



ROLLERS AND COMPACTORS

RA NO

DATE

H.T.I Score	8	Medium-Regular monitoring, Supervision
Contract		
Persons involved in RA	Name	Signatures
Foreman		
Second Foreman		
Safety Officer		
Representative		

Documentation Required	Training Required	PPE and Safety Equipment Required
OHS Act and Construction Regulations	General induction - all employees	Ear protection
Appointment 6(1)	Environmental induction	Safety Footwear
Appointments Plant/ Vehicle Operators	Toolbox talks	Fire Extinguisher fitted to Roller
Appointment First Aider	First Aider	Overalls
Competency Operator	Operating Roller	Dust Mask
Competency First Aider		
Plant/ Vehicle registers		

Activity Steps		Hazards and Risks	Preventative Measures	Rating
1	Starting up of roller	Employee being injured by standing on, under or to close to the engine or tamping drum.	All protective guards and cover must be in place before start of the engine. The roller must be operated by a competent and trained operator.	9
		Operator being injured while mounting or dismounting the roller.	Operator to mount and dismount the roller only at locations that have steps and handholds.	5
		Engine failure	Engine to be started according to procedure and maintenance schedule to be followed.	5
2	Operating roller.	Roller colliding into other plant or LDV	Roller to be operated by a competent and trained operator. Operator to keep to the designated area of work.	9

		Employee being run over by roller.	Roller to be operated by a competent and trained operator. Employees to keep clear of the roller during operations. Ensure that the operator has seen you before approaching. Roller to be fitted with a reverse hooter.	13
		Roller overturning.	Roller to be operated by a trained and competent operator, roller to be operated at a safe angle, task to be supervised by a competent supervisor.	9
		Roller working in incorrect place.	Task to be supervised by a competent supervisor.	5
		Roller operator exposed to noise	Operator to make use of ear protection and take frequent brakes.	10
		Operator exposed to dust.	Dust to be controlled.	13
		Roller driving into trench.	Roller to be operated by a competent and trained operator. Task to be supervised by a competent supervisor.	9
3	Maintenance	Hydraulic pipe bursting during operation.	Burst pipe to be replaced by workshop and maintenance schedule to be followed.	13
		Employee being injured while working on Roller.	Maintenance and repair work to be done by a competent person.	13
		Hydraulic oil being injected into employee while working on Roller.	Make use of a board or cardboard when checking for leaks in the hydraulic pipes.	9
		Hydraulic oil leaking.	Leaks to be reported to the foreman and to be repaired by the workshop.	5
		Employee injured while changing the wheels on the Roller.	Changing of the wheels to be performed by a competent person and the task to be supervised by a competent supervisor.	5
		Oil and filters disposal.	Make use of local waste collectors to collect the used oil and filters.	9
		Employee sustaining burns while working on the roller engine.	Allow the engine to cool down before maintenance work is carried out.	3

		Employee caught by rotating part of engine.	Maintenance to be done by a competent person. No work to be done on the roller while the engine is still running.	9
		Employee coming in contact with battery acid.	Do not allow electrolyte to come in contact with the skin or eyes. Make use of the correct P.P.E when working with batteries.	9
		Fire or explosion occurring.	Remove all flammable materials such as fuel, oil and debris from the engine. Do not weld or flame cut any pipe or tank that contains any flammable fluids. Wiring must be kept in good order and no smoking or naked flames during refuelling.	9
4	General	Theft of batteries and fuel from the Roller.	Security company to be employed and plant to be parked in a secure area.	6
		Theft of roller.	As per 4.1.	6