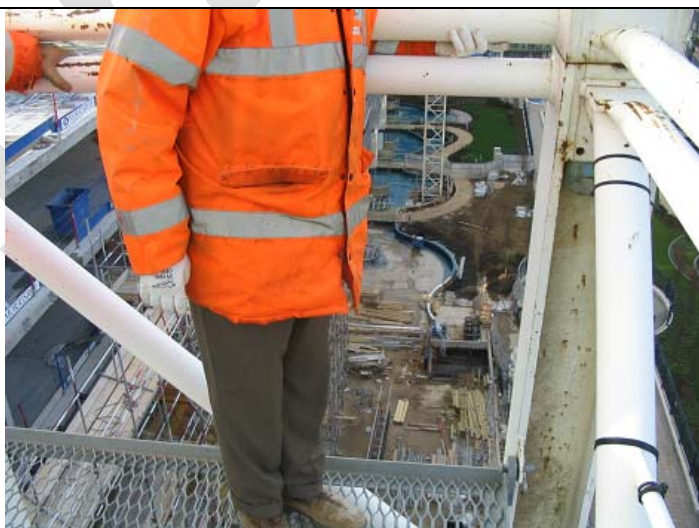


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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|---|-------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     | <b>Construction Plant-hire Association</b><br>Tower Crane Interest Group |          |                                                                                     |  |              |   |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | <b><i>Tower Crane Technical Information Note</i></b>                     |          |                                                                                     |                                                                                     |              |   |             |
| <b>TIN 008</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     | <b>Tower Crane Edge Protection</b>                                       |          |                                                                                     |                                                                                     |              |   |             |
| <p>The <i>Work at Height Regulations 2005</i> require that edge protection in all accessible areas of the tower crane structure should be adequate to prevent falls. The access provisions of tower cranes manufactured since the beginning of 2005 should comply with the requirements of BS EN 13586:2004+A1:2008 <i>Cranes – Access</i>. This Standard includes requirements for stairs, ladders, walkways, platforms, handholds, handrails, intermediate guardrails and side protection. Access for older tower cranes may not meet these requirements and should be assessed to ensure that they meet the requirements of the <i>Work at Height Regulations</i>. Particular attention should be paid to the following items:-</p> <ul style="list-style-type: none"><li>• Gaps between adjacent handrails;</li><li>• Excessive gaps around openings in decking panels;</li><li>• Openings not protected by intermediate guardrails such as tower sections adjacent to rest platforms.</li></ul> |     |                                                                          |          |                                                                                     |                                                                                     |              |   |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |                                                                          |          |  |                                                                                     |              |   |             |
| <b>Figure 1 – Handrail Gaps</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |                                                                          |          | <b>Figure 2 – Openings in Deck Panels</b>                                           |                                                                                     |              |   |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                                          |          |                                                                                     |                                                                                     |              |   |             |
| <b>Figure 3 – Lack of Intermediate Guardrail</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                          |          |                                                                                     |                                                                                     |              |   |             |
| <i>TIN No.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 008 | <i>Issue Date</i>                                                        | 18.03.15 | <i>Review Date</i>                                                                  | 18.03.20                                                                            | <i>Issue</i> | C | Page 1 of 1 |