Brampton Crane Certification

Brampton Crane Certification - The Crane Certification Program covers the industry recommended content that would teach the safe and efficient operation of cranes. The person 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 specific to the work location where the individuals training will be working.

The requirements that should be carried out before operating a crane like for instance assigning authority for the pre-operational check; doing 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 hazards and obstacles; inspecting cables, hooks, chains crane movement and safety latches; ensuring the proper functioning of operational controls; and learning how to ensure the disconnect switch/isolator of the crane is functioning right.

The requirements to operating a crane will include the identifying of roles and responsibilities, and the determination of the requirement for a formal lift plan. The trainee will know how to do danger assessments for the different environmental conditions, physical conditions and employees. Subject matter includes determining when to seek competent support, the safest route and destination of loads, and load weight and centre of gravity.

It is vital for individuals training to be able to identify an over-capacity lift, choose correct rigging machine, know load limitations, and determine a safe location from which to operate. Trainees would review both universal and site-specific crane signals for lifts, and techniques for traveling, lifting and loading. Right maintenance practice will also be covered.

The trainee will undergo an examination to test their understanding of emergency response procedures for different conditions, specially electrical or mechanical failures. They would be asked to describe shut down and parking procedures for security and safety, to follow lock out and tagging procedures, and to explain why near misses are reported and recorded to the right individual. Log book records must be maintained.

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

The requirements after operation of the crane will be taught too, learning to enter the deficiencies and defects; and to log the history of maintenance and service records, in accordance to the provincial, federal and state codes requirements.

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