

LOGO	CHECKLIST FOR INSPECTION & TESTING OF TOWER CRANE			Ref.	
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Factory No:		
Occupier:		
Location:		
Name of Approved Crane Contractor:		
Name of Approved Erector:		

LM No.	Serial No.	Brand/Model	Year Manufactured

Pre-Installation Checks			Date:			Time:	
SR.	Items	Yes	No	N/A	Remarks		
1.	The tower crane was of the type submitted to the Occupational Safety and Health Division. (OSHD).	☐	☐	☐			
2.	All bolts/pins or connecting fasteners used are following the manufacturer's design and are readily identifiable.	☐	☐	☐			
3.	All mast sections have identification markings.	☐	☐	☐			
4.	a) All mast sections are free from defects and corrosion that may affect their structural integrity.	☐	☐	☐			
5.	Random samples of all bolts/pins or connecting fasteners used are non-destructively tested for any defects. *	☐	☐	☐			
	Number of bolts/pins used (excluded those used at the bottom 3 mast sections)						Sample size required
	9 to 15						5
	26 to 40						10
	41 to 65						15
	66 to 110						20
	111 to 180						25
	181 to 300						30
6.	A) Random samples of all slew ringbolts used are tested for any defects. These bolts should be taken from positions on the slew ring that are mutually 90 degrees apart and identified in some manner that is indicative of their original position. * B) Non-destructive test is conducted on the welding of the slew ring attachment to the slew ring mount. The machine deck is free from any corrosion or defect that may affect its structural integrity.	☐	☐	☐			
7.	The operator's cabin is free from any defects that may affect its serviceable use.	☐	☐	☐			
8.	A safety bar is fitted across the operator's cabin window where there is the likelihood of the operator falling through it.	☐	☐	☐			

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9.	An approved fire extinguisher is provided in the operator cabin.	☐	☐	☐	
10.	An emergency stop button, which will terminate the operation of the crane engine, is installed in the operator cabin and correctly identified.	☐	☐	☐	
11.	All controls are checked for correct identification.	☐	☐	☐	
12.	The hydraulic system is free from any oil leaks.	☐	☐	☐	
13.	All the brake and clutch mechanisms have been stripped and serviced.	☐	☐	☐	
14.	An emergency load lowering device is fitted.	☐	☐	☐	
15.	All rope anchorages are serviced.	☐	☐	☐	
16.	All counter-weight attachments, trolley, trolley wheels etc., are serviced and free from defects.	☐	☐	☐	
17.	The cat-head including the tie-rods are free from any defects that may affect its serviceable use.	☐	☐	☐	
18.	All jib sections are free from defects and corrosion that may affect their structural integrity.	☐	☐	☐	
19.	All main cords on each jib section are thickness tested to detect internal corrosion.	☐	☐	☐	
20.	All sheaves and bearings are free from any defects that may affect their serviceable use.	☐	☐	☐	
21.	The hook, hook block, overhauling weight and associated attachments are free from wear and damage.	☐	☐	☐	
22.	The climbing frame and equipment is free from any defects that may affect their serviceable use.	☐	☐	☐	
23.	The foundation has been designed; and certified by a Professional Engineer of the relevant discipline and constructed accordingly.	☐	☐	☐	
24.	The tower crane is sited as indicated in the layout plans endorsed by the Occupational Safety and Health Division.	☐	☐	☐	
25.	The installation is following the configuration and manufacturer's instructions.	☐	☐	☐	
26.	The bolts/pins or other connecting fasteners used for the bottom 3 mast sections are new ones.	☐	☐	☐	
27.	The tower crane is plumbed to check that it is vertical.	☐	☐	☐	
28.	All the pins/bolts or fasteners used for the assembly are fitted with safety pins or locking pins.	☐	☐	☐	
29.	Bolts are tightened to the correct torque.	☐	☐	☐	
30.	Tie rods to the boom and jibs are securely fastened.	☐	☐	☐	

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31.	Tie-backs are fastened as designed.	☐	☐	☐	
32.	Fixed access ladders are provided for access to all serviceable parts of the tower crane.	☐	☐	☐	
33.	The tower crane is load tested at both its maximum and minimum working radii with sufficient load.	☐	☐	☐	
34.	Limit switches are tested: a) over hoist limit switch b) overload limit switch c) trolley limit switch d) slewing limit device	☐	☐	☐	
35.	A load-radius indicator with a warning signal is installed and in good working condition.	☐	☐	☐	
36.	All safety devices and brakes are checked.	☐	☐	☐	
37.	The wind anemometer is installed and in good working condition.	☐	☐	☐	
38.	Anti-collision devices are tested to stop the tower crane's operation such that the crane-to-crane interference must be maintained at not less than 3 meters.	☐	☐	☐	

Other/Additional Remarks					

	Name	Job Title	Signatures	Date
Inspected by:				
Reviewed by:				

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