

Appendix A:

Pre-Use Crane, Hoist and Sling Inspection Guidelines

Item	Yes	No	N/A
<i>Cranes and Hoists</i>			
Load rating marked on each side of the crane.			
Load rating of the hoist marked on the hoist or its load block and legible from the ground? (If the crane has more than one hoisting unit, each hoist shall have its rated load marked on it or its loading block and this marking shall be clearly legible from the ground.)			
At least 3 inches of overhead clearance and 2 inches laterally between crane and obstructions.			
All controller functions labeled and legible.			
All operational controls and functional operating mechanisms working properly, properly adjusted and no unusual sounds.			
Upper limit switch operating properly. It shall be tested with no load on the hook. Extreme care shall be exercised; the block shall be "inched" into the limit device or run in at slow speed.			
Excessive wear of components on any functional operating mechanisms.			
Deterioration or leakage in lines, tanks, valves, drain pumps, and other parts of the air or hydraulic system.			
Excessive dirt, grease, or foreign matter.			
Deformation and/or cracking of the hook, load block, drums and/or sheaves.			
Safety latch on crane/hoist load block that automatically closes.			
<i>Chain Slings:</i>			
Nicks, cracks, breaks, stretches, distortions, twists, gouges, bends, heat damage, discoloration, worn or damaged links and components,			
Lack of ability of the chain or components to hinge (articulate) freely,			
Pitting, corrosion or weld splatter,			
Missing or illegible sling identifications,			
Other conditions that cause doubt as to the continued safe use of the sling.			

Item	Yes	No	N/A
Wire Rope Slings:			
Broken wires,			
Pitting or corrosion,			
Localized wear (shiny worn spots), abrasion or scrapes,			
Damage or displacement of end fittings, hooks, rings, links, or collars,			
Distortions, kinks, bird caging, crushing, or other evidence of damage to wire rope structure,			
Missing or illegible sling identifications,			
Other conditions that cause doubt as to the continued safe use of the sling.			
Synthetic Fiber Rope / Synthetic Webbing Slings:			
Melting, charring or burning of any part of the surface,			
Snags, punctures, tears, cuts, fraying, broken or worn stitches,			
Change in diameter,			
Discoloration,			
Hard or stiff areas,			
Wear or elongation exceeding the amount recommended by the manufacturer,			
Distortion of fittings,			
Missing or illegible sling identifications,			
Other conditions that cause doubt as to the continued safe use of the sling.			
Metal Mesh Slings:			
Broken weld or brazed joints,			
Broken wire in any part of the mesh,			
Abrasion, corrosion, distortion, pitting, twisting, bending, cracking, gouging of any component,			
Lack of flexibility,			
Missing or illegible sling identifications,			
Other conditions that cause doubt as to the continued safe use of the sling.			