Cylinder oil for IMO 2020 compliant fuel applications.

**APPLICATIONS**

- All 2-stroke engines running on low sulfur IMO 2020 compliant fuels.
- Suitable for all IMO 2020 and ECA compliant fuels.

**FEATURES AND BENEFITS**

- **TALUSIA LS 40** is a marine cylinder lubricant which has been designed specifically for slow speed 2-stroke engines using low sulfur residual fuels.
- Developed in close collaboration with major OEMs, **TALUSIA LS 40** meets the requirements of Japan Engine Corporation, MAN ES, and WinGD.

**SPECIFICATIONS AND APPROVALS**

- ✔ MAN ES (MAN B&W)
- ✔ WinGD (Wärtsilä)
- ✔ Japan Engine Corporation (UE Engines)

**TECHNICAL DATA : TALUSIA LS 40**

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>METHODS</th>
<th>UNITS</th>
<th>TYPICAL VALUES*</th>
</tr>
</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>920</td>
</tr>
<tr>
<td>Kinematic viscosity at 100°C</td>
<td>ISO 3104</td>
<td>mm²/s</td>
<td>20</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>- 9</td>
</tr>
<tr>
<td>BN</td>
<td>ASTM D 2896</td>
<td>—</td>
<td>40</td>
</tr>
</tbody>
</table>

*The specifications above are for illustrative purposes and communicated for information only.*
### CUSTOMER BENEFITS

- **TALUSIA LS 40** maintains engine cylinder cleanliness and minimises deposit build-up on piston crowns, rings and liners.

- With its low BN and its conventional calcium carbonate chemistry, it is optimised to efficiently lubricate engines using IMO 2020 compliant fuels.

### GENERAL RECOMMENDATIONS

#### 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.

#### 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.

- **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.