Q8 T 55 Heavy Duty

Automotive gear lubricants

Description
Q8 T 55 is available as three multigrade viscosities, SAE 80W-90, 80W-140 and 85W-140. They are multi-purpose hypoid gear lubricants containing extreme pressure additives and a very shear-stable viscosity index improver in a solvent refined base oil, designed for use in automotive gear boxes and final drives.

Applications
Q8 T 55 is recommended primarily for all manual gearboxes and final drives where a viscosity from within its wide ranges is specified and special anti-wear protection is required. It is particularly suitable for hypoid and spiral bevel type gears in commercial vehicles, buses, off-highway equipment and passenger cars operating in moderate to heavy conditions.

The appropriate viscosity grade of Q8 T 55 may also be used whenever one or more of the following other specifications indicates the quality of gear lubricant required:

- API GL-5
- MIL-L-2105D
- British Ministry of Defence CS 3000B
- J1 Case MS 1316
- Clark MS-8 Rev.1 (axles)
- Clark Form No. ALC-1 5M 7-80 KE
- TLC-25 3M 8-83
- John Deere JDM J11D/E
- Eaton Bulletin 2053, 6007
- Eaton/Fuller Bulletin
- Ford SM-2C-1011-A, SQM-2C-9002-AA
- Fuller Form 121
- General Motors Pt. no. 88 63 370, 85 476
- Komatsu Dresser B22-0003, B22-0005
- MAN 342
- Mercedes-Benz page 235.0
- Rockwell International 0-76
- VME Americas EEMS 19003F
- Volvo 97310
- ZF TE-ML 05A, 07A, 12A, 16B/C/D, 17B

Properties and Features
- Protects against rust and corrosion
- Very shear stable formulation
- Proven oxidation stability
- Compatible with seal materials

Benefits
- Extends drive-train component life
- Good protection against wear and scoring even under heavy duty and shock loading conditions
- High resistance to thermal and chemical degradation gives extended service life

Typical Inspection Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>Unit</th>
<th>80W -90</th>
<th>80W -140</th>
<th>85W -140</th>
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</thead>
<tbody>
<tr>
<td>SAE Viscosity Grade</td>
<td>D 1298</td>
<td>kg/m³</td>
<td>896</td>
<td>906</td>
<td>909</td>
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<tr>
<td>Absolute Density, 15 °C</td>
<td>D 445</td>
<td>mm²/s</td>
<td>139.5</td>
<td>247.3</td>
<td>431</td>
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<tr>
<td>Kinematic Viscosity, 40 °C</td>
<td>D 445</td>
<td>mm²/s</td>
<td>14.38</td>
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<td>Kinematic Viscosity, 100 °C</td>
<td>D 2270</td>
<td>Pa.s</td>
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<tr>
<td>Viscosity Index</td>
<td>D 2938</td>
<td>Pa.s</td>
<td>135</td>
<td>110</td>
<td>-</td>
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<tr>
<td>Brookfield Viscosity, - 26 °C</td>
<td>D 2938</td>
<td>Pa.s</td>
<td>-</td>
<td>-</td>
<td>69</td>
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<tr>
<td>Brookfield Viscosity, - 12 °C</td>
<td>D 93</td>
<td>°C</td>
<td>178</td>
<td>178</td>
<td>178</td>
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<tr>
<td>Flash Point</td>
<td>D 97</td>
<td>°C</td>
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<td>-27</td>
<td>-15</td>
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<tr>
<td>Pour Point</td>
<td>D 97</td>
<td>°C</td>
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<td>-27</td>
<td>-15</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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In line with our policy of continued improvement, Kuwait Petroleum International Lubricants reserve the right to change specification and availability without prior notice.