

## SAMPLE CHECKLIST FOR MOBILE CRANE

This checklist provides the basic requirements for safe operations of a mobile crane. Mobile crane users should consult manufacturers, suppliers and owners on operations and safety requirements and address any concerns before using the equipment. This checklist is non-exhaustive and users are recommended to make the necessary customisation to suit your work processes and conditions at the workplace.

S/N	Items		Remarks
<b>A. Mobile Crane Approved For Use</b>			
1	Mobile Crane is approved by MOM.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Mobile Crane has a valid Lifting Machine (LM) certificate (issued less than 12 months ago).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>B. General Requirements</b>			
3	Mobile Crane is provided with markings of the Safe Working Load and LM number.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Safe access and egress are provided to the crane operator.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	A load capacity chart is displayed in the operator cabin.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Operator crane cabin is provided with a locking mechanism so as to prevent unauthorised entry.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Fire extinguisher is fit for use and provided in the operator cabin.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	An updated Operation and Maintenance log book is available in the operator cabin.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9	Manufacturer Operating Manual and Maintenance Manual are made available.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>C. Other Visual Checks</b>			
10	Load charts and other symbols are available and visible.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	Hydraulic fluid level is sufficient.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	Slewing oil level is sufficient.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13	All mounting bolts are in good condition.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	Hydraulic system is free of leaks.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15	Boom sections are free of cracks or dents.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16	Main and auxiliary wire ropes are well lubricated and that there are no visible defects such as broken wires, kinks, excess wear, crushing etc.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

17	Winches, pulleys and wire ropes are in good working condition.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
18	Crane hook is provided with a safety catch to prevent displacement of the sling or load from the hook.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>D. Safety and Operational Devices</b>			
19	A load radius indicator with warning alarm is installed.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20	An effective hoist and derricking braking mechanism are maintained.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
21	A swing lock or swing brake capable of preventing unintended rotation is functional.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
22	Limit switch to prevent over-hoisting of the hook (i.e. anti-two block device) is functional.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
23	Limit switch to prevent over-derricking of boom is functional.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
24	Load Moment Limiter to prevent over-turning moment is functional.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>E. Maintenance</b>			
25	Data logger for recording key operating parameters of the crane is functional.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
26	Mobile Crane has a regular maintenance programme that is in accordance with manufacturer's specifications.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
27	Maintenance work on the Mobile Crane is carried out by Competent Persons.	<input type="checkbox"/> Yes <input type="checkbox"/> No	