculture
- Transmissions and axles and other applications where high extreme pressure gear oil meeting API GL-5 are recommended
- Not suitable for automatic or semi-automatic transmissions for which engine oil or automatic transmission fluids are recommended
- Not suitable for limited slip applications

Features
- Excellent extreme-pressure properties
- Excellent frictional properties
- Improved thermal and oxidation stability
- Good low temperature performance
- Rust and corrosion protection
- Compatible with all common seal materials

Advantages and Potential Benefits
- Increased load-carrying capability for protection against low speed/high torque wear, high speed scoring and spalling
- Improved smooth shifting performance
- Reduced deposits and sludge build-up for long transmission life
- Oil flows and circulates more quickly at low temperatures to extend transmission life
- Protection of copper and its alloys for improved gear performance and long component life
- Excellent leakages control

Meets the requirements:
- API GL-5

Typical Characteristics

<table>
<thead>
<tr>
<th>Properties</th>
<th>Method</th>
<th>G-Box GL-5 75W-90</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE Viscosity Grade</td>
<td>SAE J306</td>
<td>75W-90</td>
</tr>
<tr>
<td>Kinematic Viscosity @40°C, mm²/s</td>
<td>ASTM D445</td>
<td>112.0</td>
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<tr>
<td>Kinematic Viscosity @100°C, mm²/s</td>
<td>ASTM D445</td>
<td>17.5</td>
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<td>Viscosity Index</td>
<td>ASTM D2270</td>
<td>172</td>
</tr>
<tr>
<td>Brookfield @-40°C, mPa·s</td>
<td>ASTM D2983</td>
<td>135000</td>
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<tr>
<td>Flash Point (COC), °C</td>
<td>ASTM D92</td>
<td>198</td>
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<tr>
<td>Pour Point, °C</td>
<td>ASTM D97</td>
<td>-42</td>
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<tr>
<td>Density @15°C, kg/m³</td>
<td>ASTM D4052</td>
<td>888</td>
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</table>

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ISO 9001  ISO 14001  ISO/TS 16949  OHSAS 18001  CERTIFIED

G-Box GL-5 75W-90 performance benefits

Prolonged gear life
- Wear and extreme pressure protection
  - damaged surface area 1.8 times lower (ASTM L-37)
  - damaged surface area of hypoid gear under shock loads 3.8 times lower (ASTM L-42)

Leakage control
- Effect on seals materials 5 times lower (VDA 675 301 (70 ACM 121433))

Deposits build-up control
- Oxidation stability 3.3 times higher (Oxidation ASTM L-60)

Wear protection under heavy loads*

**

Thermal Stability**

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.

*Test ASTM L-37; **Test ASTM L-60