BOOST YOUR PUMP PERFORMANCE WITH OUR NEW ANTI-STICKING PUMP ELEMENT
Our customers’ needs are in the foreground of every development we take on – and our new generation of anti-sticking pump elements is a perfect example. Deposits in the barrel often lead to the plunger sticking. This is most often the result of an incompatibility between the fuel and lubricating oil, i.e. low total base number values, and/or an incompatibility between different fuels.

With the new anti-sticking solution, we have succeeded in reducing the formation of deposits – therefore reducing the risk of sticking. Key benefits include increased time before overhaul (TBO) and reduced engine downtime which result in a 4- to 10-fold increase in length of performance. What makes this possible is the combination of an innovative coating together with targeted design optimizations. The hydraulic properties of the anti-sticking pump elements correspond exactly to those of the previous series pumps.

**BENEFIT FROM THE ADVANTAGES OF AN ALL-NEW GENERATION OF PUMP ELEMENTS**

**4 TO 10 TIMES MORE RUNNING HOURS**
Our special coating reduces deposits and significantly extends running hours compared to standard products.

**LESS STICKING OF THE PLOUNGERs**
A microgroove with a scraper ring separates the lubricating oil from the fuel and reduces the building of deposits in the barrel.

**REDUCED SERVICE REQUIREMENTS**
The innovative anti-sticking solution ensures significantly longer maintenance intervals, therefore reducing service costs.

**SUCCESSFUL APPLICATIONS**
This new generation of pump elements has already been used successfully in many different applications.

**AN INNOVATION FROM WOODWARD L'ORANGE SERVING OUR CUSTOMERS’ NEEDS FOR OPTIMIZED RUNNING PERFORMANCE**
IMPROVED RUNNING PERFORMANCE AND LONGER SERVICE INTERVALS WITH OUR ANTI-STICKING SOLUTION

The pump elements are already available for the following systems:

<table>
<thead>
<tr>
<th>System</th>
<th>Series pumps</th>
<th>Anti-stick pumps</th>
<th>Anti-stick pump elements</th>
</tr>
</thead>
<tbody>
<tr>
<td>16/24 IMO II</td>
<td>PYO-G092A</td>
<td>PYO-G092C</td>
<td>PYO-U8045A</td>
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<tr>
<td>21/31 IMO I</td>
<td>PDO-G017AV1</td>
<td>PDO-G017AV2</td>
<td>PDO-U824V3</td>
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<td>PDO-G031B</td>
<td>PDO-U828A</td>
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<td>PEM-G008A</td>
<td>PEM-G008E</td>
<td>PEM-U816E</td>
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<td>32/40 CD IMO I, II</td>
<td>PEM-G009A</td>
<td>PEM-G009E</td>
<td>PEM-U818E</td>
</tr>
</tbody>
</table>

All parts can be exchanged retroactively.

Challenge us – our experts will find the best possible solution for you.
Contact our Sales team for more information about our solutions and how you can benefit from them. We look forward to hearing from you.
email: sales@lorange.com or email: sales.asia@lorange.com