TALUSIA HR 140

Very high BN cylinder lubricant for residual fuels.

**APPLICATIONS**

- Slow speed 2-stroke engines using high sulfur residual fuels.
- Engines with a specifically corrosive nature that demand a higher level of neutralization.

**FEATURES AND BENEFITS**

- **TALUSIA HR 140** is able to efficiently neutralize sulfuric acid formed during combustion of high sulfur residual fuels.
- Suitable for use in on-board mixing systems when used in conjunction with **TALUSIA LS 40** or **TALUSIA UNIVERSAL**.

**SPECIFICATIONS AND APPROVALS**

- MAN ES (MAN B&W) Cat. II
- MAN ES (MAN B&W) ACOM System

**TECHNICAL DATA : TALUSIA HR 140**

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>METHODS</th>
<th>UNITS</th>
<th>TYPICAL VALUES*</th>
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<tbody>
<tr>
<td>S.A.E. Grade</td>
<td>—</td>
<td>—</td>
<td>50</td>
</tr>
<tr>
<td>Density at 15°C</td>
<td>ISO 3675</td>
<td>kg/m³</td>
<td>976</td>
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<tr>
<td>Kinematic viscosity at 100°C</td>
<td>ISO 3104</td>
<td>mm²/s</td>
<td>20</td>
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<tr>
<td>Flash Point (COC)</td>
<td>ASTM D 92</td>
<td>°C</td>
<td>&gt; 230</td>
</tr>
<tr>
<td>Pour Point</td>
<td>ISO 3016</td>
<td>°C</td>
<td>- 9</td>
</tr>
<tr>
<td>BN</td>
<td>ASTM D 2896</td>
<td>—</td>
<td>140</td>
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*The specifications above are for illustrative purposes and communicated for information only.*
This lubricant, when used as recommended and for the application for which it has been designed, does not present any particular risk. A material safety data sheet conforming to the regulations in can be obtained via your Total Lubmarine technical advisor or from sdstotalms.total.com.

**STORAGE**

This product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature range is 5°C to 50°C. Drums that are stored on deck should be raised on pallets and covered to protect from the elements. Always check regularly for leakage.

**COMPATIBILITY**

Compatible with generally available cylinder lubricants. Please consult your Total Marine Lubrication Engineer should you have any questions.

**SHELF LIFE**

5 years from date of manufacture.

**GENERAL RECOMMENDATIONS**

**CUSTOMER BENEFITS**

- **TALUSIA HR 140** has high acid neutralization capacity, ensuring excellent cylinder protection.
- Its high BN created with mineral chemistry maintains cylinder protection over long periods of high sulfur residual fuel usage, preventing corrosion resulting from sulfuric acid formation.
- Prevents cylinder wear and scuffing, and can extend the length of time between engine overhauls.
- **TALUSIA HR 140** is approved by MAN Diesel & Turbo for use in their ACOM (Automated Cylinder Oil Mixing) system.
- MAN ES Category II cylinder lubricant.

**COMPLIMENTARY PRODUCTS AND SERVICES**

- **Atlanta Marine D3005** — Crankcase lubricant for 2-stroke crosshead engines.
- **WT Supra** — Innovative and environmentally friendly cooling system inhibitor concentrate.
- **Drain Oil Analysis** — Comprehensive cylinder oil scrape down analysis examining the cylinder lubrication of the 2-stroke engine.
- **DiagomarPlus** — Laboratory based used oil analysis program.
- **Tech’Care** — Suite of onboard testing kits.