Vancouver Crane Certification

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

Pre-operational requirements include assigning authority for the pre-operational check; carrying out 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; checking cables, hooks, chains crane movement and safety latches; ensuring the proper functioning of operational controls; and learning how to make certain that the crane's disconnect switch/isolator is properly functioning.

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

It is vital for trainees to be able to identify an over-capacity lift, select correct rigging machine, be aware of load restrictions, and determine a safe location from which to operate. Trainees will review both universal and site-specific crane signals for lifts, and methods for lifting, loading and traveling. Correct maintenance practice will likewise be included.

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

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

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, based on the federal, state and provincial codes requirements.

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