



## MOBILE CRANE

**RA NO**

**DATE**

<b>H.T.I Score</b>	10	Medium-Regular monitoring, Supervision
<b>Contract</b>		
<b>Persons involved in RA</b>	<b>Name</b>	<b>Signatures</b>
Foreman		
Second Foreman		
Safety Officer		
Representative		

<b>Documentation Required</b>	<b>Training Required</b>	<b>PPE and Safety Equipment Required</b>
OHS Act and Construction Regulations	General induction – all employees	Overalls
Appointment 6(1)	Toolbox talks	Safety Footwear
Appointments Crane Operator	First Aider	Dust Masks
Appointment Lifting Equipment Supervisor	Crane Operator Certificate	Ear Protection
Competency Operator		Gloves
Competency First Aider		
Crane log		
Load test certificates		
Lifting Equipment Register		
Competency Rigger		

	<b>Activity Steps</b>	<b>Hazards and Risks</b>	<b>Preventative Measures</b>	<b>Rating</b>
1	Starting up of crane	Employee being injured by standing on, under or too close to truck	All protective guards and covers must be in place before starting the engine. The crane must be operated by a competent and trained operator.	8
		Operator being injured while mounting or dismounting the crane	Operator to mount or dismount the crane only at locations that has steps and handholds.	8
		Motor failure	Motor to be started according to procedure and maintenance schedule to be followed.	8
		Operator not ensuring crane hook is secured prior to set crane in motion.	Crane hook must be secured prior to operator setting crane in motion.	8

2	Operating of crane	Crane colliding into other plant or LDV	Crane to be operated by a competent and trained operator. Operator to keep to the designated area of work.	8
		Load being dropped onto employees	Crane to be operated by a competent and trained operator. Employees to keep clear of crane slew area. Ensure that the operator has seen you before approaching.	11
		Operator operating recklessly	Crane to be operated by a trained and competent operator, crane to be operated at a safe speed, task to be supervised by a competent supervisor.	11
		Crane working in the incorrect place	Task to be supervised by a competent supervisor.	5
		Crane operator exposed to noise	Operator to make use of ear protection and he must take frequent breaks.	5
		Operator exposed to dust	Dust to be controlled, wearing of dust mask	5
		Crane lifting a too heavy load	Crane to be operated by a trained and competent operator. Load chart on crane to be followed, onboard computer to be tested for the correct readings. Rigging of material to be done by a competent and trained rigger.	11
		Operator placing load in wrong area	Crane operator to be guided by a trained and competent banks man – only one person at a time to guide the crane operator, the crane must be operated by a trained and competent operator. The lifting operation must be supervised by a competent supervisor.	5
		Crane falling over during lifting operation	The crane must be operated by a trained and competent operator. Crane to stand on firm and level ground.	12

		Load swinging out of control	Load to be secured by means of guide ropes, no high lifts to be done in strong winds, crane to be operated by a trained and competent operator and the task must be supervised by a competent supervisor.	12
		Load falling on to an employee	Area of lifting operations to be barricaded with a barrier and warning signs posted. Watch men are to be posted to ensure that no body enters the area. All employees to undergo induction before entering the site. Task to be supervised by a competent supervisor.	11
3	Maintenance	Lifting tackle breaking	Rigging to be done by a trained and competent rigger, all lifting tackle to be inspected prior to lifting. This must be done by a competent person and all recordings must be on register.	11
		Employee injured while working on crane	Maintenance and repair work to be done by a competent person.	8
		Fire or explosion occurring	A functional fire extinguisher must be available inside the crane truck	12
4	General	Employee working on the jib may be injured	Jib should be lowered to ground level for employees to work on. No employee allowed to climb on the jib.	12
		Crane collapse during inclement weather may cause injuries, damage and loss of production	Crane operations should be stopped when wind speeds reaches 70km/h	12
		Crane not checked before operations start	Operator must do a pre-inspection checklist before the crane is started every morning.	12
		Crane not certified to use	The crane must be erected by competent persons and the crane must be load tested every 12 months and whenever maintenance has been done.	12
		Mechanical work not done by competent person	Installations must only be done by a qualified and competent person who can certify his work.	12