

Working Inside	Engine Compartments. Ri	isk 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 PRI. CIL L. CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			



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 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 hime	er-level authorisation	is required.
3H	Review and approve additional c	role 'ask	arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in-	prace and effective	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ig procedure // Ion	itor 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
Moderate	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
- 3. 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	slips on fluids, sharp edges	3H	- Ensure all tools and equipment are in good condition and readily available - Conduct a site-specific risk assessment before carting work - Wear appropriate PPE including gloves as a non-slip for pear - Ensure good housekeeping to remove any trocharcus - Understand and apply a lockbut/tagout procedure where apply toble - Ensure adequate lighting for a fibility - Check for share a gest and cover or remove where possible - Ensure that a workers are rained a safe troch procedures - Limitancess a only the cinvolved in activity - Keep a quids in our-safe containers	2M
2. Access Engine Compartment	falls from height, awkwasture	31	 Use la terse steps et are stable and compliant with safety standards aintair three prints of contact when accessing elevated areas Position durself in a manner that avoids overreaching or straining blan the access route and ensure it is clear of obstacles Conduct a pre-access check to ensure the workspace is stable Utilise lifting aids to reduce manual handling risks Use a support harness if working at height is necessary for a prolonged period Ensure team members monitor each other for safe practices Perform stretching exercises to prepare for the task Brief workers on the importance of maintaining ergonomic positions 	1L
3. Perform Inspection	exposure to chemicals, electrical shock	4A	- Use hazard-rated gloves and eye protection to prevent chemical exposure - Label all chemicals clearly and keep them in appropriate containers - Ensure electrical equipment is inspected and tagged as safe to use - Implement a lockout/tagout procedure to de-energise equipment - Use ground-fault circuit interrupters (GFCIs) when using power tools - Provide emergency eyewash stations in close proximity - Use fume extraction systems to reduce the inhalation of harmful vapours - Train staff on how to handle chemicals safely	2M



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			- Ensure that first aid equipment is readily available	
			- Install appropriate signage to warn of chemical hazards	
4. Remove Components	manual handling, tool misuse	3Н		1L
5. Install New Components	crushing injuries, ch poi	ЗН		2M
6. Test Installed Components	unexpected energy release, moving machinery parts	4A		2M



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7. Cleaning Work Area	chemical spills, slipping	ЗН		1L
8. Exit Engine Compartment	slip/trip/fall, contact with hot comparents	2M		1L
9. Review and Document	incomplete records, improper risk review	2M		1L



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10. Conduct Debrief	poor communication, stress	ЗН		1L
11. Training and Induction	lack of awareness, inadequate training	ЗН		1L



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12. Tools and Equipment Maintenance	equipment failure, improper use	ЗН		1L
13. Hazardous Substance Management	chemical exposure, inhalation risks	4A		2M
14. Emergency Response Procedures	poor response to incidents, communication failures	4A		2M



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15. Health Monitoring	unrecognised health issues, long-term exposure effects	3H		1L
16. Decontamination	spread of contaments, skin initiation	ЗН		2M
17. Confined Space Entry	oxygen deficiency, restricted movement	4A		2M



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18. Welding and Hot Work	burns, fire risk	4A		2M
19. Noise Management	hearing damage, disruption	ВН		1L
20. Follow-Up Actions	non-compliance, oversights in implementation	2M		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 > odes-oi racti

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo_place-

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/legislation

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 at Safety Act 34

Occupational Health and afety gulations 2017

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

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des on actice VI autros://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