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### Product and Applications

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<th>Product Name</th>
<th>Kinematic Viscosity at 40°C [mm²/s]</th>
<th>Viscosity Index [VI]</th>
<th>Flash Point [°C]</th>
<th>Stern Tubes</th>
<th>Gear Oil for Transmission &amp; Thrusters</th>
<th>Gear Oil for Gearboxes</th>
<th>Marine Lubes</th>
<th>Hydraulics</th>
<th>Stabilizers/</th>
<th>Wire Ropes</th>
<th>Bow Thrusters</th>
<th>Compressors</th>
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**Note:** Products above are compliant or are currently being registered with the Lubricant Substance Classification (LUSC) of the European EcoLabel.
Advantages our solutions provide:

• Available in all viscosity grades and miscible with conventional fluids
• Applicable for low and high performance marine lubricants
• High flash points, intrinsic lubrication & low volatility
• High viscosity index base stocks for wide temperature range application
• Readily bio-degradable according to OECD 301B
• Minimally aqua toxic with no visible sheen on water surface
• Not bio-accumulative

Volatility and Evaporation Comparison

Low volatility allows lubricants to be used outdoors under severe conditions and minimizes product loss.

Viscosity Index Comparison

Provides stable oil film for good protection to Marine equipment operating under extreme temperature conditions.

Flash Point Comparison

Esters provide higher Flash Points based on Viscosity related comparison.

Esters in Marine Lubricants

DEHYLUB® Esters are based on renewable raw materials, offering value-add by providing high-performance properties like superior lubricity, excellent low temperature behavior and high viscosity index. Combined with its environmentally-friendly characteristics, including good bio-degradability and low aquatic toxicity, esters are the right choice when formulating fluids for demanding applications and special regulations such as the Vessel General Permit (VGP). Backed by the Environment Protection Agency (EPA), all vessels navigating to United States shores greater than 17 metres must be fitted with Environmentally Acceptable Lubricants (EAL).

Preferred Global Partner

Emery Oleochemicals is committed to being your preferred partner in innovative and high performance natural-based ingredients for lubricant applications designed for a sustainable tomorrow.

Sustainable Lubricant Solutions

Emery Oleochemicals products are used to improve processing efficiencies, provide outstanding technical performance, and enhance environmental safety in lubricant applications including oilfield chemicals, hydraulic fluids, base oils, greases, and lube base stocks. We offer environmentally sustainable products including azelaic acid, pelargonic acid, dimer acid, isostearic acid, esters, and other types of natural-based fatty acids and esters.
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<table>
<thead>
<tr>
<th>Product Name</th>
<th>Kinematic Viscosity at 40°C [mm²/s]</th>
<th>Viscosity Index [VI]</th>
<th>Flash Point [°C]</th>
<th>Sump Tubes</th>
<th>Stabilizers/Hydraulics</th>
<th>Gear Oil for Transmission &amp; Thrusters</th>
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Driving Innovation in natural-based lubricants for a sustainable tomorrow

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<th>Product Name</th>
<th>Kinematic Viscosity at 40°C [mm²/s]</th>
<th>Viscosity Index [VI]</th>
<th>Flash Point [°C]</th>
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<th>Stabilizers/ Hydraulics</th>
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