

for MITSUI—MAN B&W engines,  <b>Guidance for piston ring when operating on low sulfur fuel oil</b>		<b>No.101</b>												
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		<b>PREPARED</b>	<b>H.Kudo</b>											
<b>ENGINE TYPE</b>	<b>All engines</b>	<b>DATE</b>	<b>2019/3/6</b>											
<p>For continuous usage of low Sulphur fuels, less than 0.5%, we recommend installing Cermet coating piston rings on top and lower piston rings to improve anti-scuffing performance.</p> <p>For recently built engines, cermet coating piston ring is installed as standard from delivery. On the hand, for conventional built engines which was centered on MC type, they are not installed as standard from delivery.</p> <p>In this connection, for main engines with no cermet coating piston rings, we would like to recommend replacing all piston rings with cermet coating piston ring at the next piston overhaul opportunity.</p> <p>For Mitsui built engines, the following engine types* were delivered with cermet coating piston rings;</p> <table border="1"> <thead> <tr> <th>Engine</th> <th>Cermet coating piston ring</th> </tr> </thead> <tbody> <tr> <td>S50MC-C Mk.7 or later</td> <td rowspan="2">Top ring</td> </tr> <tr> <td>S50ME-B/ME-C Mk.8 or later</td> </tr> <tr> <td>G50ME-C Mk.9 or later</td> <td rowspan="5">All</td> </tr> <tr> <td>S60,65,70,80,90MC-C Mk.7 or later</td> </tr> <tr> <td>S/G60,65,70,80,90,95ME-C Mk.7 or later</td> </tr> <tr> <td>K90,98MC/MC-C Mk.6 or later</td> </tr> <tr> <td>K98ME/ME-C Mk.6 or later</td> </tr> </tbody> </table> <p>* For some engines, there may be cases where there were specification changes during manufacturing. If you have any questions or concerns, please contact Mitsui E&amp;S Machinery Co., Ltd. Technoservice Div.</p>				Engine	Cermet coating piston ring	S50MC-C Mk.7 or later	Top ring	S50ME-B/ME-C Mk.8 or later	G50ME-C Mk.9 or later	All	S60,65,70,80,90MC-C Mk.7 or later	S/G60,65,70,80,90,95ME-C Mk.7 or later	K90,98MC/MC-C Mk.6 or later	K98ME/ME-C Mk.6 or later
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<b>PRIORITY</b>														
<b>IMMEDIATELY</b> <input type="checkbox"/>	<b>AT FIRST OPPORTUNITY</b> <input checked="" type="checkbox"/>	<b>WHEN CONVENIENT</b> <input type="checkbox"/>	<b>OTHERS</b> <input type="checkbox"/>											

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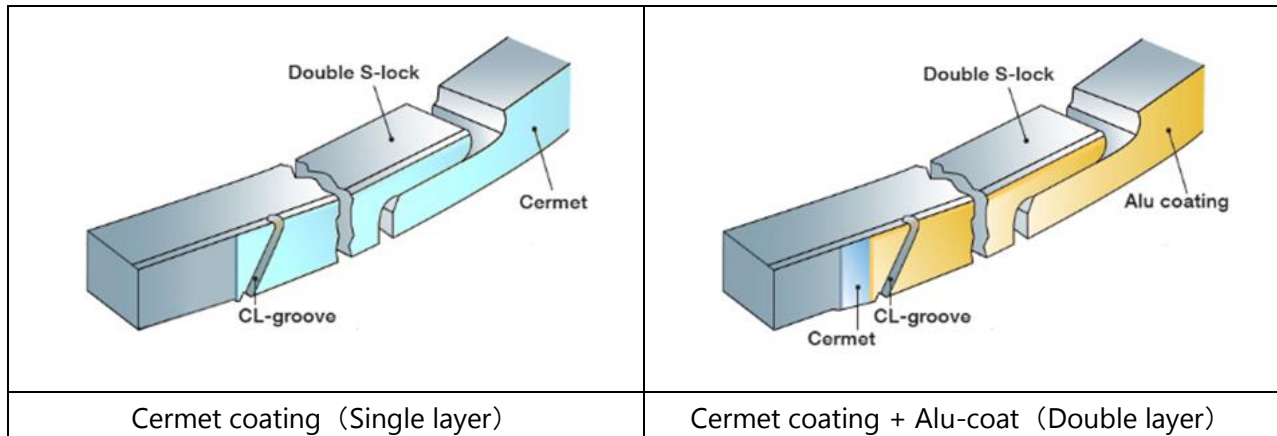
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For engine types not mentioned above, we would like to recommend installing cermet coating piston rings on and furthermore we additionally recommend to replace all piston rings with cermet coating piston rings.

Finally, there is also the option of installing piston rings with cermet coating piston ring and Alu-coat in sliding surface. Please refer Techno News No.083 about details.



Please contact to your local sales representative for more information for your engine type. For contact details, please refer to Mitsui Service Note No.111.