

OPENSORE

Risk Assessment CAT Pump



Hazards Requiring Attention:

0

AS AT

Wednesday, 11 February 2026

Next Review

Thursday, 11 February 2027

Total Hazards Recorded

17

Critical Risk Hazards

0

High Risk Hazards

0

Moderate Risk Hazards

14

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

CAT Pump

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Operation	Not understanding the specific hazard and control methods used	3	4	H7	Only trained, competent and authorised persons are allowed to operate the equipment. DO NOT operate the equipment if you are under the influence of drugs or alcohol. Read the risk assessment and ensure you understand the specific hazards. Read the operators manual.	1	4	M5
Refuelling	Fuel Spill	3	3	M6	Refuel only in designated area. Use spill trays. Wear gloves. Keep fire extinguisher nearby.	1	3	L4
Refuelling	Fire/Explosion	3	4	H7	No smoking. Proper refueling procedure. Fire extinguisher	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Operation	Carbon Monoxide Exposure	3	4	H7	Use in well-ventilated area. Attach exhaust extractor or DPF (if fitted). Use RPE where required. Monitor Exposure.	2	4	M6
Operation	Noise Exposure	3	3	M6	Use hearing protection. Limit exposure time. Maintain exhaust system.	1	3	L4
Operation	Hot Surfaces/Burns	3	3	M6	Guard hot surfaces. Clear signage. Allow cooldown before maintenance. PPE (gloves).	1	3	L4
Operation	Manual Handling	3	4	H7	Use mechanical aids. Team lift. Training on manual handling.	2	4	M6
Operation	Entanglement, Crush Injuries	4	5	E9	Guarding installed and maintained. No loose clothing. Lockout before maintenance.	1	5	M6
Operation	Shock, Battery Explosion	3	4	H7	Inspect Battery Terminals. No Smoking Near Batteries. Use Insulated Tools.	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Operation	Ruptured Hose or Coupling	3	4	H7	Check Pressure Ratings. Use Correct Fittings. Inspect Hoses Regularly.	2	4	M6
Operation	Environmental Contamination	3	4	H7	Containment systems. Regular inspections. Spill kits on-site. Prompt clean-up. Maintain seals/fittings.	1	4	M5
Operation	Mechanical Failure	3	4	H7	Scheduled maintenance; pre-use checks	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Equipment Design	Design compliance - Manufacturers Instructions	4	4	H8	Read and understand all of the safety precautions and warnings before performing any repair. This list contains the general safety precautions that must be followed to provide personal safety. Special safety precautions are included in the procedures when they apply. Work in an area surrounding the unit that is dry, well lit, ventilated, and free from clutter, loose tools, parts, ignition sources and hazardous substances. Be aware of hazardous conditions that can exist. Always wear protective glasses and protective shoes when working. Rotating parts can cause cuts, mutilation or strangulation. Do not wear loose-fitting or torn clothing. Remove all jewellery when working. Ensure all leads inspected and have current tag prior to install To reduce the possibility of personal injury, use a hoist or get assistance when lifting	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Equipment Maintenance	Maintenance – incorrect operation	3	4	H7	Manufacturers Manual must be available at all times. Pre-start completed daily	1	4	M5
Equipment Maintenance	Maintenance – operational malfunction	3	4	H7	Maintain service and maintenance records. Conduct regular inspections	1	4	M5
Transport	Transport - Crushing injury or body injury from working near plant or machinery	3	5	H8	Ensure correct machinery unloading process is followed and that it is undertaken by a competent person.	1	5	M6
Transport	Transport - generator falling off transporter	3	5	H8	Inspect transporting lugs for wear and tear. Check chains are tight and dog secured whenever loading machinery onto transporter	1	5	M6