Cambridge Crane Certification

Cambridge Crane Certification - The Crane Certification training program includes subject matter recommended by industry regarding the safe and efficient operation of cranes. People training would learn 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 particular to the work site where the individuals training will be operating.

Pre-operational requirements consist of 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; checking hooks, chains, cables, crane movement and safety latches; ensuring the proper functioning of operational controls; and learning how to ensure the crane's disconnect switch/isolator is functioning right.

Operational requirements comprise identifying roles and responsibilities, and determining the requirement for a formal lift plan. People training will know how to carry out a hazard assessment related to environmental circumstances, physical situations and staff. Subject matter includes determining when to seek competent support, the safest route and destination of loads, and load weight and centre of gravity.

Trainees must be able to identify an over-capacity lift, in addition to be able to select correct rigging machine, select load restrictions, and to determine the safe spot for the crane to work from. Trainees would review both universal and site-specific crane signals for lifts, and techniques for loading, traveling and lifting. Proper maintenance practice will likewise be covered.

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

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

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

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