

SAMPLE CHECKLIST FOR LORRY CRANE

This checklist provides the basic requirements for safe operations of a lorry crane. Lorry 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
A. Document and Procedure Checks			
1	Check the load chart for safe lifting parameters for e.g. the maximum allowable SWL corresponding to the boom length.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Check the validity of the certificates for the lorry crane and lifting gear used. (i.e. Lifting Machine and Lifting Gear certificates).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Check that the crane operating manual and operation log book are in the vehicle cabin. Familiarise with the operation and safety aspects of the specific lorry crane.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Check with Responsible Person on the details of the Lifting Plan and Safe Work Procedure established for the lifting operation.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
B. Physical checks on lorry crane			
5	Check the crane structure is in good condition and there are no physical damages.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Check load bearing components such as telescopic boom, boom accessories, hooks, and safety catch are in good working condition.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Check hoisting mechanism is in good working condition.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	Check engine and hydraulic system are in good working condition. Ensure that there are no hydraulic leaks and/ or damages.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9	Check fluids such as hydraulic oil, engine oil, cooling water, battery water and clutch oil are topped up according to manufacturer's recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	Check the condition of all wheels, tire pressure and the proper functioning of all brakes.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	The outriggers system is free from defects.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	No other physical damages or abnormal noise.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13	Check that lifting gears to be used are in good working condition.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

C. Functional Checks on Crane			
14	The following are in good working condition:	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(a) Limit switches	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(b) Boom stow limit switch	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(c) Angle sensor limit switch	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(d) Control levers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(e) Emergency stop switch	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(f) Remote control	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(g) All boom cylinders	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(h) Slewing function	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(i) Power Take-of	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(j) Stability control system (where applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	(k) Outrigger (including stabiliser leg)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
(l) Overload protection device (where applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No		
15	No other physical damages or abnormal noise	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Vehicle Registration Number:	
Lifting Machine Number:	
Inspected by: Crane Operator	Supervised by: Lifting Supervisor
Signature / Date	Signature / Date