

## Recommended Lubricants for Flywheel & Pinion Gear Teeth of Wärtsilä & Sulzer Engines

RTA-type engines with water cooled pistons:

RTA84, RTA76, RTA68, RTA58

RTA and RT-flex type engines with oil cooled pistons:

RTA96C, RTA96C-B, RT-flex96C-B  
 RTA84T, RTA84T-B, RTA84T-D, RT-flex84T-D  
 RTA84C (UG), RTA84M  
 RTA82T, RT-flex82T, RTA82C, RT-flex82C  
 RTA72, RTA72U, RTA72U-B  
 RTA68T-B, RT-flex68T-B, RTA68-D, RT-flex68-D  
 RTA62, RTA62U, RTA62U-B  
 RT-flex60C, RT-flex60C-B  
 RTA58T, RTA58T-B, RT-flex58T-B  
 RTA52, RTA52U, RTA52U-B  
 RTA50, RTA50B, RT-flex50, RT-flex50-B  
 RTA48, RTA48T, RTA48T-B  
 RTA38

Supplier	Brand	Picture	Remark
<b>Lubrication Engineers Inc.</b> 300 Bailey Avenue Fort Worth Texas 76107 USA Tel +1 817 834 6321 Fax +1 817 834 2431 <a href="http://www.le-inc.com">http://www.le-inc.com</a> <a href="http://www.le-international.com">http://www.le-international.com</a> Email: <a href="mailto:info@le-international.com">info@le-international.com</a>	<b>LE 5182            PYROSHIELD</b>		Apply the lubricant in a zigzag line (see picture) to provide a thin layer of lubricant over the entire gear tooth surfaces.
Other Suppliers?	Other Brands?		If you have further proposals, please do not hesitate to send them to Wärtsilä-Switzerland Ltd. for approval.

### Application Instruction:

Generally, the lubricant needs to be spread evenly in a **very thin layer** over the tooth flanks of turning gear pinion and flywheel in order to prevent it from being thrown off at full engine speed.

### General Re-Lubrication Intervals:

According visual Inspection results, when hardly any lubricant is left any more on the highest loaded tooth flank areas, i.e. before tooth flanks nearly run dry => Roughly every 2'000 running hours of the diesel engine, or more frequently, as required.

### Liability:

The application must be in compliance with the Wärtsilä general requirements and recommendations as given in the manuals. The supplying company undertakes all responsibility for the performance of the lubricant in service to the exclusion of any liability of Wärtsilä Switzerland Ltd.