Ship Name: **LOWLANDS MAINE**
Ship Type: **Bulk Carrier**
Flag: **Panama**
IMO Number: **9304239**
Date of Action: **2/8/2020**
Action Taken: **Detention**
Port: **Portland, Oregon**
Unit: **Sector Columbia River**

Deficiencies:

<table>
<thead>
<tr>
<th>Code - Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07126 - Oil accumulation in engine room</td>
<td>The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended and shall be so installed and protected as to reduce to a minimum any danger to persons on board. The fuel oil pump on the #2 generator was found to be excessively leaking, effectively soaking all surrounding pipe insulation and creating a pool of oil below the generator.</td>
</tr>
<tr>
<td>07126 - Oil accumulation in engine room</td>
<td>The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended. Excessive pooling of fuel oil was found throughout the main engine cylinder housing area, filling component seams, coating horizontal surfaces, and continuing to run down the engine sides to level below.</td>
</tr>
<tr>
<td>07126 - Oil accumulation in engine room</td>
<td>The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended. The double jacketed fuel injector lines leading to the #5 cylinder were found to be leaking excessively to the point where fuel oil was dripping off the braided metal sheathing.</td>
</tr>
<tr>
<td>07126 - Oil accumulation in engine room</td>
<td>The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended and shall be so installed and protected as to reduce a minimum any danger to persons on board. Excessive oily rags found throughout engine room, under generator, on the main engine, and throughout the fuel purifier flats, which presents a significant fire hazard and danger to the ship and its crew.</td>
</tr>
</tbody>
</table>

Recognized Org: **Nippon Kaiji Kyokai**
Recognized Security Organization (RSO):
Recognized Org (RO) Related: **Class Related**
Relevant Certificates: **Safety Construction**
Organization Related to Detention: **Nippon Kaiji Kyokai**

Ship Management: **Owners, Operators, or Managers**
**Misuga**
**Misuga Kaiun Holland B.V.**
**Charterers**
**Bunge S.A.**
The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended and shall be so installed and protected as to reduce to a minimum any danger to persons on board. Excessive leakage from all fittings was found on the #2 fuel oil purifier resulting in oil soaked insulation on all associated piping. In addition, a crew-engineered funnel-strainer apparatus was found installed on the #2 fuel oil piping.

The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended. Excessive leakage was observed from all connections and fittings on the number 2 fuel oil heat exchanger manifold resulting in oil soaked insulation on all associated piping, thus creating a serious fire hazard and presenting a clear danger to the ship and its crew.

The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended. The #1 fuel oil circulation pump was found to be excessively leaking from the mechanical seal. Additionally a coffee can was utilized to collect the fuel oil with fuel oil coating the surrounding area.

The machinery, associated piping systems and fittings shall be of a design and construction adequate for the service for which they are intended. Oil leakage from the generators and fuel oil purifier flats permeated through deck openings which saturated the cable runs below containing up to 7 electrical cables.