While the information and figures given here are typical of current production and conform to specification, minor variations may occur. The information contained is subject to change without notice. Gazpromneft-Lubricants accept no liability for any damage or loss resulting from using the product in purposes other than it intended, from any failure to comply with the recommendations or from hazards inherent in the nature of the material. If you require any further information please consult our technical helpdesk. E-mail: OilSupport@gazpromneft.ru

GAZPROMNEFT – LUBRICANTS, LTD.  
1431, Krzyzhanovskogo Street, Moscow, 117218 Russia  
Tel: +7 (495) 642-99-69  
Fax:+7 (495) 921-48-63  
www.gazpromneft-oil.com

ISO 9001  ISO 14001  ISO/TS 16949  OHSAS 18001 CERTIFIED

G-Energy Synthetic Active 5W-30  
Fully Synthetic Passenger Vehicle Engine Oil

- Engine oil
- Fully synthetic
- Multigrade
- Gasoline and diesel engines
- Driving comfort
- Engine cleanliness

G-BASE SYNTHETIC TECHNOLOGY combines latest innovations, unique formulations, world class manufacturing techniques and quality management to produce high performance lubricants

G-Energy Synthetic Active 5W-30 is fully synthetic engine oil formulated for the highest level of protection demanded by high performance engines. G-Energy Synthetic Active 5W-30 with G-Base synthetic technology provides enhanced viscosity, friction and volatility performance to ensure long lasting engine life. Advanced fully synthetic formulation can help to increase engine efficiency.

Applications
- Turbo-charged and direct injection high performance engines
- Gasoline and diesel engines without diesel particulate filters (DPF)
- Passenger cars, SUV’s, light trucks and vans
- Highway cruising and stop and go city driving
- Normal to frequently severe operating conditions

Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Advantages and Potential Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fully synthetic</td>
<td>Excellent overall lubrication and wear protection performance for many driving styles</td>
</tr>
<tr>
<td>Excellent cold start-up performance</td>
<td>Quick cold weather starting helps to extend engine life</td>
</tr>
<tr>
<td>Enhanced thermal and oxidation stability</td>
<td>Outstanding performance during the maximum oil change interval recommended in a vehicle’s owner’s manual</td>
</tr>
<tr>
<td>Active cleaning agents</td>
<td>Helps prevent deposits and sludge build-up to enable long engine life</td>
</tr>
<tr>
<td>Improved wear protection</td>
<td>Outstanding wear control during automaker recommended oil change intervals for long component and engine life</td>
</tr>
</tbody>
</table>

Recommendations
- API SL/CF
- ACEA A3/B4
- MB 229.3
- Renault RN 700/710
- VW 502.00/505.00
- AVTOVAZ
Typical Characteristics

<table>
<thead>
<tr>
<th>Properties</th>
<th>Method</th>
<th>G-Energy Synthetic Active 5W-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAE Viscosity Grade</td>
<td>SAE J300</td>
<td>5W-30</td>
</tr>
<tr>
<td>Kinematic Viscosity @40°C, mm²/s</td>
<td>ASTM D445</td>
<td>68.5</td>
</tr>
<tr>
<td>Kinematic Viscosity @100°C, mm²/s</td>
<td>ASTM D445</td>
<td>11.8</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>ASTM D2270</td>
<td>169</td>
</tr>
<tr>
<td>Total Base Number, mg KOH/g</td>
<td>ASTM D2896</td>
<td>11.1</td>
</tr>
<tr>
<td>Flash Point (COC), °C</td>
<td>ASTM D92</td>
<td>232</td>
</tr>
<tr>
<td>Pour Point, °C</td>
<td>ASTM D97</td>
<td>-40</td>
</tr>
<tr>
<td>Density @15°C, kg/m³</td>
<td>ASTM D4052</td>
<td>856</td>
</tr>
</tbody>
</table>

G-Base Synthetic Technology performance benefits

G-Base Synthetic Technology base oils provide improved viscosity, friction and volatility performance compared to traditional base oils. They help to ensure better engine cleanliness, prolong engine life, enhance fuel economy, decrease oil consumption and reduce maintenance costs.

![High temperature deposits control](image1)

High temperature deposits control

- Limit
- G-Energy Synthetic Active 5W-30
- 10% higher

1 – M271 test

Outstanding thermal and oxidation stability helps to prevent harmful sludge and deposits to keep engines clean

![Excellent corrosion protection](image2)

Excellent corrosion protection

- Limit
- G-Energy Synthetic Active 5W-30
- 57% higher

2 – ASTM D2896

Extended TBN reserve to neutralize acidic by-products of combustion for higher corrosion protection helps to extend overhaul intervals

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.