

**NAVISURANCE MUTUAL PROTECTION & INDEMNITY PTE LTD****ANNEX 1 – NMP&I STEEL PRELOADING SURVEY –  
RUST AND PHYSICAL (MECHANICAL) CONDITION CLAUSES**

When describing steel cargo condition in Reports and on Mate's Receipts, surveyors must use the **bold text clauses** which are listed below. Surveyors may use more than one surface-condition clause and/or mechanical damage clause to describe the damage observed.

**NOTE:** The words inside the brackets are only to assist the surveyor's understanding of the bold text clauses to be used and are **not** a part of the clauses.

<b>Surface Condition Clauses</b>	<b>Mechanical Damage Clauses</b>
<p><b>1. Covered with snow</b> (Surface covered with snow or ice.)</p> <p><b>2. Galvanizing affected by white oxidation marks</b> (Zinc coating losing lustre and etched with white-colored oxidation marks.)</p> <p><b>3. Galvanizing affected by white rust</b> (Zinc coating heavily oxidized and covered in voluminous white colored rust.)</p> <p><b>4. Galvanizing dull</b> (Zinc coating losing lustre as a result of early oxidation.)</p> <p><b>5. Grease spots &amp; oil patches apparent</b> (Surface stained with grease &amp; oil spots.)</p> <p><b>6. Partly rust stained</b> (Fine powdery rust covering less than 75% of the surface.)</p> <p><b>7. Partly rusty</b> (Brown to heavy deep brown rust covering less than 75% of the surface.)</p> <p><b>8. Rust on edges</b> (Brown to heavy deep brown rust confined to edges.)</p>	<p><b>1. Bent, flanges and webs distorted.</b> (A straight structural section has been bent causing both flanges and webs to be distorted.)</p> <p><b>2. Bundle pieces bent along entire length. Affects about __ in number pieces.</b> (A number of straight plates, rods, pipes or other small scantling pieces in a bundle are bent along their entire length.)</p> <p><b>3. Bundle pieces projecting at ends. About __ in number pieces bent.</b> (Some plates, rods, pipes or other small scantling pieces in a bundle are projecting beyond most others resulting in bent ends for a certain number.)</p> <p><b>4. Concrete coating (hairline cracked / chipped / broken) at __ location.</b> (The concrete weight coating on a pipe has hairline cracks or is chipped or broken at the noted location.)</p> <p><b>5. Dented at __ in number positions at __ location.</b> (A pipe or other hollow section is dented in a number of positions at a particular location causing a reduction in internal dimensions.)</p>