

Using Hydraulic Lifts In Vehicle Repairs. Risk Assessment

Business Name:		ABN:
Business Address:		
Contact Person:	Phone:	Email:

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change	
								PPE	
Risk Rating & Required Action:								Notes on Hierarchy of Controls:	
4A		Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.						Remember to apply controls in the preferred order shown by the coloured pyramid:	
3H		Review and approve additional controls before task starts. Senior supervisor sign-off needed.						1. Eliminate	
2M		Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.						2. Substitute	
1L		Proceed, following standard operating procedures. Monitor and keep records.						3. Isolate	
Consequence Scale:								4. Engineering	
Consequence	People (injury/illness)		Project / Assets		Compliance / Reputation		5. Administrative		
Catastrophic	Fatality or permanent total disability		project shutdown		Significant regulator intervention; criminal prosecution		6. PPE		
Major	Serious injury/illness (hospital > 5 days)		critical delay		Improvement notice; major media coverage		Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.		
Moderate	Medical-treatment injury; lost-time > 1 day		moderate delay		Minor breach; adverse client comment		aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.		
Minor	First-aid only, no lost time		negligible delay		Isolated non-conformance				
Insignificant	No injury		no schedule impact		Deviation caught and corrected on site				

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 lift set-up, Unclear work instructions	3H	<ul style="list-style-type: none"> - Conduct training in using hydraulic lifts - Ensure all team members are familiar with vehicle-specific instructions - Use checklists to verify equipment setup - Keep the work area clear of obstacles - Ensure communication devices are working and used - Display safety signage in the area - Perform inspections prior to work commencement - Ensure the availability of operation manuals - Confirm workers have appropriate PPE - Hold safety briefing before starting 	2M
2. Inspect Lift Equipment	Faulty hydraulic components, Leakage of hydraulic fluid	3H	<ul style="list-style-type: none"> - Regular maintenance schedules for hydraulic systems - Pre-use inspection by qualified personnel - Use certified parts for repairs - Train workers in detecting faults - Keep spare parts handy - Report and tag faulty equipment immediately - Follow prescribed maintenance procedures - Record inspections and findings - Ensure adequate lighting for inspections - Document operating conditions 	2M
3. Position Vehicle	Vehicle not aligned properly, Obstructions in path	3H	<ul style="list-style-type: none"> - Use spotters to guide vehicle alignment - Mark preferred paths within the garage - Remove any potential obstructions - Train workers in proper alignment techniques - Implement use of visual guides - Conduct regular spot checks - Ensure vehicles are secured before lifting - Display clear instructional markings on floors 	2M

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			<ul style="list-style-type: none"> - Inspect vehicle alignment aids (mirrors, cameras) - Regularly update alignment software on lift systems 	
4. Engage Lift Mechanism	Malfunctioning lift controls, Unexpected movements	3H	<ul style="list-style-type: none"> - Verify lift controls are properly calibrated and tested before use - Ensure all safety interlocks are functional - Use proper hand signals and communication with the operator - Avoid standing in the lift's path or under the vehicle - Do not touch the lift controls while the vehicle is being raised - Keep clear of the lift's base and moving parts - Use the emergency stop button if a problem occurs - Do not attempt to force the lift if it is not moving - Follow the manufacturer's instructions for operating the lift - Ensure the lift is on a level, stable surface - Do not use the lift if you are unsure of its capacity 	2M
5. Conduct Vehicle Repair	Improper tool use, Component failure	3H	<ul style="list-style-type: none"> - Use the correct tools and equipment for the job - Follow the manufacturer's instructions for using tools - Inspect tools for damage or wear before use - Do not use tools on a flammable or volatile surface - Keep tools organized and in a designated area - Do not use tools to pry or force components - Use proper technique when using tools - Avoid using tools on a flammable or volatile surface - Do not use tools to pry or force components - Use proper technique when using tools - Avoid using tools on a flammable or volatile surface - Do not use tools to pry or force components - Use proper technique when using tools - Avoid using tools on a flammable or volatile surface - Do not use tools to pry or force components - Use proper technique when using tools 	2M
6. Lower Lift	Sudden lowering of vehicle, Collapse of lift	4A	<ul style="list-style-type: none"> - Ensure the vehicle is properly supported by the lift - Do not touch the lift controls while the vehicle is being lowered - Keep clear of the lift's base and moving parts - Use the emergency stop button if a problem occurs - Do not attempt to force the lift if it is not moving - Follow the manufacturer's instructions for operating the lift - Ensure the lift is on a level, stable surface - Do not use the lift if you are unsure of its capacity - Use proper hand signals and communication with the operator - Avoid standing in the lift's path or under the vehicle - Do not touch the lift controls while the vehicle is being lowered - Keep clear of the lift's base and moving parts - Use the emergency stop button if a problem occurs - Do not attempt to force the lift if it is not moving - Follow the manufacturer's instructions for operating the lift - Ensure the lift is on a level, stable surface - Do not use the lift if you are unsure of its capacity 	3H

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7. Clear Work Area	Leftover fluid spills, Tools obstructing walkways	2M		1L
8. Record and Report	Improper documentation, Minor safety incidents	3H		2M
9. Evaluate Job Site	Undetected hazards, Inadequate evaluation	3H		2M

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10. Conduct Post-Job Briefing	Missed feedback opportunities, Team miscommunications	2M		1L
11. Repair Tool Storage	Improper storage leading to damage Unlabelled tools	3H		1L
12. Maintain Lift Equipment	Neglected servicing schedules, Outdated lift components	3H		2M

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13. Access Control	Unauthorised area access, Unsupervised visitor entry	3H		1L
14. Emergency Planning	Delayed emergency response, Inadequate emergency equipment	4A		2M
15. Perform Incident Analysis	Incomplete incident reviews, Repeat occurrences	3H		2M

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SAMPLE

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 IF ANY STATE THAT 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>

Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-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/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-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>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-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

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/workplaces/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.