Q8 T45 SAE 90
For Limited-slip Differentials

Description
Q8 T 45 is an SAE 90 automotive rear-axle lubricant which incorporates a special friction-modifier additive system in high-quality solvent-refined base-oils, to obtain optimum slip function.

Applications
It is primarily recommended for rear axles incorporating a limited-slip facility, Q8 T 45 may also be used in those axles where one or more of the following specifications indicate the quality of gear lubricant required:

- API GL-5
- MIL-L-2105B
- Ford ESW-M2C119-A (locking differential hypoid rear axle gears, conventional and/or locking front and rear hypoid axles)
- ESP-M2C154-A (locking or conventional differential hypoid rear axles)
- General Motors Pt. no. 19 42 382 (90 006 326) (rear axles with or without limited slip)
- Hanomag Specification 511 (limited slip rear axles)
- Volvo 97311 (final drives in cars equipped with limited slip)
- ZF TE-ML 05C (axles with multiple-disc limited-slip differentials or with wet brakes)
- ZF TE-ML 12C
- ZF TE-ML 16E (Transmissions for rail vehicles)

NB: the friction-modifier system incorporated in Q8 T 45 is depleted during service. If rear axle noise should occur, this could indicate that insufficient of this active additive remains in the oil. The axle should then be drained and re-filled with fresh oil

Properties and features
- Incorporates special friction-modifier system to optimise limited-slip function
- Contains rust and corrosion inhibitors

Benefits
- Gives excellent wear protection
- Reduces axle noise
- Extends axle life

Typical Inspection Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>Unit</th>
<th>Inspection Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absolute Density, 15 °C</td>
<td>D 1298</td>
<td>kg/m³</td>
<td>900</td>
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<tr>
<td>Kinematic Viscosity, 40 °C</td>
<td>D 445</td>
<td>mm²/s</td>
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<td>Kinematic Viscosity, 100 °C</td>
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<td>Viscosity Index</td>
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<td>106</td>
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<td>Brookfield Viscosity, -26 °C</td>
<td>D 2938</td>
<td>Pa.s</td>
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<tr>
<td>Flash Point, PM</td>
<td>D 93</td>
<td>°C</td>
<td>182</td>
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<tr>
<td>Pour Point</td>
<td>D 97</td>
<td>°C</td>
<td>- 27</td>
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Health and Safety
Reference should be made to the relevant Q8 Material Safety Data Sheet before use.

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