Guelph Crane Certification

Guelph Crane Certification - The Crane Certification training program covers content recommended by industry concerning the safe and efficient operation of cranes. Trainees would know 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 location where the trainees would be operating.

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

Operational requirements include identifying roles and responsibilities, and determining the requirement for a formal lift plan. People training will be taught how to carry out a hazard assessment connected to environmental circumstances, physical conditions and workers. Subject matter consists of determining when to seek competent help, the safest route and destination of loads, and load weight and centre of gravity.

Individuals training must be able to identify an over-capacity lift, in addition to be able to pick appropriate rigging machine, choose load limitations, and to determine the safe site for the crane to work from. Trainees will review both universal and site-specific crane signals for lifts, and methods for lifting, loading and traveling. Correct maintenance practice will be included.

The person training will undergo an examination to test their understanding of emergency response procedures for various conditions, specially 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 procedures, and to explain why near misses are reported and recorded to the appropriate individual. Log book records must be maintained.

Trainees will develop knowledge of rigging, in particular, establishing who has responsibility and authority for rigging, identifying various types of rigging, knowing load capacity ratings and storage procedures.

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

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