G-Energy Synthetic Long Life 10W-40

Fully Synthetic Passenger Vehicle Engine Oil

- Engine oil
- Fully synthetic
- Multigrade
- Gasoline and diesel engines
- Improved wear protection
- 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 Long Life 10W-40 is high performance fully synthetic engine oil designed to provide excellent wear protection, long life and protection against sludge formation for high mileage engines. G-Energy Synthetic Long Life 10W-40 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 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

<table>
<thead>
<tr>
<th>Features</th>
<th>Advantages and Potential Benefits</th>
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<tbody>
<tr>
<td>Fully synthetic</td>
<td>Excellent overall lubrication and wear protection performance for many driving styles</td>
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<tr>
<td>Active cleaning agents</td>
<td>Improved piston cleanliness prevents ring sticking and sludge formation</td>
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<tr>
<td>Improved thermal and oxidation stability</td>
<td>Helps to resist oil aging allowing extended drain interval protection</td>
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<tr>
<td>Good low temperature performance</td>
<td>Oil flows more quickly and circulates throughout engine at low temperatures to extend engine life</td>
</tr>
<tr>
<td>Wear protection</td>
<td>Improved oil film strength and greater resistance to oil breakdown at high temperatures for strong wear protection</td>
</tr>
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Recommendations
- API SN / CF
- ACEA A3/B4
- MB 229.3
- Renault RN 700/710
- VW 501.01/505.00
- AVTOVAZ
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ISO 9001 ISO 14001 ISO/TS 16949 OHSAS 18001 CERTIFIED

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.

Outstanding wear protection

Limit

G-Energy Synthetic Long Life 10W-40

Cam wear, μm

1 – M271 wear test

Outstanding engine cleanliness

Limit

G-Energy Synthetic Long Life 10W-40

TBN after test, mg KOH/g

2 – VW TDI test

Ultimate protection against wear under all operating conditions for long component and engine life

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

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.

Typical Characteristics

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<tbody>
<tr>
<td>SAE Viscosity Grade</td>
<td>SAE J300</td>
<td>10W-40</td>
</tr>
<tr>
<td>Kinematic Viscosity @40°C, mm²/s</td>
<td>ASTM D445</td>
<td>95.6</td>
</tr>
<tr>
<td>Kinematic Viscosity @100°C, mm²/s</td>
<td>ASTM D445</td>
<td>14.3</td>
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<tr>
<td>Viscosity Index</td>
<td>ASTM D2270</td>
<td>154</td>
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<tr>
<td>Total Base Number, mg KOH/g</td>
<td>ASTM D2896</td>
<td>10.6</td>
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<tr>
<td>Flash Point (COC), °C</td>
<td>ASTM D92</td>
<td>235</td>
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<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>860</td>
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