

Form No: CRA031	Issue No: 1	Catena GENERAL RISK ASSESSMENT
Risk: Abrasive Wheels	Date: 01/23	


Company	Catena Inspection & Engineering Services Ltd		Location	Brookhill Road, Brookhill Industrial Est. Pinxton Nottinghamshire NG16 6NS				
Type of Assessment	Tick	Initial Assessment Date	Review Period (Months)	Planned Review Date	Assessed By			
Site Specific	✓	23/01/23	12	Refer to page 4	D M Peat CMIOSH			
Generic		Name of Supervisor / Person Responsible			Assessment Reference			
Review		Kat Moss			CRA031			
Persons at Risk		Person(s) Undertaking Task	✓	Other Site Staff	✓	Public		
Description of work activity being assessed		<i>Safe use and operation of Abrasive Wheels</i>						
Task / Hazard	1				Sev.	Lik.	R.R.	
Wheels Bursting					3	3	9	
					Risk (No Controls)			
					Medium			
Ref.	Control Measures Required				<i>Are the following controls in place</i>		Yes	No
a	Only authorised trained and competent personnel are to mount abrasive wheels						✓	
b	Ensure the wheel selected is appropriate to its application						✓	
c	Do not allow wheels to wear down excessively, avoid grinding on the sides of wheels, and refrain from stopping wheels by applying pressure to them						✓	
d	All new wheels must be run free for a minute with all other personnel standing clear						✓	
Residual Risk Assuming ALL controls in place					Low			
Task / Hazard	2				Sev.	Lik.	R.R.	
Electrocution					3	3	9	
					Risk (No Controls)			
					High			
Ref.	Control Measures Required				<i>Are the following controls in place</i>		Yes	No
a	All equipment must be fit for purpose and tested. Pre-use inspection should identify problems						✓	
b	After use, all equipment must be disconnected from their power source						✓	

Risk Selection Criteria

Severity Range	3 = Major	2 = Serious	1 = Slight
Likelihood	3 = High	2 = Medium	1 = Low

Risk Ratings

High	Medium	Low
9 - 7	6 - 4	3 - 1

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Task / Hazard	3	Sev.	Lik.	R.R.	
Excessive Noise		3	3	9	
		Risk (No Controls)			
		Medium			
Ref.	Control Measures Required	<i>Are the following controls in place</i>		Yes	No
a	Ear protection must be worn during abrasive wheel operations			✓	
Residual Risk Assuming ALL controls in place				Low	
Task / Hazard	4	Sev.	Lik.	R.R.	
Contact with Rotating Abrasive Wheel		3	2	6	
		Risk (No Controls)			
		Medium			
Ref.	Control Measures Required	<i>Are the following controls in place</i>		Yes	No
a	Ensure correct guarding is secured in place at all times			✓	
b	Rests for pedestal grinders are to be properly secured and adjusted so that they are as close as is practicable to the wheel			✓	
c	Before changing an abrasive wheel, ensure the power source is isolated			✓	
Residual Risk Assuming ALL controls in place				Low	
Task / Hazard	5	Sev.	Lik.	R.R.	
Eye Injury from Flying Particles		3	2	6	
		Risk (No Controls)			
		Medium			
Ref.	Control Measures Required	<i>Are the following controls in place</i>		Yes	No
a	Face Shields must be worn at all times during abrasive wheel operations. Screen around the work area will prevent other personnel being affected			✓	
Residual Risk Assuming ALL controls in place				Low	
Task / Hazard	6	Sev.	Lik.	R.R.	
Inhalation of Dust		2	3	6	
		Risk (No Controls)			
		Medium			
Ref.	Control Measures Required	<i>Are the following controls in place</i>		Yes	No
a	Local Exhaust Ventilation water suppression and respiratory protection to be used			✓	
Residual Risk Assuming ALL controls in place				Low	

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Task / Hazard	7	Sev.	Lik.	R.R.	
Vibration White Finger		2	3	6	
		Risk (No Controls)			
		Medium			
Ref.	Control Measures Required	<i>Are the following controls in place</i>		Yes	No
a	Abrasive Wheel Equipment is not to be used for prolonged periods			✓	
b	Regular breaks to be taken, and daily usage should not exceed manufacturer's recommendation and keep hands warm			✓	
c	Report any problems immediately			✓	
Residual Risk Assuming ALL controls in place				Low	
Task / Hazard	8	Sev.	Lik.	R.R.	
Fire		3	3	9	
		Risk (No Controls)			
		High			
Ref.	Control Measures Required	<i>Are the following controls in place</i>		Yes	No
a	Relevant fire extinguishers must be in the immediate vicinity			✓	
b	The area must be cleared of combustible materials before commencing work and check for signs of ignition when finished			✓	
Residual Risk Assuming ALL controls in place				Low	

OVERALL RISK OF CARRYING OUT THIS TASK		
Highest Risk Before Controls in Place	Highest Residual Risk after controls	If the Residual risk after control measures are in place, is HIGH
HIGH	LOW	DO NOT UNDERTAKE THIS TASK

Ref	Action(s) Required	Can task continue		Date Actioned	Initial
		Yes	No		













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PPE Requirement (Please ✓) Refer to PPE assessment for PPE Standards								
								
Hard Hat	Safety Glasses	RPE	Ear Defenders	Overalls	Hi Vis Vest	Gloves	Barrier creams	Foot Protection
		If required	If required	✓	✓	✓	✓	✓
								
Safety Harness	Safety Goggles							
	✓							

SIGN OFF					
Author			Catena Inspection & Engineering Services Ltd.		
Print Name	Signature	Date	Print Name	Signature	Date
D M Peat		23/01/23			

ASSESSMENT REVIEW					
Author			Catena Inspection & Engineering Services Ltd.		
Print Name	Signature	Date	Print Name	Signature	Date
D M Peat		17/01/24			
D M Peat		16/01/25			

BRIEFING RECORD					
<p><i>I confirm that I have read / I have had the contents of this risk assessment explained to me. I confirm that I agree to work to the requirements of this assessment, and I will use all control measures identified in this assessment. I will also raise any concerns to my line Manager / Supervisor if this risk assessment requires amending to suit any unforeseen circumstances.</i></p>					
Date	Print Name	Signature	Date	Print Name	Signature

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SEVERITY RATINGS	
Slight (Marginal)	The hazard may either be controlled, or would commonly result in less than minor, illness, injury or system damage.
Serious (Moderate)	The hazard may commonly cause severe injury or illness or major system damage, requiring immediate corrective action.
Major (Critical)	The hazard may commonly cause death or major system loss, requiring immediate cessation of the unsafe activity or operation.

LIKELIHOOD RATINGS	
Low (Improbable)	Unlikely but possible to occur during standard operations
Medium (Occasional)	Likely to occur sometime during standard operations
High (Probable)	Likely to occur often during standard operations

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