Vanellus ECO 10W-40
Super Premium Low SAPS Oil for European Diesel Engines

Product Data

Description

Designed specifically for high performance European diesel engines, Vanellus ECO 10W-40 combines synthetic base oils with the very latest advanced additive technology to meet the stringent demands of manufacturers such as Mercedes-Benz, Volvo and MAN. It delivers the highest levels of wear protection, maximised engine life and business cost-efficiencies by means of maximising emission after-treatment devices and super long drain capability.

Vanellus ECO 10W-40 meets the latest needs of low emissions Euro V and Euro IV European trucks and buses, especially those requiring a low SAPS lubricant*

*Low SAPS means that the lubricant is formulated with lower levels of Sulphated Ash, Phosphorous and Sulphur than conventional oils.

Specifications

Vanellus ECO 10W-40 meets the following international performance specifications:

- ACEA E4, E6, E7
- SAE 10W-40

It also meets the following engine manufacturer’s specifications:

- Mercedes-Benz : Sheet 228.5, 228.51 specifications
- MAN: M3277 for CRT™, M3477
- Volvo: VDS-3
- Renault: RXD, RLD-2 approved.
- DAF: Meets extended drain requirements.

Benefits

- Specially designed to meet the demanding requirements of high performance European diesel engines.
- Maximised after-treatment device life and super long drain capability.
- Reduced operating costs due to lower servicing costs and less down-time.
- Helps reduce impact on the environment (low SAPS).
- Premium levels of wear protection, engine cleanliness and oil film strength.
- Excellent soot and sludge handling maximises engine life.
- Low volatility characteristics reduce oil consumption.
- Suitability for both turbo and naturally aspirated diesel engines.
Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health & Safety Recommendations

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet which can be obtained by contacting the BP Lubricants and Fuels Technical Helpline on 1300 139 700. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. BP Australia will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office or the BP Lubricants and Fuels Technical Helpline 1300 139 700.

Typical characteristics

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Unit</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density @ 15°C,</td>
<td>ASTM D1298</td>
<td>kg/L</td>
<td>0.864</td>
</tr>
<tr>
<td>Kinematic Viscosity @ 40°C</td>
<td>ASTM D445</td>
<td>cSt</td>
<td>85.9</td>
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<tr>
<td>Kinematic Viscosity @ 100°C</td>
<td>ASTM D445</td>
<td>cSt</td>
<td>12.9</td>
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<tr>
<td>Viscosity Index</td>
<td>ASTM D2270</td>
<td>-</td>
<td>150</td>
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<tr>
<td>CCS Viscosity @ -25°C</td>
<td>ASTM D2602</td>
<td>cP</td>
<td>6,700</td>
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<tr>
<td>Pour Point</td>
<td>ASTM D97</td>
<td>°C</td>
<td>-39</td>
</tr>
<tr>
<td>Flash Point (COC)</td>
<td>ASTM D92</td>
<td>°C</td>
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<tr>
<td>Total Base Number</td>
<td>ASTM D2896</td>
<td>mgKOH/g</td>
<td>12.4</td>
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<tr>
<td>Sulphated Ash</td>
<td>ASTM D874</td>
<td>% MASS</td>
<td>1.0</td>
</tr>
</tbody>
</table>

*The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*