



MAYSAR SERVICES

GST: 27BHHP55619E1Z4UAM: UDYAM-MH-33-0357039

Contact: +918097103395 Email: sales@maysarenterprises.com

MASTER CHECKLIST FOR LATTICE BOOM CRAWLER CRANES

Client		Make		Ref No:	
Location		Model		Date	
Inspector		Capacity			
Note		Hour Meter			
		Boom Length(m)			
		Jib- Fixed / Luffing (m)			
Sr.No.	Inspection Point	Acceptance Criteria	Status	Observation	Action
GENERAL					
1	Machine documents available	Valid			
2	Operator competency	Verified			
3	Load chart	Available			
4	Maintenance records	Updated			
5	Identification plates	Legible			
6	Counterweight secured	No movement			
7	Housekeeping	Good			
8	Paint/corrosion	No severe corrosion			
ENGINE					
9	Engine oil	Correct level			
10	Coolant	Correct			
11	Fuel leaks	Nil			
12	Oil leaks	Nil			
13	Belts	No cracks			
14	Radiator	Clean			
15	Battery	Healthy			
16	Emergency stop	Functional			
17	Alternator	Charging			
18	Starter	Normal			
UNDERCARRIAGE					
19	Track shoes	No cracks			
20	Pins & bushes	Acceptable wear			
21	Track rollers	Normal			
22	Carrier rollers	Normal			
23	Drive sprockets	No excessive wear			
24	Idlers	Normal			
25	Track tension	Within OEM			
26	Travel motors	No leakage			
27	Travel gearbox	Oil OK			
28	Track frame	No crack			
HYDRAULIC					
29	Hydraulic oil	Correct level			
30	Pump noise	Normal			
31	Pressure	Within OEM			
32	Control valves	Smooth			
33	Hoses	No cuts			



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34	Pipes	No leakage			
35	Cylinders	No scoring			
36	Winch brake	Holding			
37	Swing brake	Holding			
38	Boom hoist	Normal			
BOOM STRUCTURE					
39	Boom chords	No bends			
40	Lacing	No damage			
41	Welds	No cracks			
42	Boom pins	No wear			
43	Pin retainers	Present			
44	Pendant links	Good			
45	Pendant pins	Secured			
46	Boom stop	Functional			
47	Boom alignment	Within tolerance			
48	Boom foot	No crack			
ROPES & SHEAVES					
49	Main hoist rope	Discard criteria not exceeded			
50	Aux rope	Good			
51	Boom hoist rope	Good			
52	Lubrication	Adequate			
53	Dead end anchorage	Secure			
54	Sheaves	No excessive wear			
55	Hook block	Good			
56	Hook latch	Working			
57	Hook opening	Within limit			
58	Swivel	Free			
SWING					
59	Swing bearing	No abnormal play			
60	Gear teeth	Good			
61	Gear lubrication	Adequate			
62	Swing lock	Working			
CAB & ELECTRICAL					
63	Cabin	Clean			
64	Seat belt	Working			
65	Horn	Working			
66	Lights	Working			
67	Wipers	Working			
68	Display	Normal			
69	Joystick	Smooth			
70	Camera	Working			
SAFETY					
71	LMI/SLI	Functional			
72	Anti Two Block	Functional			
73	Boom angle indicator	Accurate			



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74	Anemometer	Working			
75	Limit switches	Working			
76	Fire extinguisher	Valid			
77	Reverse alarm	Working			
78	Travel alarm	Working			
79	Emergency lowering	Working			

FUNCTIONAL TEST

80	Hoisting	Smooth			
81	Lowering	Smooth			
82	Swing	Smooth			
83	Travel	Smooth			
84	Boom up/down	Smooth			
85	Brake holding	Pass			
86	Load test	Pass/NA			
87	Overall fitness	Fit/Not Fit			

INSPECTION SUMMARY

1	Critical Defects	
2	Major Defects	
3	Minor Defects	
4	Recommendations	
5	Overall Fitness(FIT / NOT FIT)	
6	Inspector Signature	
7	Client Representative	