

U.S. Army Corps of Engineers Safety Inspection Checklist Rigging

Date of Inspection

Location (Plant or Facility)	Contract Number
Contractor Name	Project Name
Inspector Name (Print)	Inspector Signature

This checklist serves as a guide only, it does not replace or eliminate the need to comply with the requirements set forth in Engineering Manual 385-1-1, Safety and Health Requirements Manual, dated 15 September 2008. The references included in this checklist correspond to the applicable sections of EM 385-1-1.

Item Description	REF	Yes	No	N/A	Remarks (Any NO or N/A item)
1. Has all defective rigging been removed?	15.A.01				
2. Are running lines within 6 feet 6 inches (6'-6") of the ground or working level guarded?	15.A.03				
3. Are positive latching devices used to secure loads?	15.A.05				
4. Are defective wire ropes cut up or marked as unusable?	15.D.02				
5. Are rope clips that are attached with U-bolts have the U-bolts on the dead end or short end of the wire rope?	15.D.03				
6. Are protruding ends of strands in splices on slings and bridles covered or blunted?	15.D.05				
7. Except for eye splices and all endless wire rope slings; are all wire ropes used in hoisting, lowering, or pulling loads one continuous piece, free of knots or splices? :	15.D.07				
8. Do all eye splices have at least 5 full tucks?	15.D.08				
9. Are wire ropes free of eyes or splices formed by wire rope clips or knots?	15.D.08				
10. Are all chains alloyed?	15.E.01				
11. Do all coupling links or other attachments have rated capacities at least equal to that of the chain ?	15.E.03				
12. Are makeshift fasteners restricted from use?	15.E.04				
13. Are all fiber ropes protected from freezing, excessive heat or corrosive materials?	15.F.02				
14. Are all ropes protected from abrasion?	15.F.03				

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Item Description	REF	Yes	No	N/A	Remarks (Any NO or N/A item)
15. Are fiber rope splices made in accordance with manufacturer's recommendations?	15.F.04				
16. Do all eye splices in manila rope contain at least 3 full tucks and do all short splices contain at least 6 full tucks (3 on each side of the center line of the splice)?	15.F.05				
17. Do all splices in layed synthetic fiber rope contain at least 4 full tucks and do short splices contain at least 8 full tucks (4 on each side of the center line of the splice)?	15.F.05				
18. Is protection provided between slings and sharp surfaces?	15.G.02				
19. Does each wire rope sling have affixed a durable permanent identification tag stating required information?	15.G.06				
20. Is each synthetic web sling, metal mesh sling, synthetic web sling or round sling marked or coded to identify required information?	15.G.07				
21. Are drums, sheaves, and pulley smooth and free of surface defects?	15.H.01				
22. Is the ratio of the diameter of the rigging and the drum, block sheave or pulley thread such that the rigging will adjust without excessive wear, deformation, or damage?	15.H.02				
23. Have all damaged drums, sheaves and pulleys been removed from service?	15.H.04				
24. Are all connections, fittings, fastenings, attachments of good quality, proper size and strength, and installed in accordance with manufacturer's recommendations?	15.H.05				
25. Do all drums have sufficient rope capacity?	15.H.08				
26. Is the drum end of the rope anchored by a clamp securely attached to the drum in a manner approved by the manufacturer?	15.H.08				
27. Do grooved drums have the correct groove pitch for the diameter of the rope and is the groove depth correct?	15.H.08				
28. Are there at least 3 full wraps (not layers) of rope remaining on the drum at all times?	15.H.08				
29. Are the sheaves compatible with the size of rope used as specified by the manufacturer?	15.H.09				
30. Are sheaves properly aligned, lubricated, and in good condition	15.H.09				

Other Remarks