Kitchener Crane Certification

Kitchener Crane Certification - The Crane Certification Program consists of the industry recommended content that will teach the efficient and safe 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; rigging components and inspection/rejection criteria; how to determine overall lift capacity; and requirements specific to the work place where the trainees will be working.

Pre-operational requirements comprise 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 work area for obstacles and hazards; checking the log book for comments; checking cables, hooks, chains crane movement and safety latches; ensuring the proper functioning of operational controls; and knowing how to make sure that the crane's disconnect switch/isolator is properly working.

Operational requirements comprise identifying roles and responsibilities, and determining the requirement for a formal lift plan. Trainees would be taught how to carry out a hazard assessment related to environmental conditions, physical conditions and staff. Subject matter comprises determining when to seek competent assistance, the destination of loads and the safest route, and load weight and centre of gravity.

Individuals training should be able to identify an over-capacity lift, in addition to be able to choose appropriate rigging machine, select load limitations, and to determine the safe site for the crane to work from. Individuals training would review both universal and site-specific crane signals for lifts, and techniques for loading, traveling and lifting. Correct maintenance habits will likewise be included.

People training will be evaluated on their understanding of the need for emergency response procedures for different scenarios such as an electrical or mechanical failure. They would be asked to describe shut down and parking procedures for security and safety, to follow tagging and lock out techniques, and to explain why near misses are reported and recorded to the right person. Log book records must be maintained.

The person training will be taught the particulars of rigging, and know the responsibility and authority for rigging. They will know to identify the different types of rigging, storage procedures and the load capacity ratings.

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

Site-specific needs could be incorporated into the safety training program according to the employer's requirements.