

Assemble La	arge Mechanical Parts Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema:	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRICEIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			

Version 2.5 Authorised by Review # Review Date:



RISK MATRIX LIKELIHOOD INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

Risk Rating & Required Action:

4A	Stop work. The risk is intolerable, minate the hazard redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hit er-level authorisation is required.
3H	Review and approve additional controls to the last arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in prace and efficiency roceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor and keep records.

Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
ivioderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Eliminate
- Substitute
- Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Incorrect tools, Slippery surfaces	3H	- Ensure all tools and equipment are available and fither purpose - Conduct a site inspection to identify any slipper osurfaces and apply non-slip coatings or mats - Ensure personnel wear appropriate person (protective quipment (PPE), including safety shoes - Conduct a toolbox talk to discuss task steps and it muffied hazards - Verify weather conditions and ensure work area covered if needed - Maintain a clean and organized work area - Have emergence accesses in page and understood - Provide advarate lighting work is anduct andoors or in dim areas - Chest all safes equipment is in place and functional - Provide anining approper tool use	2M
2. Receiving Parts	Handling injuries, Drop	33	 Use muchan all aids a lifting heavy items Lanin sturf on requal handling techniques Ensured ar pathways for transport Londuct regular maintenance checks on lifting equipment Loe team lifting for awkward or heavy parts Implement safe work procedures for part handling Ensure workers have appropriate PPE, including gloves and steel-toed boots Apply load tags to clearly indicate weight and handling instructions Station first aid kits nearby Post safety signage regarding handling precautions 	2M
3. Unpacking Components	Sharp edges, Pinching points	2M	- Ensure personnel wear cut-resistant gloves - Use tools designed for opening crates and boxes - Train workers on the use of box cutters and unpacking procedures - Conduct a risk assessment prior to unpacking - Ensure sufficient space is available for unpacking tasks - Use appropriate signage to warn others of unpacking areas - Keep packed materials organized to avoid tripping - Dispose of packing materials promptly	1L



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			- Have protective eyewear available for potential contact with sharp edges	
			- Supervise critical unpacking tasks	
4. Inspect Components	Defective parts, Misidentification	2M		1L
5. Assembly Area Setup	Electrical hazards rip hazards	ЗН		2M
6. Initial Fitment	Incorrect alignment, Excessive force injuries	3Н		2M



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7. Secure Fasteners	Loose fasteners, Stripped threads	зн		1L
8. Connect Electrical Components	Electric shock, Sho	JA		2M
9. Install Hydraulic Systems	Fluid leaks, High pressure	4A		2M



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10. Final Adjustments	Incorrect adjustments, Overexertion	3H		2M
11. Testing and Commissioning	System failure, Operator error	4A		2M
12. Operational Handover	Incomplete documentation, Miscommunication	3Н		1L



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13. Training for Operators	Inadequate training, Lack of understanding	ЗН		1L
14. Maintenance Scheduling	Unexpected breakdowns, wate servicing	ЗН		1L
15. Continuous Improvement	Missed opportunities, Resistance to change	ЗН		1L



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EMERGENCY RESPONSE - CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF AT ARE NOT APPLICABLE.

Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice

Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislative

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-racti

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

Codes of Practice NT: https://worksafe.nt.gov.au/f

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

Tasmania

Work Health and Safety Act 2012

Work Health and Safety (Transitional and Consequential Provisions) Act 2012

Work Health and Safety Regulations 2012

Work Health and Safety (Transitional) Regulations 2012

Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

Victoria

Occupational Health al. Safety Act

Occupational Health and affety gulations 2017

Legis on VIC: https://www.wksafe.vic.gov.au/occupational-health-and-safety-act-and-

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tes of actice VIC attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work