

Assessment Number: BC07			Assessment Date: 21/2/2023
Plant Type: Heavy Duty Air Operated Rivet Gun Plant Make: Trax Plant Model:			Assessment Facilitated by: Leigh Evans (Admin/Accounts Manager)
Asset/Fleet/Rego No: RIVETGUN Plant Serial No.			Assessment Participants: Chris Feldbauer (Director)
Plant Owner Name: Northern Hire Group			Follow up Assessment (See below for Revision No.)
• plant o • anyone	perators working, or in	the vi	st, consider the hazards that may affect: cinity of, the plant d, such as visitors, pedestrians, contractors, etc.
Is the plant designed to perform the task?	Yes	No	
Has the plant been modified from the original condition?	Yes	No	
Is the plant in good working condition and free of weeds & mud?	Yes	No	
All identified action items closed out/addressed (plant checks)?	Yes	No	
Is the plant safe to operate? (On completion of PHA and action closure)	Yes	No	Date: 16/2/23 Signature:

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This document has been developed as a guide to identify hazards on plant only.

This Risk Assessment has been conducted to the guidelines as detailed in the Worksafe booklet "Plant Hazard Checklist"

Workplace hazards have not been identified.

Job safety analysis (J.S.A) - Safe Work Method Statement (SWMS) is required to identify workplace hazards.

Operators must take into account Job Safety Analysis when operating mobile plant.

This assessment is conducted under a static condition as per Occupational Health & Safety Regulations Victoria 2017. A site specific assessment should be conducted at each change of location. Refer to Plant Regulations/National Standards for Plant (NOHSC).

Action and Approval Scheme

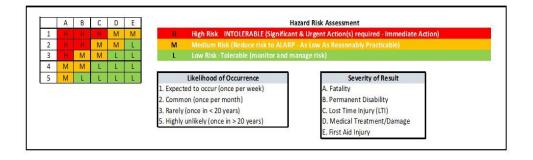
These suggested timings and tolerance levels in the Action Table will be overridden by specific policies of the company that either dictate shorter timeframes for corrective action or zero tolerance. For example, the company has a zero tolerance policy for Safety and Environmental risks.

The decision to tolerate a risk or capture a opportunity should be based on a consideration of:

Whether the risk / opportunity is being controlled to a level that is reasonably achievable;

Whether it would be cost-effective to further control risk or capture the opportunity;

Whether the user wishes to tolerate risks / opportunities of that type



Disclaimer:

This Plant Hazard & Risk Assessment does not eliminate the Owner/Operator responsibility to maintain the Mobile Plant as per OH & S Regulations Victoria 2017/National Standards for Plant (NOHSC).

This assessment provides information that is based on an inspection that was made on the date noted on the assessment cover sheet. If any addition, alteration or modification has been made to this mobile item plant subsequent to that date, it may not confirm to a satisfactory level of acceptance.

All hazards identified in this document must be rectified within 21 days of date listed on this form.

If faults are not rectified in 21 days, this document becomes null and void.

I acknowledge receipt of the complete Assessment for the Plant item detailed on the cover sheet.

Supervisor/Operator Name:

Supervisor/Operator Signature:

Date: /

Further information

Contact the WorkSafe Victoria Advisory Service on 1800 136 089 or go to worksafe.vic.gov.au to download:

- Occupational Health and Safety Act 2004
- Occupational Health and Safety Regulations 2017
- Plant Compliance Code
- · Hazardous Manual Handling Compliance Code
- · Noise Compliance Code
- Hazardous Substances Compliance Code
- Code of Practice for Storage & Handling of Dangerous Goods

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Issue Date: 16/2/2023



Potential Hazards		Hazaı	d	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A	Describe nazaru			on Plant	Level	By: (Name and Date)	(Name and Date)
1. Are there any specific warnings or conditions (manufacturers or other) relating to potential hazards from the operation of the item of plant? Refer to technical or operating manuals, SOPs, safe use instructions List any relevant safety warning hazards & controls	Y			Injury to persons due to incorrect usage	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating.	M				
2. Are there any COMMUNICATION requirements in relation to the safe operation of the plant? Active signalling processes. Point to point communications. Whistle Spotter (with/without whistles) Flag signalling Labels and signage		N								

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Potential Hazards	H	Hazar	d	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A	2000.100 1.020.0	00		on Plant	Level	By: (Name and Date)	(Name and Date)
3. Can anyone be ENTANGLED in the plant? Hair or other body parts caught in moving parts PPE caught in moving parts Isolation devices Warning decals Guarding Rotating parts Emergency stops	Y			Injury due to contact with moving parts and/or projectiles	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls	M				

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Potential Hazards	Y	Hazar N	rd N/ A	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required on Plant	Final Risk Level	New or Additional Controls Action By: (Name and Date)	Action Verified as Complete: (Name and Date)
4. Can anyone be CRUSHED or TRAPPED? (e.g. through unexpected movement, lack of capability for plant or equipment to be slowed, stopped or immobilised, plant tipping or rolling, being thrown from plant)		N								
 Emergency stop (E Stop) Service or parking brake Battery isolator ROPs/FOPs Being crushed between moving parts Unexpected movement Neutral Start Reversing/travel alarm Warning horn Amber flashing beacon Rear swing warning lights Pedals non slip surface Appropriate controls Rear view mirror Seat belt Door inter locks Crush zone decals Guarding devices Mandatory secondary protection device installed on all boomtype MEWP 										

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Potential Hazards	ŀ	lazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 5. Can anyone be CUT, STABBED or PUNCTURED? Flying objects Moving parts Pinch points Sharp edges Isolation devices Warning decals Guarding 	Y			Injury due to contact with projectiles	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls Do not aim nailer towards persons	H				
 6. Can SHEARING occur? Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding 		N								

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Potential Hazards		Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
1 otomar nazarao	Υ	N	N/ A	5 3 5 5 1 1 d Lair d	001111010	Garrent Rick Zover	on Plant	Level	By: (Name and Date)	(Name and Date)
 7. Can ABRASION, TEARING or STRETCHING occur? Continuous contact with moving parts Warning decals Guarding Pulling/pushing 	Y			Injury from contact with moving parts or high pressure air	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	M				

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Potential Hazards	ŀ	Hazard N/		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
8. Can anyone be STRUCK whilst operating the plant? Plant disintegrating Mobility of plant travelling Reversing/travel alarm Amber flashing beacon Work pieces thrown out Moving parts Warning decals Guarding	Y			Injury from contact with moving parts and/or projectiles	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	Н				

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
9. Can a hazardous PRESSURE be produced? Hydraulic hoses Radiator Come into contact with fluids under high pressure	Y			Injury from contact with high- pressure compressed air. Compressed air can enter the body, particularly where skin is not present (ie, ear, nose, eye, scratch or puncture of the skin) and cause blood vessels to become blocked by air bubbles (aeroembolism). Compressed air can also cause hearing damage	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Do not aim air nozzle towards any person or body part. Do not use to clean skin or clothing. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	L				

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Potential Hazards	ı	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A	2000.1100.110201.0			on Plant	Level	By: (Name and Date)	(Name and Date)
10. Can an ELECTRICAL hazard be created? Lack of insulation Contact with electrical conductors Poor earthing Water near equipment Lack of isolation Warning decals				Potential Hazard	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating.	M				
					Check power leads daily and do not use if signs of wear or damage detected.					
					Ensure the power source is connected to an RCD (safety switch), and that the lead and connections are protected from moisture.					
					Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to					

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Potential Hazards	Y	Haza N	rd N/	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required on Plant	Final Risk Level	New or Additional Controls Action By:	Action Verified as Complete: (Name and
11. Can an EXPLOSION or LOSS OF CONTENTS occur? Gas emission, Dusts Vapours, lubricants Fuel tank Storage of haz chemicals/DG's near plant Warning decals Ejection of workpiece Collapse or fragmentation	Y	N	A	Injury ro person from contact with high pressure air	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating.	L			(Name and Date)	Date)
12. Can anyone using or near the plant SLIP, TRIP or FALL? Uneven surface Fall from a height Weather conditions Slippery surfaces	Y			Site specific	Site specific risk assessment must be undertaken by client prior to operating plant	L				
13. Are there ERGONOMIC - MANUAL HANDLING hazards associated with the plant? Poor posture Repetitive or sustained movements Awkward positions Strained movements Poorly designed seating Access and egress Access for maintenance Routine inspections and adjustments	Y			Injury from impact shock	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Ensure operators take regular rest breasks	L				

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Potential Hazards	Y	Hazaı	N/	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required on Plant	Final Risk Level	New or Additional Controls Action By: (Name and Date)	Action Verified as Complete: (Name and Date)
14. Are there ERGONOMIC - OPERATING CONTROL hazards associated with the plant? • Difficult to understand	-	N	Α						(Name and Date)	Date
 Inappropriate colouring Function not identified Inappropriate controls & switches Access and egress Labelling of controls and indicators Variation in operators Operation by two or more persons 										
15. Are there specific requirements for ISOLATION of energy sources? Hydraulic pressure Compressed gases Electrical feeds/capacitors Motive power systems Suspended loads Operation by two or more persons	Y			Injury from contact with high pressure air	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating.	L				
 16. Can unplanned LOSS of POWER create a hazard? Engine shutdown Loss of electrical supply Loss of steering systems Ability to apply brakes and stop Ability to lower suspended loads 		N								

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Potential Hazards	ŀ	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
17. Can anyone be SUFFOCATED?		N								
 Lack of oxygen Contaminated atmosphere Confined spaces Spaces where air flow is inadequate 										
18. Does operation of the plant cause extreme TEMPERATURE changes?		N								
 Fire Burns through conduction Convection Cryogenic burns Operation in extreme heat or cold 										
 19. Can a FIRE occur? Friction Ingress of materials/fluids Build-up of materials/lubricants Fuels Fire extinguisher 		N								
20. Can certain WEATHER conditions create a hazard? Hypothermia / extreme cold Heat stroke / extreme hot Wet conditions Electrical storms Dirt & mud on roads at egress points	Y			Potential Hazard	Site specific risk assessment must be undertaken prior to operating plant. Observe local weather warnings.	L				

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Potential Hazards	ŀ	Hazard		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
21. Does VIBRATION of the plant create a hazard? Plant becomes unstable Causes physical problems for the operator whilst operating Vibration of equipment Operation could cause unacceptable vibration levels in nearby structures	У			Injury from impact shock	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Ensure operators take regular rest breaks	L				
22. Can the plant emit toxic FUMES or VAPOURS?		N								
Exhaust fumesChemicalsHaz chemicals/DG's										

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Potential Hazards	Hazard			Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
23. Carry out NOISE survey on page 14. Is the plant noisy? Emit >85 dBA at the operator Effects operator communication Noise impacts on community during out-of-hours work (including reversing beepers)	Y			Potential hazard with prolonged use	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls Siet specific assessment required	L				
 24. Carry out the LIGHT survey on page 14. Is there poor visibility At the controls At the task Darkens surrounding areas Light impacts on community or 			N/ A							
sensitive natural environment during out-of-hours work										
25. Does the plant emit RADIATION?		N								
Eg X-raysEMRLaser										

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Potential Hazards	Hazard			Describe Hazard	Controls Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:	
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
26. Can operation of the plant create DUST? Explosive atmosphere Breathing hazard Reduced visibility Nuisance dust at nearby community Impact on local flora and fauna Loss of topsoil and spread of weeds and pathogens		N								
27. Can the plant become UNSTABLE during operation? Working on uneven / unstable ground Shifting load Lack of plant support Outriggers	Y			Potential Hazard	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Site specific risk assessment must be undertaken by client onsite to determine PPE and controls					
28. Could LOSS of LOAD occur? Failure of ropes/slings Overloading Entanglement in surrounding		N								
structures Maintenance requirements										

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Potential Hazards	Hazard			Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
29. Is there anything in the SURROUNDING ENVIRONMENT that may produce a hazard?		N								
 Power lines Low ceiling Other plant Storage areas Co-located equipment Isolation requirements Potential for flash flooding if operating adjacent to waterways Operating in known areas of weeds, pathogens or contamination Operating in sensitive environments requiring protection from offsite weeds/pathogens or spills 										
 30. Can CHEMICALS create a hazard? Leaking from plant Splashing Explosion PPE considerations Spill kit considerations 		N								

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Potential Hazards	Hazard			Describe Hazard Cor	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
31. Operator TRAINING / QUALIFICATIONS? Training requirements Qualification requirements Competency assessments Documentation Operator's manual Equipment experience Product knowledge	Y			Injury from incorrect usage	Ensure all users have read and understood the Safety Instructions contained within the Operator/Instruct ion Manual before operating. Undertake a Job Safety and Environmental Analysis before use of plant, and use to determine that the relevant safety procedures are in place before commencing work.	L				
32. Are there <u>ANY OTHER</u> potential hazards generated by or during the use of this item of plant and/or any attachments?	Y			Plant Failure	Pre – Operational Inspection	D	DAILY - Operators must complete Start-up checklist Operation checklist Parking Checklist	E		

ALL OPERATORS OF THE PLANT OR EQUIPMENT MUST BE BRIEFED ON THE PLANT HAZARD ASSESSMENT (PHA) PRIOR TO FIRST TIME USE.

ANY RELEVANT CONDITIONS WHICH MAY IMPACT ON THE OPERATION OF THIS ITEM OF PLANT OR EQUIPMENT MUST BE TRANSFERRED TO THE AMS/TRA.

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NOISE REPORT										
Equipment Type:	Rivet Gun	Serial/Asset No.	RIVETGUN							
Make:		Model:								
Test by (print):	Leigh Evans	Date:	21/2/23							
Signature:	gnature:									
Sound Level Meter Ur	nit Used:									
Manufactures specifie	ed noise level:		93-101 dBA							
Background level:			93 dBA							
Results - Operator's		>101	dBA High Idle							
(Equipment Operating	g)	>93	dBA Low Idle							
Comments:										
must be worn at all til	Noise level at operator position (Start Panel) is over 90 dB(A). Hearing protection must be worn at all times within the canopy when the unit is running. Failure to comply may result in hearing damage or loss.									
Results - Bystander F	Position:									
•	of equipment – Equip	ment Operating (Hig	gh Idle)							
Front			93 dBA							
Rear		93 dBA								
Left		93 dBA								
Right	Right 93 dE									
Comments:	Comments:									

LIGHTING REPORT				
Test by (print):		Date:		
Signature:				
Lux Meter used:				
Results - Operator's station				
At controls				Lux
At emergency control				Lux
In front/over task				Lux
Left side task				Lux
Right side task				Lux
Comments:				
Results – Surroundings:				
Clearly seen by others?		□ Yes	□ No	
Decrease lighting in walkways	?	□ Yes	□ No	
Decrease lighting to other wor	kstations?	□ Yes	□ No	
Comments:				

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This Hazard Identification and Risk Assessment has been prepared based on several key assumptions:

- 1. That all examples of the plant currently in service are as per their original specification.
- 2. That all examples of the plant have not been modified in any way without the prior written consent of the manufacturer or owner.
- 3. That all examples of the plant are operated and maintained in accordance with the Manufacturer's Instructions and with all applicable statutory requirements.

Northern Hire Group have made every attempt to identify all reasonable foreseeable operating circumstances in preparing this assessment, however no guarantee as to the completeness of this Assessment is provided or implied.

You should always check any applicable legislation and make your own judgement about what action you may need to take to ensure you have complied with the law.

It is the responsibility of the Employer, Contractor, Operator(s) to assess and identify any site or operation specific hazard associated with the use of this equipment specifically applicable to the task to be carried out and to where the equipment is to be used or located. They must assess the risk potential for each of the identified hazards and ensure that all reasonably practicable steps are undertaken to ensure those risks are effectively controlled.

All operators must be trained and competent in the use of this plant and hold appropriate qualifications as required by applicable regulatory requirements.

Operators of the plant to which this Risk Assessment refers must read and understand the instructions for Use and Warnings contained in the Operator Manual, or supplied with this Assessment, prior to use.

All daily Pre-Start checks, Routine and Periodic Inspections, Maintenance and Repairs to this plant must be carried out in accordance with the requirements of applicable Australian Standards.

NOTES:	

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