

Notes regarding inspection reports for cranes:

- 5 inspection reports for each category of crane being applied for are required.
- It is accepted that commercial/customer detail can be erased from the submitted reports, but not to the extent that the crane make, model and/or capacity are removed
- The inspection reports are required to help assess the candidate's ability to inspect a crane in accordance with the ACOP. If a report does not fully demonstrate this, it may not be accepted.
- The nature of a crane inspection report is such that some elements can be adequately dealt with by a simple check box; other elements require measurements, descriptions, instructions or explanations. The reports should evidence that all elements have been most appropriately appraised. E.g. Hook wear should be measured; pulley sheaves should be checked with a gauge, etc
- The ACOP for cranes requires that inspections include "maintenance records". This means the controller must have a creditable system in place, which maintains a reasonable record of all checks and maintenance as directed by the crane manufacturer. This would typically include, but is not limited to: log books with daily checks, weekly checks and lubrication, monthly checks and maintenance, all repair and adjustment work and reinspections etc. For cranes not brand new, this also requires such records are perused to ensure the checks and maintenance is in fact being done and to help ensure maintenance and any repairs have been attended to correctly and to detect any potential anomalous situation.
- All/any welding repairs must be accompanied by acknowledgement of sighting of the manufacturer's weld repair instructions, with preparation and process inspected.

Some categories of cranes have special concerns which must show evidence of having been addressed by the inspector in the reports

- some examples in Category B, Tower Cranes:

- A newly erected or modified tower crane requires an erectors statement signed by a qualified crane erector per ACOP table 4.1
- Slewing reports which measure and track the axial play of the crane slewing and compare to the manufacturer's defined limits are required to be viewed and accessed by the inspector.
- Reuse of foundation anchors must be date checked against manufacturer's instructions and ACOP rules.
- Prestressed bolts should be randomly checked and the torque/tensioning device should be calibrated.
- All components must be properly identified and checked as being assembled in the correct order for NZ wind and seismic conditions.
- Filing of an electrical certificate of conformity.

- candidates are specifically referred to appendix "h" of the ACOP (3<sup>rd</sup> edition) for guidelines

-specific concerns and questions may be emailed to CBIP for further clarification