

SP 5014TRX STUNDER GRINDER HAZARD EVALUATION



	QUESTION? CAN A PERSON BE INJURED?	HAZARD Y OR N?	What is the Hazard?	HAZARD RATING No.	If Rating No. is 15 or less What is the CONTROL?
A. 1.	ENTANGLEMENT 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?	Y	Wheel movement	23	Operator's Zone No Bystanders
B . 1.	CRUSHING Can anyone be crushed due to				
	a. Material falling off the plant?	N			
	b. Uncontrolled or unexpected moving of the plant or its load? Remote Control Option	Y	Inadvertent engagement of controls	21	Common Sense No Bystanders
	c. Lack of capacity for the plant to be slowed, stopped or immobilised?	N			
	d. The plant tipping or rolling over?	Υ	Use with Single Wheels High centre of gravity if on an unlevel surface	21	Must Use W/Dual Wheels Common Sense No Bystanders
	e. Part of the plant collapsing?	N			
	f. Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	Y	Inadvertent engagement of controls	21	Common Sense No Bystanders
	g. Being thrown off or under the plant?	N			
	h. Being trapped between the plant and material or fixed structures?	N	Inadvertent engagement of controls	21	Common Sense No Bystanders
	i. Other factors not mentioned? (Spectators must be kept away)				
C. 1.	CUTTING, STABBING & PUNCTURING? Can anyone be cut, stabbed or punctured due to				
	a. Coming in contact with sharp or flying objects?	Υ	Cutting Teeth	21	Safety Gear, No Bystanders
	b. Coming in contact with moving parts of the plant during testing, inspection, operations, maintenance, cleaning or repair of the plant?	Y	Cutting Teeth	21	Common sense No Bystanders
	c. The plant, parts of the plant or work pieces disintegrating?	Υ	Cutting Teeth	21	No Bystanders
	d. Work pieces being ejected?	Υ	Cutting Teeth	21	No Bystanders General & Routine Maintenance
	e. The mobility of the plant?	Υ	Cutting Teeth	21	No Bystanders Common sense
	f. Uncontrolled or unexpected movement of the plant?	Υ	Cutting Teeth	21	No Bystanders Common sense
	g. Other factors not mentioned? (Spectators must be kept away)				
D. 1.	SHEARING Can anyone's body parts be sheared between two parts of the plant, or material handled by the plant?	Υ	Cutting Teeth	18	Common sense No Bystanders
E. 1.	FRICTION Can anyone be burnt due to contact with moving parts or surfaces of the plant, or between a part of the plant and a work piece or structure?	Y	Engine Exhaust	20	Knowledge of Hot Surface Wear Gloves
F. 1.	STRIKING Can anyone be struck by moving objects due to :				
	a. Uncontrolled or unexpected movement of the plant?	Υ	Cutting Teeth	21	Safety Gear, No Bystanders Common sense
	b. The plant, parts of the plant or work pieces disintegrating?	Υ	Cutting Teeth	21	Safety Gear, No Bystanders
	c. Work pieces being ejected?	Υ	Cutting Teeth	21	Safety Gear, No Bystanders

e. Other factors not mentioned (Spectators must be kept away) G. HIGH PRESSURE SUBSTANCES 1. Can anyone come into contact with substances under high pressure, due to plant failure or misuse of the plant? Y. Fuel Tank Explosion 21 Hot Weather Vent plug Manually Vent, Safety Gear, No Bystance Use to plant failure or misuse of the plant? Wear proper Clothing Inspection of Area. D. The plant contacting live electrical conductors? Y. Grounding Interrupted D. The plant working in close proximity to electrical conductors? Y. Grounding Interrupted D. Damaged or poorly maintained electrical leads and cables? Y. Grounding Interrupted D. Damaged electrical switches? Y. Grounding Interrupted D. Proper Maintenance E. Damaged electrical equipment? Y. Grounding Interrupted D. Grounding Interrupted D. Proper Maintenance Proper Maintenance Proper Maintenance Proper Maintenance H. Water near electrical equipment? N. Fuel Tank Explosion Hydraulic Tank Hot Weather Vent Plugg Manually Vent Manually Vent		QUESTION? CAN A PERSON BE INJURED?	HAZARD Y OR N?	What is the Hazard?	HAZARD RATING No.	If Rating No. is 15 or less What is the CONTROL?
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K. ERGONOMIC 1. Can anyone be injured due to: a. Poorly designated seating? N		g. Collapse of supporting structure?	N			
Can anyone be injured due to: a. Poorly designated seating? N		h. Other factors not mentioned?				
	10.					
b. Repetitive body movement?		a. Poorly designated seating?	N			
5 5		b. Repetitive body movement?	N			

QUESTION? CAN A PERSON BE INJURED?	HAZARD Y OR N?	What is the Hazard?	HAZARD Rating No.	If Rating No. is 15 or less What is the CONTROL?
c. Constrained body posture or the need for excessive effort?	N			
d. Inadequate or poorly placed lighting?	N			
e. Lack of consideration given to human error or human behaviou	ır? Y	Unknown, Lazy, Cocky	24	Common Sense Supervision
f. Mismatch of the plan with human traits and natural limitations?	Y	Unknown, Under the Influence, Aged, Disabled, Tired.	24	Common Sense Supervision
g. Other factors not mentioned:				
SUFFOCATION Can anyone be suffocated due to lack of oxygen, or atmospheric contamination?	N			
 M. HIGH TEMPERATURE OR FIRE 1. Can anyone come into contact with objects at high temperature? 	Y	Engine Exhaust, Grinding Teeth immediately after grinding is finished	20	Knowledge of Hot Surfaces, eg. Grinding Teeth after grinding is finished, Gloves No Bystanders
N. OTHER HAZARDS1. Can anyone be injured or suffer ill health from exposure to:				
a. Chemicals?	N			
b. Toxic gases or vapours?	Υ	Engine Exhaust	21	Do Not Operate in Confined Spaces
c. Fumes?	Υ	Engine Exhaust	21	Do Not Operate in Confined Spaces
d. Dust?	Y	Human	20	Mask, Wet Area
e. Noise?	Y	Human Lack of Maintenance	20	Operator Presence Control Ear Protection, Maintenance
f. Vibration?	Y	Lack of Maintenance	20	Maintenance Operator Presence Control
g. Radiation?	N			
h. Other factors not mentioned?				

CALCULATION FOR RISK ASSESSMENT

For each identified hazard consider the maximum credible, not absolute worst case risk that may result and select from each of the following Lists

	Likelihood of Occurrence		
1	Expected to Happen		
2	Common		
3 Sometimes			
4	Rarely		
5	Highly unlikely		

3

	Severity of Result		
Α	Fatality		
В	B Permanent Disability		
C Lost Time Injury			
D	Medical Treatment		
E	First Aid Injury		

Plot the categories selected from 'Likelihood of Occurrence' and 'Severity of Result' onto the Hazard Rating Grid to determine the Hazard Rating Number.

eg. If we plot 4 and B on the Hazard Rating Grid, the Hazard Rating number will be 14.

HAZARD RATING GRID

Α	В	C	D	E
1	2	4	7	11
3	5	8	12	16
6	9	13	17	23
10	14	18	21	23
15	19	22	24	25

The Hazard Rating Number calculated for the risk assessment of an identified hazard is classified as follows:

a) Relatively High Risk 1 to 6b) Medium Risk 7 to 15

c) Relatively Low Risk 16 to 25 (acceptable risk)