Crane Certification Hamilton

Crane Certification Hamilton - The Crane Certification training program includes content suggested by industry about the safe and efficient operation of cranes. People training would learn the following: pre-operational, operational and post operating requirements; how to identify cranes and their component parts; rigging components and inspection/rejection criteria; how to determine overall lift capacity; and requirements particular to the work site where the people training would be operating.

The requirements which should be done before operating a crane such as 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; inspecting the work area for hazards and obstacles; checking the log book for comments; inspecting cables, hooks, chains crane movement and safety latches; making certain of the correct functioning of operational controls; and knowing how to make certain that the crane's disconnect switch/isolator is properly working.

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

Individuals training should be able to identify an over-capacity lift, in addition to be able to pick correct rigging machinery, select load restrictions, and to determine the safe location for the crane to operate from. Trainees will review both universal and site-specific crane signals for lifts, and techniques for loading, traveling and lifting. Proper maintenance habits will also be included.

Individuals training will be evaluated on their knowledge of the need for emergency response procedures for various circumstances such as a mechanical or electrical failure. They would be asked to describe shut down and parking procedures for security and safety, to follow lock out and tagging techniques, and to explain why near misses are recorded and reported to the right individual. Log book records need to be maintained.

Individuals training would 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.

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

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