

6951 Westminster Highway, Richmond, BC  
 Mailing Address: PO Box 5350 Stn Terminal, Vancouver BC, V6B 5L5  
 Telephone 604 276-3100 Toll Free 1-888-621-7233 Fax 604 276-3247

The *Workers Compensation Act* requires that the employer must post a copy of this report in a conspicuous place at or near the workplace inspected for at least seven days, or until compliance has been achieved, whichever is the longer period. A copy of this report must also be given to the joint committee or worker health and safety representative, as applicable.

<b>Inspection Report #202416973060A</b>		
Employer Name	Jobsite Inspected	Scope of Inspection
THE UNIVERSITY OF BRITISH COLUMBIA	2356 MAIN MALL HECTOR J. MacLEOD BLDG VANCOUVER BC V6T 1Z4	lockout

Date of Initiating Inspection	Date of This Inspection	Delivery Date of This Report	Delivery Method
Jun 21, 2024	Jun 21, 2024	Jun 27, 2024	Email

**THERE ARE TWO (2) ORDERS OR OTHER ITEMS OUTSTANDING**

**ACTION REQUIRED**

<b>Summary of Orders or other Items</b>		
See "Orders/Items – Full Details" section of this Inspection Report for orders/items cited		
Order/Item No.1 <input type="checkbox"/>	Status: <b>Outstanding</b>	Cited: <b>OHS19.36(10)</b>
Order/Item No.2 <input type="checkbox"/>	Status: <b>Outstanding</b>	Cited: <b>OHS4.41</b>

<b>ORDER STATUS LEGEND</b>	
Order Status	Description
Outstanding	Order Outstanding - Action Required to Achieve Compliance
Complied	Compliance Achieved - No Further Action Required
Closed	Order is Closed
Rescinded	Order has been cancelled - No Further Action Required

## INSPECTION NOTES

This inspection report is in response to an incident on June 21, 2024 at this workplace. Refer to inspection report #202416973059A for additional information. The *Workers Compensation Act* and the Occupational Health and Safety Regulation were used as a bases for compliance.

On June 21 and 24, 2024, the employer provided information in emails, to this officer, related to the incident and the horizontal metal band saw that was involved in the incident.

### **I. INCIDENT INFORMATION - Update**

On June 24, 2024, this officer spoke by phone, to an employer representative regarding the incident. They clarified that the worker was attempting to remove metal chips (debris) under or around the moving blade on the band saw when the blade came in contact with the worker's finger.

### **II. SAFE WORK PROCEDURES INCLUDING LOCK OUT PROCEDURES - Order #1**

The employer provided the manufacturer's manual for the horizontal metal band saw (*SJ 10.12.15 Service Manual, Horizontal Bandsaw*) to this officer. On review of the manufacturer's manual, this officer noted there is minimal information related to safe work procedures that includes lockout procedures as required in the Regulation. The employer was unable to provide these written procedures when requested. As such, order #1 is issued.

### **III. WASTE MATERIAL - Order #2**

Accumulation of waste material (metal chips) was observed on the floor and in the horizontal metal band saw. As such order #2 is issued. This officer noted that the manufacturer's manual states as a *Safety Suggestion: Before Leaving the Machine, Make Sure the Work Area is Clean.*

### **IV. SAFEGUARDING**

The employer is referred to the general requirements for safe guarding found in sections 12.1- 12.4 of the Regulation.

The terms "guarding" and "safeguarding" tend to be used interchangeably, but they have precise meanings in the language of machinery and equipment safety. Safeguard is the umbrella term for a number of measures that provide workers with effective protection from harmful contact with hazardous moving parts or other harmful conditions.

Safeguards include the use of a guard, a safety device, a shield, an awareness barrier, warning signs, or other appropriate means, used singly or in combination to provide effective protection to workers from hazards.

Guard and barrier guard refer to a specific type of safeguard. Guards are physical barriers or covers designed, constructed, and installed over moving parts to prevent any contact with them. Guards are the simple solution to protecting workers when access to moving parts, such as belts and drive chains, is not required during operation. They are reliable and cost-effective, and require low maintenance when properly designed and installed.

Safeguarding devices include a number of alternatives to barrier guards, such as interlocked movable barrier guards, two-hand controls, and electronic presence-sensing devices such as light curtains and pressure-sensitive mats. These solutions are more complex and technical but may be the only solution when access to danger areas is required during normal operation, such as when materials are fed into a machine for processing.

### **V. GENERAL DUTIES - Employers, Workers, Supervisors**

The following is a summary of the general duties found in sections 21 to 23 of the Act:

- a) The employer is responsible for ensuring the health and safety of workers during the performance of their work tasks. This includes the development and implementation of policies and procedures that address hazards found in the workplace. Part of the employer's general duties is to ensure workers are trained, instructed and supervised in such policies and procedures.
- b) Workers are responsible for taking reasonable care to ensure their own health and safety, and the health and safety of other persons who may be affected by their work. They are not permitted to deviate from or refuse to follow established safe work procedures that are required by the Regulation. If a worker believes the safe work procedure poses a hazard to themselves, they must immediately inform their employer so that the employer investigates it in accordance to section 3.10 of the Regulation.
- c) A supervisor must have knowledge regarding their general duties and how to implement such duties. If a supervisor is not knowledgeable of their legal responsibilities, they will be unable carry out their role as a supervisor in addressing the regulatory requirements found in the Act and Regulation. This lack of knowledge may place a worker at risk of injury.

The employer must ensure that any worker who operates the horizontal metal band saw, is instructed, trained and supervised in how to operate it safely, including how to lock out the band saw when required.

**Note:**

The employer is reminded that the orders found in this inspection report, apply to the horizontal metal band saw; however, they must ensure that all equipment and machinery situated in the workplace, have safe work procedures that include lockout procedures. Additionally, the employer must ensure that workers who may operate the equipment and machinery are knowledgeable in how to use each machine and equipment in a safe manner.

Refer to Resources, Regulation Referenced Section and order text for additional information.

**VI. RESOURCES**

<https://www.worksafebc.com/en/health-safety/tools-machinery-equipment/safeguarding>

<https://www.worksafebc.com/en/resources/health-safety/books-guides/safeguarding-machinery-equipment-bk101?lang=en>

**VII. PLAN**

The employer will submit the Notice of Compliance and the supporting documents to this officer by July 24, 2024. Additionally, the employer will provide evidence that they have instructed any worker who may use the horizontal metal band saw in how to safely operate it, including lock out procedures.

Additional information may be found on the WorkSafeBC website:

<http://www.worksafebc.com>

Please contact this officer if you have any questions.

Laura Gibbins, CRSP, BScN  
Occupational Safety Officer  
WorkSafeBC - Prevention Field Services  
Phone: 604-244-6479  
E-mail: [laura.gibbins@worksafebc.com](mailto:laura.gibbins@worksafebc.com)

To report a serious accident/incident call 604.276.3100 or 1.888.621.7233 toll-free within B.C. To report after hours health and safety emergencies call 1.866.922.4357.



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**INSPECTION REPORT**  
**Worker and Employer Services Division**  
**202416973060A**

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**ORDERS/ITEMS**

**An employer who fails to comply with Occupational Health and Safety ("OHS") provisions of the *Workers Compensation Act*, the Occupational Health & Safety Regulation, or WorkSafeBC orders may be subject to monetary or other sanctions as prescribed by the *Workers Compensation Act*.**

**Orders/Items - Full Details**

Order/Item No.1 <input type="checkbox"/>	Status: <b>Outstanding</b>	Cited: <b>OHS19.36(10)</b>
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Written safe work procedures have not been developed for the use of horizontal metal band saw (Serial #12067, Lian Feng Style #LF-BS12SP) operated by a control system, including lockout procedures as required by the Occupational Health and Safety Regulation as evidence of, the employer was unable to provide such procedures when requested.

This is in contravention of the Occupational Health and Safety Regulation Section 19.36(10).

Written safe work procedures must be developed for the use of equipment operated by a control system, including lockout procedures as required by the Occupational Health and Safety Regulation.

Measures to Ensure Compliance:

The employer must submit safe work procedures that include lockout procedures, to this officer by July 24, 2024.

Order/Item No.2 <input type="checkbox"/>	Status: <b>Outstanding</b>	Cited: <b>OHS4.41</b>
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Refuse, spills or waste materials have been allowed to accumulate so as to constitute a hazard. Specifically, on the floor and on the horizontal band saw, metal chips were observed to accumulate on these surfaces.

This is in contravention of the Occupational Health and Safety Regulation Section 4.41.

Refuse, spills and waste material must not be allowed to accumulate so as to constitute a hazard.

Measures to Ensure Compliance:

The employer must send an email to this officer by July 24, 2024, with steps taken to comply this order

## REFERENCES

**In addition to any orders, or other items, and the information provided in the Inspection Notes section in this Inspection Report, the officer may discuss other health and safety issues with the employer arising out of the inspection. The information below sets out the health and safety requirements discussed with the employer, and unless otherwise noted, violations of these requirements were not observed.**

Reference	Details Discussed
<p><b>OHS19.36(8)</b></p> <p>The employer must ensure there is up-to-date documentation which is readily available to affected workers describing the design, installation, operation and maintenance of a control system.</p>	Refer to inspection text
<p><b>OHS10.11</b></p> <p>The application of a lock is not required under section 10.3 or 10.10 if:</p> <p>(a) the energy isolating device is under the exclusive and immediate control of the worker at all times while working on the machinery or equipment, or</p> <p>(b) a tool, machine or piece of equipment which receives power through a readily disconnected supply, such as an electrical cord or quick release air or hydraulic line, is disconnected from its power supply and its connection point is kept under the immediate control of the worker at all times while work is being done.</p>	Refer to inspection text
<p><b>OHS10.3(1)(a)</b></p> <p>If machinery or equipment is shut down for maintenance, no work may be done until all parts and attachments have been secured against inadvertent movement.</p>	Refer to inspection text
<p><b>OHS10.3(1)(b)</b></p> <p>If machinery or equipment is shut down for maintenance, no work may be done until, where the work will expose workers to energy sources, the hazard has been effectively controlled.</p>	Refer to inspection text
<p><b>OHS10.3(1)(c)</b></p> <p>If machinery or equipment is shut down for maintenance, no work may be done until the energy isolating devices have been locked out as required by this part.</p>	Refer to inspection text

Reference	Details Discussed
<b>WCA21(2)(e)</b>  An employer must provide to the employer's workers the information, instruction, training and supervision necessary to ensure the health and safety of those workers in carrying out their work and to ensure the health and safety of other workers at the workplace.	Refer to inspection text.
<b>OHS12.2</b>  Unless elsewhere provided for in this Occupational Health and Safety Regulation, the employer must ensure that machinery and equipment is fitted with adequate safeguards which (a) protect a worker from contact with hazardous power transmission parts, (b) ensure that a worker cannot access a hazardous point of operation, and (c) safely contain any material ejected by the work process which could be hazardous to a worker.	Refer to inspection text

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Employer #	Mailing Address	Classification Unit #	Operating Location
11284	C/O WCB CLAIMS ADMINISTRATOR HUMAN RESOURCES 6TH FLOOR 6190 AGRONOMY RD VANCOUVER BC V6T 1Z3	765010	121

Lab Samples Taken	Direct Readings	Results Presented	Sampling Inspection(s)	Workers onsite during Inspection	Notice of Project Number
N	N	N			

Inspection Report Delivered To	Employer Representative Present During Inspection	Worker Representative Present During Inspection	Labour Organization & Local
Roberto Rosales	Roberto Rosales	Not Applicable	

WorkSafeBC Officer Conducting Inspection
Laura Gibbins

*Inspection Time	*Travel Time
3.50 hrs	0.00 hrs

\*The time recorded above reflects the inspection time and travel time associated with this inspection report and includes time spent on pre and post-inspection activities. Additional time may be added for subsequent activity.

### Request a Review

**Any employer, worker, owner, supplier, union, or a member of a deceased worker's family directly affected may, within 45 calendar days of the delivery date of this report, in writing, request the Review Division of WorkSafeBC to conduct a review of an order, or the non-issuance of an order, by contacting the Review Division. Employers requiring assistance may contact the Employers' Advisers Office at 1-800-925-2233.**

**To submit a request online, visit <https://www.worksafebc.com/en/review-appeal/submit-request>**

**WorkSafeBC values your feedback. To obtain that feedback, an external market research provider may be contacting you to complete a survey.**

WorkSafeBC's online services provide employers with tools to view information and to complete a variety of transactions with us in an easy, fast, and secure way. Through an online services account, you can view and download your inspection reports and compliance agreements, submit Employer Incident Investigation Reports, view your Health & Safety Planning Tool Kit, and more. Visit [worksafebc.com](https://www.worksafebc.com) to log in or create an account.