RED LINE PROFESSIONAL-SERIES 5W40 DIESEL MOTOR OIL

- Full-synthetic, OEM-certified formula designed for use in older diesel applications as well as newer low-emission diesel engines equipped with exhaust after-treatment devices operating under extreme temperature conditions
- Provides outstanding protection against abrasive wear and soot-induced oil thickening
- Formulated to keep engines clean by providing protection against soot and deposits
- Helps to protect exhaust after-treatment systems from degrading and loss of efficiency
- Protects against rust, bearing and engine wear

APPROVED / CERTIFIED:
API CK-4, CJ-4, CI-4 Plus

RECOMMENDED FOR:

- ACEA E9-08/E7-08
- CATERPILLAR ECF-3, ECF-2, ECF-1-a
- DETROIT DIESEL DFS 93K222
- FORD WSS-M2C171-F1
- MACK EOS 4.5
- MERCEDES BENZ Sheet 228.31
- RENAULT RLD-4
- PSA B71 2296
- VOLVO VDS-4.5

TYPICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACEA Service Class</td>
<td>E9-08/E7-08</td>
</tr>
<tr>
<td>API Service Class</td>
<td>CK-4/CI-4/CI-4 PLUS</td>
</tr>
<tr>
<td>SAE Viscosity Grade (Motor Oil)</td>
<td>5W-40</td>
</tr>
<tr>
<td>Vis @ 100°C, cSt</td>
<td>14.5</td>
</tr>
<tr>
<td>Vis @ 40°C, cSt</td>
<td>96.0</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>166</td>
</tr>
<tr>
<td>CCS Viscosity, Poise, @ °C</td>
<td>62@-30</td>
</tr>
<tr>
<td>Freezing Point °C</td>
<td>-48</td>
</tr>
<tr>
<td>Freezing Point °F</td>
<td>-54</td>
</tr>
<tr>
<td>HTHS Vis, cP @150°C, ASTM D4741</td>
<td>4.2</td>
</tr>
</tbody>
</table>

PACKAGE SIZES:

- 12714 - 5W40 Prof-Series - quart
- 12715 - 5W40 Prof-Series - 1 gallon
- 12718 - 5W40 Prof-Series - 55 gallon

ABOUT RED LINE PROFESSIONAL-SERIES MOTOR OIL

- FULL SYNTHETIC -- OEM-required Group III/Group IV PAO Base Stocks
- Low volatility for reduced oil consumption
- Long-life certification for reduced wear protection following factory drain intervals
- For high- and low-mileage engines
- Compatible with conventional and synthetic oils
- Withstands extreme temperatures

For health safety information, please refer to the Safety Data Sheet at REDLINEOIL.COM