

Handling (Combustion Engines Risk A	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESS	MENT IS APPROVED BY THE PC	BU ON Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	ure that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



RISK MATRIX								
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
4A Stop work. The risk is intolerable, uninate the hazary redesign the activity before proceeding. A Safe Work						Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.	
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
			no schedule		eviation 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	Slips, trips, Falls	ЗН	 Conduct site inspection for hazards Ensure area is well-lit and marked Wear appropriate footwear Remove obstructions from work area Use floor coverings or mats Train workers on safe movement practices Use signage for even and the practices Use signage for even and the practices Regularly interfect and mathematication Haverleaning protocation place Use the plip survers 	2M
2. Lifting Engine Parts	Musculoskeletal injurier and h injuries	2	 Provid medianical lang aids Provid medianical lang aids Provid medianical lang rocedures Provid manual handling training Ionduct risk assessments before lifting Use personal protective equipment (PPE) Maintain equipment for lifting safety Ensure clear communication during lifts Use proper lifting techniques Limit weight and frequency of lifts Organise regular ergonomic assessments 	2М
3. Using Tools	Tool malfunction, Cuts and lacerations	ЗН	 Regularly inspect and maintain tools Provide training for tool use Use tools according to instructions Provide PPE such as gloves Use tools with safety guards Ensure all tools are properly stored Conduct pre-use equipment checks Prohibit use of damaged tools 	2М



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			- Ensure immediate report of defects	
			- Frequently review tool safety protocols	
4. Handling Fuels	Fire, Exposure to hazardous substances	4A		2M
5. Engine Disassembly	Pinch points, Sha u edges	ЗН		2М
6. Cleaning Components	Chemical exposure, Skin irritation	ЗН		2М

Version 2.5



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7. Engine Reassembly	Equipment failure, Misalignment injuries	ЗН		1L
8. Testing Engines	Noise, Vibration	IA		2М
9. Final Inspection	Part failures, Safety non-compliance	ЗН		1L



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10. Storage	Improper storage, Theft	ЗН		2M
11. Disposal of Waste	Environmental contamination, Injury through improper disposal	4A		1L
12. Handling Tools and Equipment	Tool mishandling, Equipment failure	ЗН		2M

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13. Transportation of Engines	Load shifting, Vehicle accidents	4A		2М
14. Handling Documentation	Data loss, Breach of concertion	ЗН		1L
15. Employee Training and Development	Skill gaps, Inadequate training	ЗН		1L



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16. Emergency Preparedness	Lack of emergency response, Inadequate emergency equipment	4A		2М
17. Psychological Well- being	Work stress, Burnout	ЗН		1L
18. Maintenance Activities	Equipment malfunction, Unplanned downtimes	ЗН		1L





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19. Communication of Procedures	Miscommunication, Failure to comply with procedures	ЗН		1L
20. Quality Control	Non-conforming products, Inspection failures	ЗН		1L



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 RE	EFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	SLATIVE REFERENCES ANY STATE 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/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health and Safety Action 04 Occupational Health and offetvor gulations 2017 Legismon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- tulations</u> Codes on vactice VIC <u>outtps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>
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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 201. Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wo_place-sect-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wo_place-sect-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wo_place-sect-sect-laws</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u>	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
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	 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
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.	 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