

INSPECTION AND PRE-USE SAFETY CHECKS

A preventative inspection, maintenance and testing program will help ensure a crane is safe to use. Inspections and maintenance should be done in accordance with the manufacturer's instructions or, if these are not available, a competent person's specifications or according to relevant technical standards and engineering principles.

Inspecting and testing for cranes must include the:

- Major inspection required for registrable mobile and tower cranes.
- Regular inspection and testing required for plant.
- Inspection and testing for plant item re-registration.

Before a crane is used, tests, inspections and specific adjustments must be undertaken to ensure the crane can be used safely. This includes:

- Workplace factors including ground load bearing capacity, wet or windy conditions are taken into account.
- To confirm the crane will not adversely affect or be affected by other plant and structures in the area.
- Installation and commissioning activities are supervised by a competent person.
- The components are assembled in the correct sequence using the right tools and equipment.
- Limit switches and load indication devices are functioning and correctly calibrated.
- The crane has been installed and commissioned to the designer's or manufacturer's instructions and specified technical standards.
- The crane is stable.
- Safe entry and exit from the crane, including in an emergency.

Reference: www.safeworkaustralia.gov.au/system/files/documents/1703/guide-to-inspecting-and-maintaining-cranes.pdf