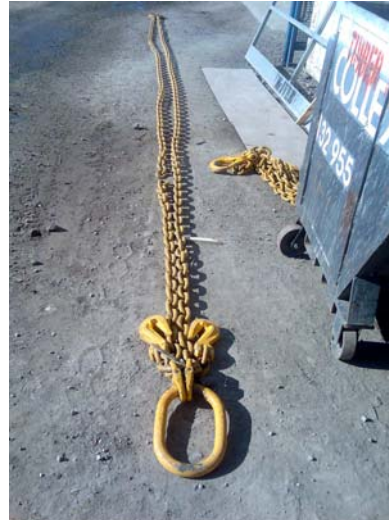


# SAFETY ALERT No.2

## Lifting Chains



<p><b>Incident Summary</b></p>	<p>On May 23<sup>rd</sup> 2007 N3 crane on the Melbourne Convention Centre Development was being used to straighten a steel beam that was out of level. The crane was using one 16mm G80 GUNNEBO Alloy Chain Sling that was hooked to the beam with a 5 tonne beam clamp.</p> <p>As the crane was slowly taking the weight of the beam in order to position it in the final location the chain failed, in that a single link approximately 1 metre from the oblong main ring has separated and opened at the weld during lifting procedures. The sudden release of the sling from the steel beam that was being lifted caused shock loading to the tower crane.</p>
<p><b>Causes</b></p>	<ul style="list-style-type: none"> <li>• An examination of the chain link reveals a possible internal fault with the weld.</li> </ul>
<p><b>Preventative Measures</b></p>	<ul style="list-style-type: none"> <li>• The 2 leg chain sling (Tag Serial No. BV 1311206.1) and another identical 16mm 2 leg chain sling (Tag Serial No. BV 1311206.2) were immediately removed from service.</li> <li>• WorkSafe have recommended that all yellow GUNNEBO 16mm chain slings that are currently being used on the MCCD Project be replaced and removed from service and returned to the supplier/manufacturer for inspection and testing to ascertain whether there is a fault with this particular batch of chains.</li> <li>• WorkSafe also recommended that all slings on the MCCD Project which have not undergone a recent testing by a NATA approved testing agency (or equivalent alternative competent tester) should be removed from service and retested or replaced with suitable chain slings which have undergone a recent load test. (not just a visual test)</li> <li>• A thorough inspection of the N3 crane was also conducted to check for any possible damage caused by the shock loading.</li> </ul>