

RIGGING QUARTERLY INSPECTION CHECKLIST (APPENDIX 14B)



Job Number/Contract # and title:			
Equipment name & number: Owned or leased?			
Contractor		Subcontractor:	
Contractor inspector:		Date inspected:	
	Yes	No	N/A
2. Has all defective rigging been removed?			
3. Is rigging stored properly?			
4. Are running lines within 6.5' of the ground or working level guarded by a physical barriers?			
5. Are all eye splices made in an approved manner with rope thimbles? (Sling eyes excepted)			
6. Are positive latching devices used to secure loads?			
7. Are all custom lifting accessories marked to indicate their safe working loads?			
8. Are all custom designed lifting accessories proof-tested to 125% of their rated load?			
9. Are the following conditions met for wire rope:)			
a. Are they free of rust or broken wires?			
b. Are defective ropes cut up or marked as unusable?			
c. Do rope clips attached with U-bolts have the U-bolts on the dead end or short end of the rope?			
d. Are protruding ends of strands in splices on slings and bridles covered or blunted?			
e. Except for eye splices in the end of wires and for all endless wire rope slings, are all wire ropes used in hoisting, lowering, or pulling loads one continuous piece, free of knots or splices?			
f. Do all eye splices have at least 5 full tucks?			
g. If used, are wedge sockets fastening attached without attached the dead end of the wire rope to the live rope?			
h. Are they free of eyes or splices formed by wire rope clips or knots?			
9. Are the following conditions met for chain?			
a. Are chains inspected prior to use and weekly thereafter?			
b. Do all coupling links or other attachments have rated capacities at least equal to that of the chain.			
c. Are makeshift fasteners restricted from use?			
10. Are the following conditions met for fiber rope:			
a. Are all ropes protected from freezing, excessive heat or corrosive materials?			
b. Are all ropes protected from abrasion?			
c. Are splices made IAW manufacture's recommendations?			
d. 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 centerline of the splice)?			
e. 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 centerline of the splice)?			
f. Do the tails of fiber rope splices extend at least 6 rope diameters (for rope 1" diameter or greater) past the last full tuck?			
g. Are all eye splices large enough to provide an included angle of not greater than 60* at the splice when the eye is placed over the load or support?			

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11. Are the following conditions met for all slings: a. Is protection provided between the sling and sharp surfaces? b. Do all rope slings have minimum clear length of 40 times the diameter of component ropes between each end fitting or eye splice? c. Do all braided slings have a minimum clear length of 40 times the diameter of component ropes between each end fitting or eye splice? d. Do all welded alloy steel chain slings have affixed permanent identification stating diameter, rated load, lift capacity in vertical, choker, basket configuration, and date placed in service? e. Is each synthetic web sling marked or coded to identify its manufacturer, rated capacities for each type hitch and the type material?			
12. Are drums, sheaves, and pulley smooth and free of surface defects that may damage rigging? (15.F.01)			
13. Is the ratio of the diameter of the rigging and the drum, block sheave or pulley thread diameter such that the rigging will adjust without excessive wear, deformation, or damage? (15F.02)			
14. Have all damaged drums, sheaves and pulleys been removed from service?			
15. Are all connections, fittings, fastenings, and attachments of good quality, proper size and strength, and installed IAW manufacturer's recommendations?			
16. Are all shackles and hooks sized properly?			
17. Are hoisting hooks rated at 10 tons or greater provided with safe handling means? (15.F.07)			
18. Do all drums have sufficient rope capacity?			
19. Is the drum end of the rope anchored by a clamp securely attached to the drum in a manner approved by the manufacturer?			
20. Do grooved drums have the correct groove pitch for the diameter of the rope and is the groove depth correct?			
21. Do the flanges on grooved drums project beyond the last layer of rope at a distance of either 2" or twice the diameter of the rope, whichever is greater?			
22. Do the flanges on un-grooved drums project beyond the last layer of rope a distance of either 2.5" or twice the diameter of the rope, which ever is greater.			
23. Are the sheaves compatible with the size of rope used and as specified by the manufacture?			
24. Are sheaves properly aligned, lubricated, and in good condition?			
25. When rope is subject to riding or jumping off a sheave, are sheaves equipped with cable keepers?			
26. Are eyebolts loaded in the plane of the eye and at angles less than 45* to the horizontal?			