

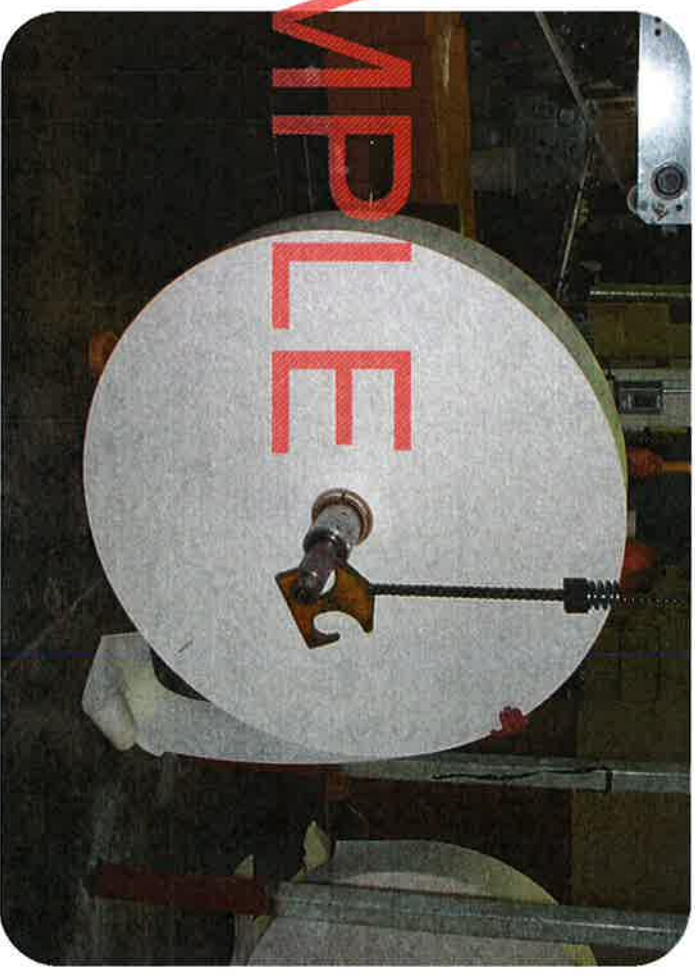


Material Handling and Storage, Including Cranes, Derricks, and Rigging

WAC 296-24

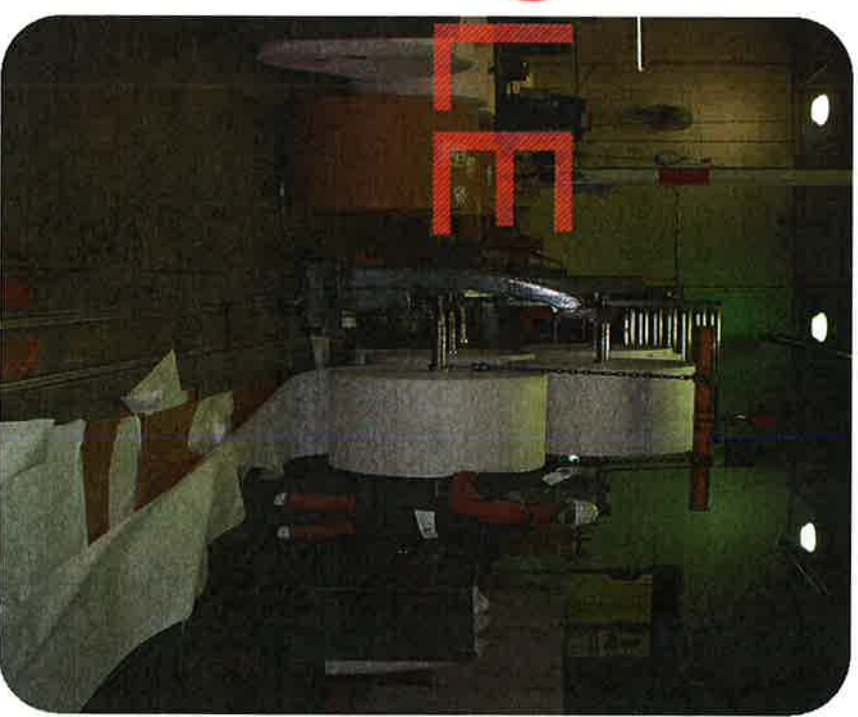
Cranes / Hoists Are Everywhere

- Cranes, derricks, and jib hoists are used in almost every industrial setting
- Cranes can be found on most construction sites



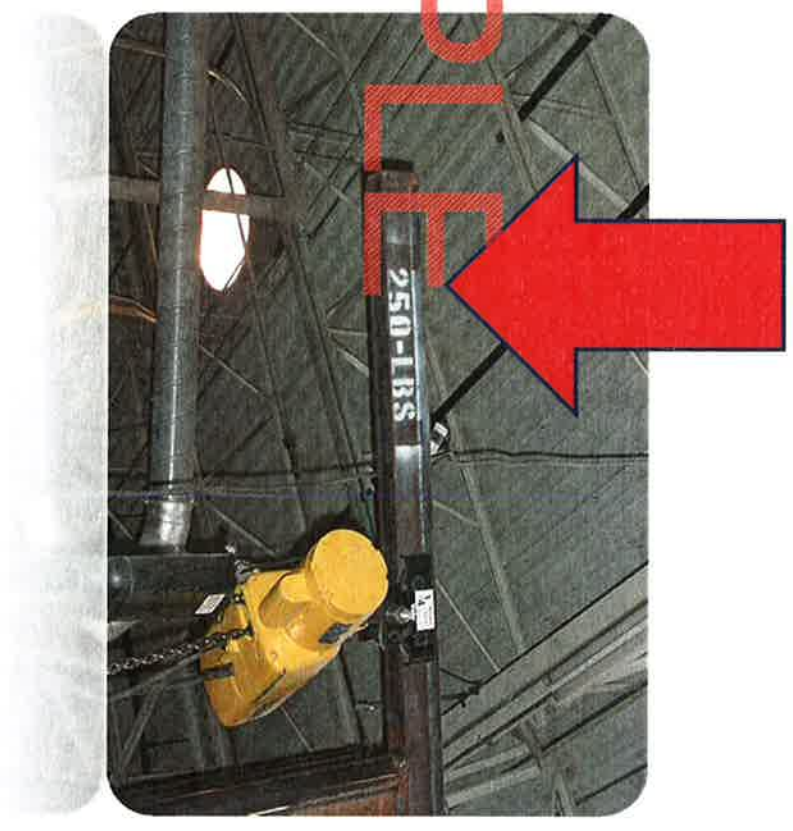
Crane / Hoist Hazards

- Cranes / Hoists, sling, or hook could fail if overloaded
- Load could flip, turn, or release suddenly if not attached correctly
- People or objects could be struck by the load



Crane / Hoist Capacity

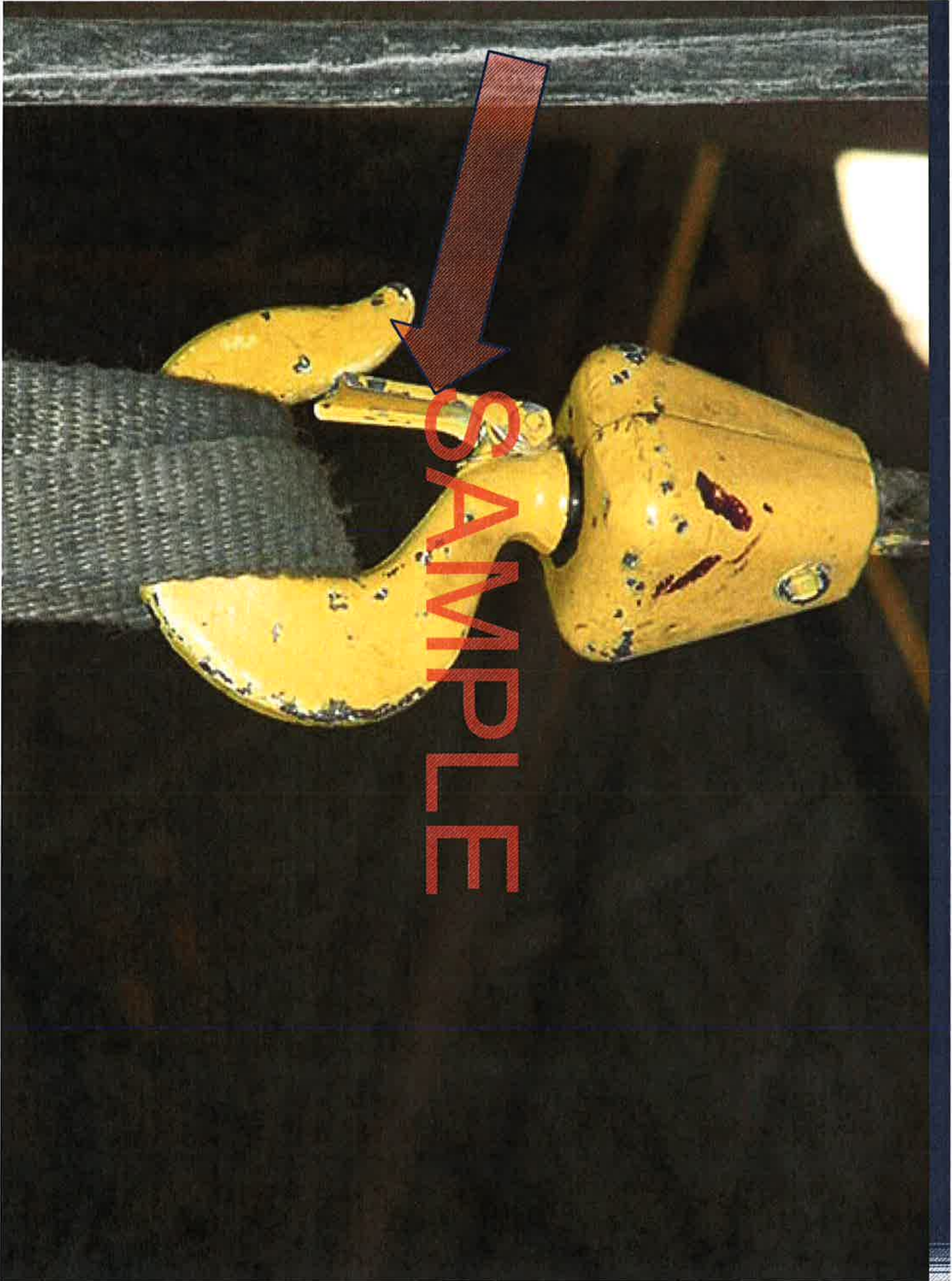
- Rated capacity clearly marked on each side of the crane / hoist
- If more than one hoisting unit, each hoist must be marked with rated capacity
- Markings clearly legible from the ground



Crane / Hoist Inspections

- Daily inspections include:
 - Operating mechanisms to ensure proper working order
 - Air or hydraulic systems for leaks
 - Hoist chains/ropes for wear, twisting, distortion
- Periodic inspections:
 - Deformed, cracked, or corroded components
 - Loose bolts or rivets
 - Wear on brakes, chain drive sprocket

SAMPLE



Basics of Hook Inspections

- Wear
- Deformation
- Cracks
- Sharp Nicks

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