

OPENSORE

Risk Assessment

Rigid Body Truck



Hazards Requiring Attention:

0

AS AT

Sunday, 1 February 2026

Next Review

Monday, 1 February 2027

Total Hazards Recorded

26

Critical Risk Hazards

0

High Risk Hazards

0

Moderate Risk Hazards

22

Low Risk Hazards

4

Risk Matrix - Refer Procedure Risk Management

Probability	Low	Minor	Moderate	Major	Critical
Negligible	L2	L3	L4	M5	M6
Unlikely	L3	L4	M5	M6	H7
Possible	L4	M5	M6	H7	H8
Likely	M5	M6	H7	H8	E9
Almost Certain	M6	H7	H8	E9	E10

Rigid Body Truck

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Operation	Incorrect Operation	5	4	E9	1 - Mandatory Heavy Vehicle licence.	1	4	M5
Operation	Road Worthiness	5	4	E9	2 - Maintain appropriate RMS registration	1	4	M5
Operation	Road Worthiness	5	4	E9	1 - Regular service as per manufacturers recommendations. 2 - Pre-start checklists.	1	4	M5
Operation	Entanglement With Moving Parts	4	4	H8	1 - Guards to be in place at all times. 2 - Machine to be shut down during maintenance and no unauthorised persons in area. 3 - PPE and 1st aid kit. 4 - Offsider to be at least 25 metres away from machine whilst in operation. 5 - All machine operators appropriately licenced.	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Operation	Entrapment	4	4	H8	Labelling and identification of all pinch points and no go area on machinery. Follow standard operational machine practices. Guards to be in place at all times where able. Plant operator to have visual on ground crew at all times. JSEA prior to work commencement. Machine to be shut down during maintenance and no unauthorised persons in area. PPE and 1st aid kit.	1	4	M5
Operation	Crushing – loading and unloading	4	5	E9	Drivers And loading staff trained in line with requirements for safe carriage of loads. JSEA for site specific/equipment operations. Exclusion zones where applicable.	1	5	M6
Operation	Crushing – coupling & uncoupling	4	5	E9	Safe systems of work for coupling/uncoupling. JSEA specific plant interaction and personnel exclusion zones.	1	5	M6
Operation	Driver fatigue	3	4	H7	Work and rest requirements in line with National Heavy Vehicle Regulator requirements.	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Operation	Roll-over & Tip-over	3	4	H7	Ground stabilisation. Competent, certified & authorised plant operator. Exclusion for operator interaction whilst working on unstable/unsteady ground. JSEA for works in moving shifting ground. Operate as per manual guidelines. Pre work inspections. PPE & 1st aid kit. Flashing beacon on roof of machine.	1	4	M5
Operation	Work Area - Access & Egress	3	4	H7	Obey traffic signage. Sign pre work briefing e.g (SWMS, JSEA, SITE INDUCTION). Daily operator's plant inspection. Communication with site supervisor. Flashing light to be fitted to the vehicle and turned on when entering site. Driver must be licensed. Be aware of other mobile plant on site. Do not block roads or throughways. Vehicle to contain first aid kit and fire extinguisher. Vehicle must not be overloaded and loads must be secured properly. Personnel are not to use handheld mobile phones whilst driving. Personnel are to wear seat belts at all times.	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Operation	Roll-over & Tip-over - Driving on Sloped Ground	3	4	H7	Observe correct procedure in the event of overturning. Maintain slow speed when driving across slopes. Maintain low centre of gravity if possible. Avoid driving on slopes if not necessary.	1	4	M5
Operation	Breakdown	3	4	H7	Exercise extreme care on the traffic side of the truck, make sure you're wearing reflective vest. Make sure you put the reflective triangles at the back and front of truck at the correct distance from truck. Position the truck as far off the road as possible and turn hazard lights on. Warn on coming traffic of hazard if safe to do so. Stay with truck and contact supervisor and ask for assistance if required.	1	4	M5
Operation	Refuelling - Fire	4	5	E9	Remain with truck whilst refuelling. Follow directions and warnings at fuel outlets. Adhere strictly to warnings prohibiting the use of electronic equipment. Only fill appropriate fuel in truck. Always discharge static electricity before touching fuel pumps.	1	5	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Hydraulic Faults - Crushing/Shearing Injuries	3	4	H7	1 - Never work under or near a suspended load attached to the hook. 2 - Never walk under the crane boom while in operation. 3 - Do not put any part of your body into a trapping space. 4 - If the work to be conducted under raised hydraulics cannot be fully supported by an approved support device, an assessment must be undertaken to identify the risks and the specified control measures (to conduct work safely) MUST be implemented prior to the work being conducted	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Crushing Between Plant & Materials or Fixed Structures	3	4	H7	1 - At all times stand clear of the load being moved into position 2 - Never position a load over the top of the operator or other persons. 3 - If the view of the load or final position of the load is obstructed, then a person holding the appropriate high risk work licence should be engaged to guide the crane operator and the load 4 - Ensure that telescopic arms are clearly labeled with warning decals displaying the potential crushing hazard associated with scissor type plants. 5 - When reversing the truck ensure that a spotter is provided when views are obstructed 6 - Ensure that area is isolated from persons walking into the path of the reversing truck 7 - When placing outriggers into position correct manual handling processes should be undertaken. 8 - Ensure the vehicle is secure through the application of the vehicle park brake.	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Tools or Materials Falling	3	5	H8	1 - Isolate the lifting area 2 - Ensure that all loose items are removed from any operating surface to prevent objects falling operating parts 3 - Clear all persons from the area before raising or lowering. 4 - Where necessary consider appropriate barricading of the lifting area.	1	5	M6
Crane Operation	Contact with Moving Parts	3	4	H7	1 - Ensure that any and all inspection and maintenance procedures is done in accordance with the procedures manual 2 - Ensure that all fitted warning decals are placed on the plant, and safe operating procedures are placed in the manual and kept on the machine as reference.	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Plant Tipping Over while in Operation, Testing or Maintenance	3	4	H7	1 - Ensure the load is within the charted reference as fitted to the crane. 2 - After operator assessment of ground conditions, ensure the use of suitable footpads if required. 3 - Ensure the crane is not illegally overloaded 4 - Ensure the ground is not soft or unstable. (if in doubt obtain information on point loading in the area of operation) 5 - Ensure the environment does not present strong winds (10m/s recommended) 6 - Ensure that where the crane is intended to operate on pneumatic tyres, attention shall be given to the condition of the tyres. 7 - Never move the vehicle while the crane has a suspended load. 8 - The tyres shall be free from defects and inflated to the correct pressure 9 - Vehicle fitted with air suspension, the factory instructions must be followed when lifting, loading or unloading. 10 - The air suspension must be fully deflated before operating crane.	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Trapped between the Plant and Materials, or Fixed Structures while in Operation, Testing or Maintenance	3	4	H7	1 - Avoid congested work areas 2 - Remain outside of the working area of the crane and its load 3 - Ensure sufficient clearance between the load and obstructions 4 - Ensure that any and all inspection and maintenance procedures are done in accordance with the procedures manual 5 - Ensure that where the crane is intended to operate on pneumatic tyres, attention shall be given to the condition of the tyres. 6 - The tyres shall be free from defects and inflated to the correct pressure	1	4	M5
Crane Operation	Electrocution from Overhead Power Lines	3	4	H7	1 - Maintain mandatory minimum clearances from overhead power lines as define by Regulatory Authorities. 2 - Remember the golden rule "Look up and Live"	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Electrocution from Plant Contacting Live Electrical Conductors	3	4	H7	1 - Ensure that the operator is to take safety measures to avoid all hazards in the work area prior to machine operation. 2 - This machine is not insulated and does not provide protection from contact or proximity to electrical current. 3 - Ensure that the operator maintains a safe distance from electrical lines, apparatus, or any energized (exposed or insulated) parts according to the Minimum Safe Approach Distance (MSAD) Refer Operators Manual 4 - The operator should when conducting an assessment of the task should allow for machine movement and electrical line swaying□ 5 - If using electrical items outdoors, they must be weather proof. If cleaning machine do not use pressurized water near control boxes or electric/electronic components	2	4	M6
Crane Operation	Entanglement	3	3	M6	1 - Keep personnel clear 2 - Isolate work area from other persons	1	3	L4

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Crane Operation	Unauthorised Use	3	3	M6	1 - Remove operational power from crane 2 - Use E stops to isolate operation	1	3	L4
Crane Operation	High Pressure Fluid	3	3	M6	1 - Ensure that all hydraulic hoses used have a bursting pressure of three times the working pressure 2 - Ensure that the provision of relief valves is used to prevent over pressurising the hydraulic system. Holding valves prevent unsafe descent in the advent of failure.	1	3	L4
Crane Operation	Falls from Heights	3	4	H7	1 - The operator should never stand on the frame of the truck unless a risk assessment has been completed and suitable controls put in place to prevent injury 2 - Operator should never stand on top of a load being lifted or when the load is on the ground or on the truck	1	4	M5
Equipment Maintenance	Inspection	3	3	M6	Equipment to be delivered as per operational and manufacturer's specification. Inspection will also consist of pre start book, operators manual, maintenance manual, 1st aid kit, flashing light, fire extinguisher and spill kit. Inspections carried out in excluded zone from other plant and vehicle interface.	1	3	L4