Your safe haven.

BALINIT coatings for reliable engine valves, valve plates, valve seats and piston rings for diesel- and LNG-engines.

BALINIT 涂层让柴油和天然气发动机的阀门、阀板、阀座和活塞环更稳定。
BALINIT coatings improve efficiency and reduce emissions.

Ship engines have to be more and more efficient to reduce emissions at sea but also in harbours. Higher engine temperatures and pressures lead to increased stress and tribological demands on critical components such as: valves, valve plates, piston pins and piston rings. BALINIT® coatings have superior hardness and friction properties compared to classic coatings like electroplated chromium and therefore reduce wear and friction.

Now benefit from less wear, less hydrocarbon buildup and higher wear resistance:

现在磨损减少，碳氢化合物沉积减少，抗磨损性提高：

Your advantages with BALINIT coated engine components:

经BALINIT涂层后的发动机零部件优势:

- Higher wear resistance due to higher hardness
- Enabling higher engine pressures
- Less frictional losses and therefore less emissions
- 较高的硬度带来了较高的抗磨损保护
- 使发动机承受更高的压力
- 减少摩擦损失使废气排放减少

We recommend: BALINIT coatings for more engine power.

我们推荐：BALINIT涂层使您的发动机更强劲。

<table>
<thead>
<tr>
<th>Coating</th>
<th>Coating material</th>
<th>Micro-hardness (HV 0.05)</th>
<th>Typical thickness</th>
<th>Coefficient of friction μ against steel (dry)</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>BALINIT® DLC</td>
<td>a-c:H</td>
<td>2500</td>
<td>2-4 μm</td>
<td>0.1 - 0.2</td>
<td>Black-grey 高灰</td>
</tr>
<tr>
<td>BALINIT® FUTURA NANO</td>
<td>TiAlN</td>
<td>3300</td>
<td>2-7 μm</td>
<td>0.5</td>
<td>Blue-grey 蓝灰</td>
</tr>
<tr>
<td>BALINIT® CNI</td>
<td>CrN</td>
<td>1700</td>
<td>5-40 μm</td>
<td>0.5</td>
<td>Grey 灰色</td>
</tr>
</tbody>
</table>

There's much more to talk about – please get in touch to discuss what we can do to improve your business.

更多需要了解，请与我们联系。

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