

OPENSORE

Risk Assessment Prime Mover



Hazards Requiring Attention:

0

AS AT

Wednesday, 11 February 2026

Next Review

Thursday, 11 February 2027

Total Hazards Recorded

14

Critical Risk Hazards

0

High Risk Hazards

0

Moderate Risk Hazards

11

Low Risk Hazards

3

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

Prime Mover

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Operation	Incorrect Operation	5	4	E9	Mandatory Heavy Vehicle licence.	3	2	M5
Operation	Road Worthiness	5	4	E9	Maintain appropriate RMS registration	3	2	M5
Operation	Road Worthiness	5	4	E9	Regular service as per manufacturers recommendations. Pre-start checklists.	2	1	L3
Operation	Entanglement With Moving Parts	4	4	H8	Guards to be in place at all times. Machine to be shut down during maintenance and no unauthorised persons in area. PPE and 1st aid kit. Offsider to be at least 25 metres away from machine whilst in operation. All machine operators appropriately licenced.	2	3	M5
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.	2	3	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.	2	3	M5
Operation	Crushing – coupling & uncoupling	4	5	E9	Safe systems of work for coupling/uncoupling. JSEA specific plant interaction and personnel exclusion zones.	2	3	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
Operation	Driver fatigue	3	4	H7	Work and rest requirements in line with National Heavy Vehicle Regulator requirements.	2	4	M6
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.	2	4	M6
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.	3	2	M5
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.	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
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.	3	2	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.	2	1	L3
Equipment Maintenance	Inspection	3	4	H7	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.	3	1	L4