Markham Crane Certification

Markham Crane Certification - The Crane Certification Program covers the industry recommended content which will teach the efficient and safe operation of cranes. The individual will train in the following: how to identify cranes and their component parts; pre-operational, operational and post-operating requirements; how to determine overall lift capacity; rigging components and inspection/rejection criteria; and needs particular to the work place where the individuals training would be operating.

The requirements which need to be done before operating a crane like for instance assigning authority for the pre-operational check; performing the sequential pre-operational check based on the manufacturer's specifications or specifications certified by a professional engineer; checking the log book for comments; inspecting the work place for obstacles and hazards; checking hooks, chains, cables, safety latches and crane movement; ensuring the right functioning of operational controls; and learning how to make sure that the disconnect switch/isolator of the crane is correctly functioning.

The requirements to operating a crane will include the identifying of responsibilities and roles, and the determination of the need for a formal lift plan. The trainee would learn how to do danger assessments for the different environmental situations, physical situations and workers. Subject matter consists of determining when to seek competent assistance, the destination of loads and the safest route, and centre of gravity and load weight.

It is vital for people training to be able to identify an over-capacity lift, choose right rigging machinery, know load limits, and determine a safe site from which to work. Individuals training will review both site-specific and universal crane signals for lifts, and methods for traveling, lifting and loading. Appropriate maintenance practice will be included.

The individuals training would undergo an examination to test their knowledge of emergency response techniques for various situations, specifically electrical or mechanical failures. They would be asked to describe shut down and parking procedures for safety and security, to follow tagging and lock out techniques, and to explain why near misses are reported and recorded to the appropriate individual. Log book records need to be maintained.

Individuals training will develop knowledge of rigging, particularly, establishing who has responsibility and authority for rigging, identifying various types of rigging, knowing load capacity ratings and storage procedures.

Post-operational requirements comprise entering defects or deficiencies, maintenance and service history in the log book, based on state, provincial and federal codes requirements.

Site-specific requirements could be included into the safety training program based on the employer's needs.