

Mobile Crane Monthly Inspection Checklist/ Equipment Fitness Report

Make and Model

Boom and Jib Length

Components		Report of inspection	Remarks
Engine	Coolant: Radiator and Tank	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Oil level and condition	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Oil, coolant, Fuel Leakage	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Fan belt tension	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Air Cleaner	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Filter (Oil and Fuel)	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
Hydraulic System	Hydraulic Oil Level and Filter Indicator	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hydraulic Check Valves	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Pump working condition, abnormal conditions?	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Motor working condition	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hydraulic Pump, Motors and Cylinders oil leakage	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Control valve, rotating joint, piping oil leakage	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Return and line filters	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hydraulic pressure of control and actuators	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hydraulic Components Leaks and Damage	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
Brake	Swing Brake and Positive House Lock	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Operating condition of winches	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hoist Clutches and Brakes: Operation and Contamination	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
Electrical System	Signal and Running Lights	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Solenoid, pressure switch and limit switch	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Starter motor, alternator and belt condition	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Battery fluid level, cable & terminal	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Starter switch, temp sensor and gauges	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Instrument cluster condition	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
Lubrication	Bolts and nuts tightness	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Swing Gear, Carrier Rollers, Swivel Pin	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Mast Joint, Cylinders bearing	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
Overall Machine Condition	General Lubrication- Machine and Cables	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Swing Bearing or Hook Rollers	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Boom Hoist Cylinders	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Lines, Hoses, Fitting and Tanks	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Control Valves, Valve Bank and Lines	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Air Systems: Leaks and Moisture Drains	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Load Block: Condition and Lubrication	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hook Ball: Condition and Lubrication	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	All Hooks: Deformation, Cracks and Latches	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Boom, Jib, Luffer Cords and Lacings for Cracks or Damage	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Sheaves and Guards	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	

	Main Hoist Cable	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	Diameter:
			Construction:
			Condition:
			Reeving:
	Auxiliary Hoist Cable	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	Diameter:
			Construction:
			Condition:
			Reeving:
	Boom Hoist Cable	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	Diameter:
			Construction:
			Condition:
			Reeving:
	Pendant	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	Diameter:
			Construction:
			Condition:
	Wire Rope End Connections	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Housekeeping: Cab, Tools and Rigging Boxes	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Gauges, Alarms and Electrical Devices	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Cab glass and Wiper Condition	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Crawlers, Side Frames and Pads	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Tumblers, Idlers, Rollers and Drive Motors	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Tires: Condition, Inflation and Lug Nuts	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Brakes: Service, Parking and Emergency	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
Safety	Boom Hoist High Limit Switch	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Fitness of Lifting Gears & color code	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Load Charts	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Maintenance performed and documented up to date	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Fire Extinguisher (Check type and pressure)	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Motion Alarms: Propel and Swing Functional?	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Safety Devices	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Level Indicator	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Signal Horn	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Anti-Two Block Device	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Boom Angle/ Radius Indicator	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Luffing Jib Angle Indicator	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Load Indicator	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	Hoist Drum Rotation Indicator	<input type="checkbox"/> OK <input type="checkbox"/> Deficient	
	All the maintenance/ repair work has been completed and is documented up to-date <input type="checkbox"/> OK <input type="checkbox"/> Deficient		
I have also checked all crane control functions without any load and it is normal <input type="checkbox"/> OK <input type="checkbox"/> Deficient			
Other remarks			
Name and Signature of Crane Operator		Name and Signature Inspection In-Charge	Name and Signature of safety In-Charge
Inspection Date and Time:			

theautoengineer.com