Talusia HD 40
A premium High Detergency cylinder oil for low sulfur applications.

APPLICATIONS
All 2-stroke engines, including the latest generation of crosshead engines, running on low sulfur fuels.

Engines running on low sulfur fuels that require a BN 40 lubricant conforming to the MAN ES Category II specification.

FEATURES AND BENEFITS
Talusia HD 40 is a cylinder lubricant specifically formulated for demanding applications where a greater level of detergency is required.

Particularly designed for slow speed 2-stroke engines running on Low Sulfur fuels with up to 0.5% sulfur content.

SPECIFICATIONS AND APPROVALS
✔ MAN ES (MAN B&W) Category II

TECHNICAL DATA : TALUSIA HD 40

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>METHODS</th>
<th>UNITS</th>
<th>TYPICAL VALUES*</th>
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</thead>
<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>913</td>
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<tr>
<td>Kinematic viscosity at 100°C</td>
<td>ISO 3104</td>
<td>mm²/s</td>
<td>19</td>
</tr>
<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>&lt;= -6</td>
</tr>
<tr>
<td>BN</td>
<td>ASTM D 2896</td>
<td>—</td>
<td>40</td>
</tr>
</tbody>
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*The specifications above are for illustrative purposes and communicated for information only.
### CUSTOMER BENEFITS

- ✔ Specially formulated to ensure reliable operations with a wide range of low sulfur fuels.
- ✔ Engines using Talusia HD 40 are protected against deposit formation which can lead to scuffing issues.
- ✔ Talusia HD 40 delivers excellent cleanliness and outstanding deposit control.
- ✔ Recommended for use in Mark 9 and higher and Dual Fuel 2-stroke marine diesel engines from MAN Energy Solutions (MAN ES).
- ✔ Simplifies lubrication of Mark 9 and higher engines, removing the need to alternate with a BN 100 cylinder oil.

### GENERAL RECOMMENDATIONS

#### COMPATIBILITY
Compatible with generally available cylinder lubricants.

Please consult your Lubmarine Lubrication Engineer should you have any questions.

#### 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.

### COMPLIMENTARY PRODUCTS AND SERVICES

- ✔ Atlanta Marine D3005 — Crankcase lubricant for 2-stroke crosshead engines.
- ✔ WT Supra — Innovative and environmentally friendly cooling system inhibitor concentrate.
- ✔ LubDiag – Engine Monitor / Engine Optimize — Comprehensive cylinder oil scrape down analysis examining the cylinder lubrication of the 2-stroke engine.
- ✔ LubDiag – Oil Analysis — Laboratory based used oil analysis program.
- ✔ LubInsight — Suite of onboard testing kits.