



RISK CONTROL SAFETY

Client's Name: <b>NORTHERN HIRE GROUP</b>	RA No: <b>147050921</b>
Machine Make & Model: <b>DYNAPAC CA35D</b>	Date of assessment: <b>13 SEPTEMBER 2021</b>
Serial No: <b>B006548</b>	Equipment Type: <b>ARTICULATED SMOOTH DRUM ROLLER</b>
Asset/Rego No: <b>N/A</b>	Engine Hours: <b>4.9</b>
Quick Hitch (if Fitted): <b>N/A</b>	
Capacity Limits: <b>N/A</b>	
Certification of operator required: <b>Yes= ROLLER</b>	



Is the plant designed to perform the task as outlined in the scope? Yes  No

Has the plant been modified from the original condition? Yes  No

All identified action items closed out/addressed? Yes  No

Is the plant safe to operate? Yes  No

	STEP 1: Likelihood of Occurrence		STEP 2: Severity of Result				
	A	B	A	B	C	D	E
1. Expected To Occur (once per week)	H	H	H	H	H	M	M
2. Common (once per month)	H	H	M	M	M	L	L
3. Sometimes (once per year)	H	M	M	M	L	L	L
4. Rarely (once in < 20 years)	M	M	L	L	L	L	L
5. Highly Unlikely (once in > 20 years)	M	L	L	L	L	L	L

STEP 3:

	A	B	C	D	E
1	H	H	H	M	M
2	H	H	M	M	L
3	H	M	M	L	L
4	M	M	L	L	L
5	M	L	L	L	L

**STEP 4: Hazard Risk Assessment**

H = High Risk (INTOLERABLE: significant and urgent actions required: immediate Action)  
M = Medium Risk (ALARP: reduce risk to As Low As Reasonably Practicable)  
L = Low Risk (TOLERABLE: monitor and manage risk)



# STATIC PLANT HAZARD & RISK ASSESSMENT

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## General Notes

The Owner/Operator of the above Plant/Equipment should perform an inspection at regular intervals, that all procedures and control methods are maintained to an acceptable level where the level of risk to any person is increased. In particular when any alteration or modification is made to the Plant/Equipment, a review of both Control Methods and Documentation should be made.

A Plant Risk Assessment should be performed at regular intervals with a minimum of once per year.

## Confidentiality

Information obtained from the **owner/ operator** in the course of producing this report will be treated as confidential. It will not be used for any purpose other than for the production of this report.

## Disclaimer

This report has been prepared by **Viper Safety and Training P/L** for the purpose of determining compliance to the **National OH&S regulations of 2017**.

The contents of this report are intended only for use by the **owner/operator**. Whilst every effort has been made by **Viper Safety and Training P/L** to ensure the accuracy of this report **Viper Safety and Training P/L** will not be held responsible and extends no warranties as to the suitability of such information or for the consequence of its use. Likewise, **Viper Safety and Training P/L** will not be held responsible for actions taken by third parties as a result of information contained in this report. This report is not to be modified in any way unless done so by **Viper Safety & Training Pty Ltd**.  
**Viper Safety & Training Pty Ltd** will not be held accountable for any damage caused by operator error and/or mechanical/structural failures.  
**It is the duty of the operator to read and understand the operators manual.**

Brent Woll  
Assessor/Trainer


**ALL HAZARDS IDENTIFIED IN THIS DOCUMENT MUST BE RECTIFIED WITHIN 21 DAYS OF DATE LISTED ON THE FRONT OF THIS FORM  
IF FAULTS NOT RECTIFIED IN 21 DAYS THIS DOCUMENT BECOMES NULL AND VOID**

**THIS RISK ASSESSMENT DOCUMENT IS VALID FOR TWELVE (12) MONTHS FROM THE DATE OF ISSUE**



Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	RISK	CONTROL	SAFETY
<b>ENTANGLEMENT</b> Can anyone's, hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags or other materials become entangled with moving parts of the plant, or materials in motion? <b>FITTED IN ACCORDANCE WITH ASINZS 4024.1601: 2014</b>	Manufacturers Warning Decals	Y		All decals in operators cab			M
	Readable						
	Guards installed:	Y					
	Engine fan	Y					
	Belts & pulleys	Y					
	Warning Decals for Personal (i.e. loose clothing etc)	Y					
	Engine covers fitted	Y					
<b>CRUSHING</b> Can a person be crushed due to: ♦ Uncontrolled or unexpected movement of the plant or its load?	Neutral start switch fitted	Y					M
	Reversing/travel alarm	Y					
	Crush zone warning decal fitted	Y					
	Amber flashing beacon	Y					
	Pedal non-slip surface	Y					
	Controls have appropriate knobs	Y					
	Reversing camera fitted	Y					
	Reverse sensor or proximity alarm fitted		N/A				
	Rear view mirror	Y					
	Machine may suddenly reverse warning decal fitted	Y					
	Battery isolator fitted	Y					
	Battery isolator decal fitted	Y					
	Starter isolator fitted		N/A				
	Starter isolator decal fitted		N/A				
	Park brake operational	Y					
Park brake alarm fitted		N/A					
Tow point fitted		N/A					
Wheel nut indicators fitted	Y						
Wheel chocks supplied		N/A					
Emergency stops (if fitted)	Y		X3				
♦ Lack of capacity for the plant to be slowed, stopped or immobilised?							M



Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	Projected Risk Score
<ul style="list-style-type: none"> <li>The plant tipping or rolling over?</li> </ul>	Rops decal fitted to rops	Y			M
	Rops approved structure	Y			
	Fops approved structure	Y			
	Tops/Cops approved structure		N/A		
	Manufacturers designed cab		N/A		
	Emergency Exit Identified	Y			
	Emergency Exit vandal cover removed prior to operating. <b>Warning Decal Fitted</b>		N/A		
<ul style="list-style-type: none"> <li>Being thrown off or under the plant? <b>WARNING: The seatbelt on this machine may be out of date. Please check operator's manual for correct guidance and replace seatbelt if necessary (3 year limit on most machines)</b></li> </ul>	Seat belt fitted	Y			L
	Door fitted	Y			
	Door alarm fitted		N/A		
	Seat belt must be worn, warning decal fitted	Y			
	Operator Cabin fully enclosed	Y			
	Operator Area open		N/A		
	Guarding No visible signs of sharp objects	Y			
<b>CUT/STAB/PUNCTURE</b> Can anyone be cut, stabbed or punctured due to: <ul style="list-style-type: none"> <li>Coming into contact with sharp or flying objects?</li> <li>Coming into contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?</li> </ul>	<ul style="list-style-type: none"> <li>Safe work procedures in place</li> <li>Trained persons only</li> <li>Tag out procedures in place</li> </ul>	N		<p>To be implemented by owner/hirer</p> <p>To be implemented by owner/hirer</p> <p>To be implemented by owner/hirer</p> <p>To be implemented by owner/hirer</p> <p>To be implemented by owner/hirer</p> <p>To be implemented by owner/hirer</p>	L
	Safe work procedures in place	N			
	Safe work procedures in place	N			
	As above	N			
	As above	N			
	Safe work procedures in place	N			
	Safe work procedures in place	N			
<b>SHEARING</b> Can anyone's body parts be sheared between any two parts of the plant, or between a part of the plant and a work piece or structure?	<ul style="list-style-type: none"> <li>Safe work procedures in place</li> <li>Traffic management in place</li> <li>Supervision in place</li> </ul>	N			L
		N			

Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	RISK	CONTROL	SAFETY	Projected Risk Score
<b>FRICITION</b> Can anyone be burnt due to contact with moving parts or surfaces of the plant, or material handled by the plant?	<ul style="list-style-type: none"> <li>Safe work procedures in place</li> </ul>	N		To be implemented by owner/hirer				L
<b>STRIKING</b> Can anyone be struck by moving objects due to: <ul style="list-style-type: none"> <li>Uncontrolled or unexpected movement of the plant?</li> </ul>	<ul style="list-style-type: none"> <li>Safe work procedures in place</li> <li>Traffic management in place</li> <li>Supervision in place</li> </ul>	N		To be implemented by owner/hirer				M
<ul style="list-style-type: none"> <li>The plant, parts of the plant or work pieces disintegrating?</li> <li>Work pieces being ejected?</li> </ul>	<ul style="list-style-type: none"> <li>Safe work procedures in place</li> </ul>	N		To be implemented by owner/hirer				L
<ul style="list-style-type: none"> <li>Mobility of the plant?</li> </ul>	Guards installed: Engine fan guard Belts & pulley guards Keeper pins correct type	Y						M
	Glass safe operational condition	Y						M
	Reversing / travel alarm	Y						M
	Amber flashing beacon	Y						M
	Reversing decal fitted	Y						M
	Hazard & indicator lights fitted	Y						M
	Brake lights fitted			N/A				M
	Warning horn	Y						M
	Front and/or Rear work lights	Y						M
	Reflective siding fitted	Y						M
	UHF operator communication fitted	Y						M
	Leakage	Y						M
	All pipe clamps fitted	Y						M
High pressure warning decals	Y						M	
<b>High Pressure fluid</b> Can anyone come into contact with fluid under pressure due to plant failure or misuse	Electrical wire / overhead wires / obstructions decals fitted	Y		Addressed by JSA. (no go zone)				L
<b>ELECTRICAL</b> Can anyone be injured by electrical shock or burn due to: <ul style="list-style-type: none"> <li>The plant contacting live electrical conductors?</li> <li>Damaged or poorly maintained electrical leads and cables?</li> </ul>	Electrical cables and/or leads to be maintained to OEM specifications	Y						L



Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	RISK	CONTROL	SAFETY
							Projected Risk Score
◆ Damaged electrical switches?	Electrical switches to be maintained to OEM specifications	Y					L
◆ Lack of isolation procedures?	Battery isolator fitted	Y					L
◆ 12/24V jump point fitted			N/A				
<b>EXPLOSION</b> Can anyone be injured by explosion of gasses, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?		Y					M
Battery risk of explosion	Decal fitted	Y					
<b>SLIP/TRIP/FALL</b> Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to:		Y					L
◆ Uneven or slippery work surfaces?	Non slip surface		n/a				
◆ Poor housekeeping, eg. Debris in the vicinity of the plant, spillage not cleaned up?	Decal fitted	Y					L
◆ 3 points of contact warning decal fitted	Proper work platform	Y					L
◆ Lack of a proper work platform?	Proper stairs or ladders	Y					L
◆ Lack of proper stairs or ladders?	Guardrails or suitable edge protection	Y					L
◆ Lack of guardrails or suitable edge protection?	Non slip surface	Y					L
◆ Poor floor or walking surfaces, such as the lack of a slip resistant surface?	Systems in place to prevent falls and/or slippage	Y					
◆ Steep walking surfaces?							
<b>ERGONOMIC</b> Can anyone be injured due to:		Y					
◆ Poorly designed seating?	Seat in safe usable condition						
◆ Constrained body effort	Operational control levers & pedals in operator reach	Y					L
	Seat adjustment controls operational	Y					
◆ Operators controls	Operators controls identified	Y					L
	All labels are readable	Y					
<b>SUFFOCATION</b>	Engine fumes not excessive at high idle	Y					L



Hazard Type	Control Methods in Place	Yes / No	NA	Comments / Recommended Improvements	RISK	CONTROL	SAFETY
Can anyone be suffocated due to lack of oxygen or atmospheric contamination, refer to the Confined Spaces Regulations?	Door/window seals maintained	Y	NA				Projected Risk Score
<b>TEMPERATURE / FIRE</b> Can anyone come into contact with objects at high temperature?  <b>To be maintained &amp; tested to AS 1851-2012</b>	High mounted exhaust not easily accessible	Y					L
	Hot surface warning decal	Y					
	Hot hazardous exhaust decal	Y					
	Fire protection supplied	Y					
	Fire suppression system (if fitted)		n/a		TAGGED SEP 2021		
<b>THERMAL COMFORT</b> Can anyone suffer ill health due to extreme temperature or change of weather?  <b>Any window tinting shell be at a minimum of 35% VLT (visible light transmission)</b>	Ventilation	Y					L
	Air conditioning	Y					
	Window tinting fitted	Y					
<b>NOISE</b> Can anyone suffer ill health or hearing loss due to exposure to high noise levels?	High noise levels	Y					L
	Hearing protection supplied	N					
	Hearing protection warning decal	Y			To be implemented by owner/hirer		
<b>DOCUMENTATION</b>	<b>CAB TYPE:</b>						
	Operator's Manual	N					L
	Attachment instructions	N					
	Plant daily checklist in place	N					
	Maintenance records up to date	N					
				<b>ENCLOSED CAB</b> To be implemented by owner/hirer Must Be In Cab At All Times To be implemented by owner/hirer Must Be In Cab At All Times To be implemented by owner/hirer Must Be In Cab At All Times To be implemented by owner/hirer Must Be In Cab At All Times			

