

Komatsu PC138US-11 (DEMO-EX01)

Company
logo

Company name:

Deadset Demo Earthworks Pty Ltd

Company ABN:

Date assessed:

2026-10-07

Company business address:

Company contact person:

Contact email:

Contact ph:

Plant ID:

DEMO-EX01

Make / model:

Komatsu PC138US-11

Serial:

DEMO-K138-30417

Document ID / revision:

Assessment covers (attachments, configurations):

Assessed by / signature:

Next review due:

2027-10-07

Operator competency (licence / VOC required):

Pre-start / service record reference:

Think about the whole life of the machine: (tick each item once it is covered in the hazard table)

☐ Transport and loading	☐ Setting up	☐ Travelling and slewing	☐ Each attachment	☐ Lifting (if used for it)	☐ Refuelling
☐ Cleaning	☐ Maintenance and isolating stored energy	☐ Parking	☐ People on foot and blind spots	☐ Ground stability and edges	☐ Underground and overhead services
☐ Unexpected movement	☐ Hydraulic pressure	☐ Noise	☐ Vibration	☐ Dust	☐ Maker's limits and approved attachments

Machine photos (optional, or see attached)

Risk rating and controls

Example risk matrix from WorkSafe Victoria's guide How to conduct a risk assessment (written for prescribed mines), with WorkSafe's own definitions and actions. **Rate each hazard twice**, before controls and with controls in place: likelihood row (a)–(e) + severity column 1–5 = rating. Agree the ratings with the workers who do the task and their HSRs.

Likelihood of the event	Severity of consequences				
	1: Insignificant	2: Minor	3: Moderate	4: Major	5: Catastrophic
(a) Almost certain Expected to occur in most circumstances	Significant risk	Significant risk	Severe risk	Severe risk	Severe risk
(b) Likely Will probably occur in most circumstances	Moderate risk	Significant risk	Significant risk	Severe risk	Severe risk
(c) Moderate Given time, likely to occur	Low risk	Moderate risk	Significant risk	Severe risk	Severe risk
(d) Unlikely More likely not to occur under normal conditions	Low risk	Low risk	Moderate risk	Significant risk	Significant risk
(e) Rare May only occur in exceptional circumstances	Low risk	Low risk	Moderate risk	Significant risk	Significant risk

Severity of consequences

1 Insignificant	Any injury or disease that needs first aid treatment only.
2 Minor	Any injury or disease that is likely to result in a person being incapacitated from normal activity for a continuous period of up to 7 days.
3 Moderate	Any injury or disease that is likely to result in a person being incapacitated from normal activity for a continuous period of 7 or more days.
4 Major	A fatality or total and permanent disability.
5 Catastrophic	Multiple fatalities.

Prioritise the risks

Severe risk	Stop activity and rectify immediately.
Significant risk	Rectify with urgency.
Moderate risk	Actively look for opportunities to further reduce risk.
Low risk (WorkSafe list: Minor)	Consider if anything simple can be done to reduce the risk. If not, manage as part of a continuous improvement program.

A rating helps you decide what to fix first. It never replaces a control required by law, or the duty to eliminate the risk, or reduce it as far as reasonably practicable. **Rate the injuries that could realistically happen, and only rely on the after-controls rating once the controls are in place and working.**

Selecting risk controls

1. Any risk to health and safety must be eliminated if it is reasonably practicable to do so.

2. Any remaining risk must be reduced, so far as is reasonably practicable, by:

- Implementing any mandated controls specified by law (e.g. the OHS Regulations 2017)
- Substituting a new activity, procedure, plant, process or substance (e.g. scaffold in preference to ladders)
- Isolating persons from the hazard (e.g. fence off areas for mobile plant operation)
- Using engineering controls (e.g. guard rails, trench shields)

More effective

3. If any risk to health or safety remains, it must be reduced by using:

- Administration controls (e.g. activity specific safety training, work instructions, warning signs)
- PPE such as respiratory protection, hardhats, high-visibility clothing

Less effective

Task / operation What is the machine used for?	Hazards and risks Each hazard, people exposed, injury it could cause	Before L S = rating	Control measures List the risk control measures	Type E / S / I / Eng / A / PPE	How implemented How the controls will be implemented	After L S = rating	Who is responsible For each control
EXAMPLE: Getting on and off the machine	Slip from the steps: operator, sprain or bruising	c2 = Moderate	Non-slip steps and grab handles fitted; three points of contact; steps cleaned of mud	Eng, A	Steps checked at every pre-start; covered in operator induction	d2 = Low	Machine operator

Hazards and controls (continued)

Control type: E = Elimination, S = Substitution, I = Isolation, Eng = Engineering, A = Administration, PPE = Personal protective equipment. **Rating:** likelihood (a)–(e) + severity 1–5 = rating from the matrix, e.g. c2 = Moderate.

Task / operation What is the machine used for?	Hazards and risks Each hazard, people exposed, injury it could cause	Before L S = rating	Control measures List the risk control measures	Type E / S / I / Eng / A / PPE	How implemented How the controls will be implemented	After L S = rating	Who is responsible For each control

Monitoring, review and sign-off

Monitoring the controls

How will compliance with this risk assessment be monitored? e.g. direct supervision, regular spot checks	How often	Who is responsible This person must be on site

When this risk assessment must be reviewed

Review and, if necessary, revise this risk assessment:

- before the machine is first used at a workplace, and before any change to the machine, how it is used, the system of work or its location, including when a new hazard is identified or new information about a hazard or risk becomes available
- after any incident that occurs during the work or involving this machine, including a notifiable incident
- if there is any indication that risk control measures are not adequately controlling the risks
- when a health and safety representative (HSR) asks for a review
- at least once a year, as a scheduled review (company practice). This never delays an earlier review.
- **New site:** this risk assessment stays with the machine and can be reused where it still fits. Before first use at the new site, review its controls against the site and revise where needed.
- **Site hazards:** the new site's own hazards still need controlling, and high-risk construction work needs that site's SWMS.
- **Every review:** confirm each control is still used and still works, look for any new hazard a control has introduced, ask whether a higher control on the hierarchy is now practicable, talk it through with the operators and HSRs, then re-rate each hazard on the risk matrix.

Stop the work immediately, or as soon as it is safe to do so, if it is not being done in line with this risk assessment. Before restarting: make sure the risk assessment is being followed (revise it if needed), check the controls are in place and working, and brief the affected workers.

Notifiable incidents: since 1 July 2024 this includes earthmoving machinery. A collapse, overturn, failure or malfunction that exposes someone to a serious risk can be notifiable even if no one is hurt. Notify WorkSafe Victoria immediately on 13 23 60, then in writing within 48 hours, and do not disturb the site except to help an injured person or make it safe.

Review record (including the check before first use at a new site)

Date	Site or reason	What changed	Consulted Workers, HSR if any, and how	Reviewed by

Each person who operates or works around this machine signs after being briefed on this revision. Signing confirms you were consulted about or briefed on it, the hazards, controls and when to stop work were explained in a way you understand, you could ask questions and raise concerns, and you know who to tell if conditions change or a control is not working. **Signing records the briefing. It does not replace consultation, training or supervision.**

Name of worker	Role	Briefed by	Signature	Date

Name of worker	Role	Briefed by	Signature	Date