

Risk Assessment

RA043 - Vibration at Work



ABI Equipment Ltd	Creation Date: 13/01/22
Vibration at Work	

Main Hazards are:	
Hand-arm vibration (HAV)	Carpel Tunnel Syndrome (CTS)
Tools causing injury when parts are ejected due to the vibration	
Persons / Property affected	
Workshop Employees	General Public

Assessment of Risk:	Severity	3	X	Likelihood	5	= Risk	15
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Control Measures already in Place	PPE Required
1. Low vibration tools to be used wherever possible	Safety helmets <input type="checkbox"/>
2. All handheld tools are annually PAT tested	Hi-Vis Jackets <input type="checkbox"/>
3. All tools are suitable for the job in hand	Safety footwear <input checked="" type="checkbox"/>
4. All tools are visually inspected before use	Eye protection <input checked="" type="checkbox"/>
5. All damaged tools to be reported and removed from use	Dust masks <input type="checkbox"/>
6. All cutting tools to be kept sharp so they remain efficient	Ear plugs <input type="checkbox"/>
7. All tools to be stored inside so handles are not cold	Earmuffs <input checked="" type="checkbox"/>
8. Employees to wear correct PPE and to wear warm, waterproof clothing as appropriate	Gloves <input checked="" type="checkbox"/>
9. Time using hand tools in one go to be limited (other jobs to be done in between)	Protective overalls <input checked="" type="checkbox"/>
10. Gripping hard or applying force to the tool should be avoided	Gauntlets <input type="checkbox"/>
11. Employees should try to give up or cut down on smoking as this reduced blood flow to the extremities	Harnesses <input type="checkbox"/>
12. Employees to report any early signs of HAV	Breathing apparatus <input type="checkbox"/>
13. Employees to report any tool that shows sign of wear & tear or excess vibration	Face masks <input type="checkbox"/>
14. Employees to be trained in the use of the hand tools	
15. Employees to be trained how to recognise and reports symptoms of HAV or CTS	

Assessment of Risk:	Severity	3	X	Likelihood	3	= Risk	9
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Additional Controls required	PPE/Equipment
Employees to be trained to understand HAV (see hand out) Employees trained to notice the first signs of HAV <ul style="list-style-type: none"> Tingling & numbness in fingers Not being able to feel things with fingers Loss of strength in hands Tips of fingers going white then red with pain when cold and wet 	
The company to engage a third party to examine and measure the vibration of hand tools every year	
The employee must be adequately trained and competent to operate the handheld tools or equipment they are to use.	
Newly trained staff should be supervised until a suitable level of competency has been achieved.	

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Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Cathy Sheehan	14/01/2022
Updated by	Ash Soliman	04/10/2024
Review by:	Ash Soliman	04/10/2024

RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	13/02/
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

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