STOP if not clear how to do the work Equipment Lifting | Critical Checklist



| When to use | | | Importa | ant: Attach to | completed JSA | |
|---|--|-------------------|-------------------------|--|-------------------|--|
| For lifting / hoisting of heavy equipment / ma Using lifting devices: mobile crane, truck Using straps or chains to lift with excavate | mounted crane | | | | | |
| Only 1 checklist is required per day for repe | at lifts of simila | r loads | | | | |
| Site location: Date: | | | Date: | | | |
| Lifting contractor: | | | License expiry: | | | |
| Description of work: | | | | | | |
| Load weight (max load weight and radius for group of lifts: | | | | Crane's rated capacity at lift radius: | | |
| Name of critical lift plan approver: | | Forecas | asted local wind speed: | | | |
| What could go wrong? 72 hours BEFORE work begins Determin | e if this is a Cri | tical Lif | t | | | |
| Use the Critical Lifting Critical Checklist if an | ny of the followin | g apply: | (| Voltage | Minimum Clearance | |
| □ Safety factor less than 25% (exceeds 75% | of crane/excava | tor capad | city) | (v) | (m) | |
| Safety factor less than 50% when lifting over critical lines/equipment | | | | 750-150k | 4.0 | |
| Swing arc of boom does not meet minimum clearance for high voltage | | | | 150k-250k | 5.0 | |
| lines or conductors (refer to chart) | | | | >250k-500k | 6.0 | |
| Lift weight is greater than 5 tonnes (5,000 kg) | | | | >500k | 7.0 | |
| Lift requires an engineering study with specifications & drawings per local regulations | | | r | To establish OH&S safe limits of approach to power lines, employers must consult the owner of the electrical utility system prior to any work within 7 m of an overhead power line. | | |
| Lift requires two cranes | | | | | | |
| If any of the above apply, create a Critical Lift Done Description view drawing Description between the second | m tonnes ions, or power lin ng limits, nearby : | ies) structure | m | | Lift Radius | |
| Abort plan for emergency situations to brin in a safe manner | g the load back o | down to t | he groun | d | | |

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BEFORE work begins | Complete all steps on page 2

| BEFORE work begins | Complete all steps |
|--------------------|--------------------|
|--------------------|--------------------|

Done 🗹

- 1. Operator is trained, competent, with valid license, in safe operation of crane or lifting device
- 2. Confirm adequate space for lift layout and swing radius, considering the load, crane capacity/ configuration and any hazards
- 3. Crane(s) located at correct position, work area is free from overhead and sideways obstructions
- 4. Exclusion zones are established and clearly marked, lift area and swing radius established and barricaded, traffic controls are in place
- 5. Lift equipment is supported on a firm, stable base or foundation, outriggers fully extended and blocked, and positioned an appropriate distance from open excavation or potential underground hazard (sewers, utilities)
- 6. Lift equipment / apparatus (slings/ straps/ hooks/ jibs etc.) / all riggings appropriate for the lift, in good condition, meet manufacturer's specifications, with valid certification(s) and do not exceed rated capacity
- 7. Equipment or material to be lifted is stable, wrapped and tied; lifting apparatus is securely fixed and balanced, pallets used are fit for purpose
- 8. Review minimum required clearance between live electrical lines and any part of the crane, load, or load line. If voltage of electrical lines cannot be confirmed, swing radius of boom is >6 meters from high voltage lines or conductors
- 9. Equipment operators have a clear view of the work area
- 10. Dedicated signaller(s)/ spotter(s) are used and communication method with each signaller/ spotter is defined and understood
- 11. Use of proper tag line(s) / guiding rope(s) for suspended loads, taking local wind speed measurements into consideration
- 12. Good access and egress in case of emergency, abort lift plan available plan for emergency situations to bring the load back down to the ground in a safe manner
- 13. All persons including those receiving the load and inside buildings to keep a safe distance from lifting activity (no persons under suspended load)
- 14. JSA reviewed and LMRA completed immediately prior to lift

| Name of equipment operator: | Signature: | Date: |
|--------------------------------|------------|-------|
| Name of spotter: | Signature: | Date: |

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