

PURPOSE/APPLICATION

To outline safety policy regarding the use and maintenance of hoists, rigging, and lifting devices for materials handling.

PPE

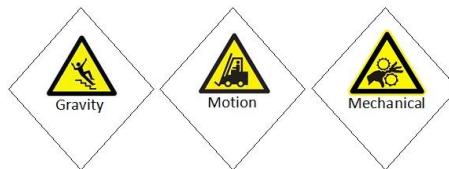
- CPES minimum requirements
- Reflective vest or gauntlet for (spotters)
- Hearing protection

TRAINING

- Crane, Hoisting, Rigging, and Boom Training as required.
- Strike New Worker Orientation

HAZARDS & CONCERNs

- Personal injury
- Falling load
- Property damage
- Contact with overhead power lines or other facilities
- Equipment damage
- Traffic
- Equipment failure
- Overhead work



PRECAUTIONS

- Lifting devices are only to be operated by a worker authorized by CPES.
- Review SWP-41 Critical Hoisting to determine if the load meets the criteria.
- Operator certification requirements vary by province and the capacity of the equipment. Ensure that operators have the required certification(s) before initiating work.
- An operator must be able to demonstrate competency in the equipment's operation, load charts, and the signals for hoisting operations. Utilize the relevant CPES competency checklist(s) (CF-S-30) to document the operator's competency.
- Before starting work, verify that the Anti Two Block is functioning correctly. Perform a visual and functional inspection of the system to ensure it is working correctly.
- All lifting devices must legibly show the following:
 1. Manufacturer's rated load capacity,
 2. Serial number,
 3. Manufacturer's name,
 4. Year of manufacture or shipment date,
 5. Model number.
- All cranes/hoists and lifting devices will be inspected as per the manufacturer's specifications and be readily available for review.
- Cranes, must have a logbook. The logbooks may be paper or electronic, but must include the following:
 1. the date and time when any work was performed on the lifting device;
 2. length of time in lifting service;
 - i. recorded as hours of service if the lifting device is equipped by the manufacturer with an hour-meter, or
 - ii. if required by the manufacturer's specifications;
 3. all defects or deficiencies and when they were detected;
 4. inspections, including examinations, checks, and tests, that are performed, including those specified in the manufacturer's specifications;
 5. repairs or modifications performed;
 6. a record of a certification;

7. any matter or incident that may affect the safe operation of the lifting device;
8. any other operational information specifically identified by the employer.

****Note: The completion of the daily equipment inspection checklist does not replace the need to fill out your logbook in full.****

THE DO's

- DO** Avoid standing or passing under a suspended load.
- DO** Inspect all lifting components and rigging before starting work.
- DO** Make sure you are familiar with all recent entries in the crane's log book.
- DO** Ensure all loose materials, parts, blocking, etc., have been removed from the load before lifting.
- DO** Make sure that the lifting device sits in the saddle of the hook.
- DO** Move crane controls smoothly. Avoid abrupt, jerky movements of the load.
- DO** Ensure that nothing obstructs the movement of a load.
- DO** Keep the load under control when lowering a load. If the braking system fails, the load can usually be lowered by reversing the hoist controller.
- DO** Keep loads positioned as close to the ground or grade as possible before unloading.
- DO** Raise all hooks above head height when not in use.
- DO** Verify the weight of the load, and ensure it is within the lifting capacity of the equipment.
- DO** Use tag line(s) when lifting loads.
- DO** Follow the requirements in SWP 54 Rigging.
- DO** Use Outrigger/Pads as required.
- DO** Verify ground conditions are suitable to support the equipment and the load prior to lifting.
- DO** Flag areas where access points where people could inadvertently enter the area (i.e., access doors).

THE DONT's

- DON'T** Move a load with a lifting device until it is assured that the working conditions are safe.
- DON'T** Operate a crane if limit switches are out of order, or if cables show defects.
- DON'T** Allow anyone to ride on a load or hooks.
- DON'T** Attempt lifts beyond the rated load capacity of a crane or slings.
- DON'T** Lift a load if the crane is side-loaded. Center the crane directly over the load before hoisting to avoid swinging the load.
- DON'T** Leave suspended loads unattended.
- DON'T** Pass a load over the head of workers.

REFERENCES / ADDITIONAL INFORMATION

- SJP 23 Forked Lifting Equipment
- SWP 41 Critical Hoisting
- SWP 44 Mechanical Mobile Equipment Operations
- SWP 54 Rigging
- CF-S-18 A-H Equipment Pre-Start Checklist
- CF-S-30 A-R Equipment Competency Checklist
- CF-S-42 Lift Plan

REGULATIONS

Alberta OHS Code

Part 6 - Cranes, Hoists & Lifting Devices

British Columbia

OHS Regulation Part 14: Cranes and Hoists

Saskatchewan OHS Regulations

PART 13 Hoists, Cranes and Lifting Devices

Manitoba Workplace Safety and Health Act and Regulation

Part 23 Cranes and Hoists

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