

OSHA-Status Report

Citations-Trades & Industry Division

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Citation 01 Item 001

29 CFR 1910.24(f):

Fixed Stairs did not have uniform rise height and tread width throughout the flight of stairs:

The rise height of treads on a fixed stair in the WETT Lab were not uniform throughout the flight of stairs.

Status:

- The stairs have been removed and scrapped.
- Temporary gate and sign have been added.
- New OSHA compliant stairs will be ordered before Fall semester begins.



Citation 01 Item 002

29 CFR 1910.110(e)(f)(iii):

LP gas container(s) installed on internal combustion engine vehicles were not securely mounted to prevent jarring loose, slipping, or rotating:

A 25 Komatsu forklift in the MHTT Lab was not equipped with an alignment pin to prevent the propane tank from rotating.

Status:

- A new pin has been mounted in place.



Citation 01 Item 003

29 CFR 1910.147(c)(4)(i):

Procedures were not developed, documented and utilized for the control of potentially hazardous energy when employees were engaged in activities by this section.

Machine specific lockout tagout procedures had not been developed for equipment including Timesaver Belt Sander in the Carpentry area. The procedures shall clearly and specifically outline the scope, purpose, authorization, rules, and techniques to be utilized for the control of hazardous energy, and the means to enforce compliance.

Status:

- Lockout tagout procedures are in development



Citation 01 Item 004

29 CFR 1910.147(c)(6)(i):

The employer did not conduct a periodic inspection of the energy control procedure at least annually to ensure that the procedure and the requirement of this standard were being followed.

A periodic inspection of the energy control procedures for the timesaver Belt Sander in the Carpentry Lab was not being conducted.

Status:

- Inspection schedule is in process of being developed.
- Machine and 3 hazardous energy controls have been locked out and tagged out until proper procedures are in place.



Citation 01 Item 005

29 CFR 1910.151(c):

Where employees were exposed to injurious corrosive materials, suitable facilities for quick drenching and flushing of the eyes and body were not provided within the work area for the immediate emergency use.

A suitable eyewash and shower were not provided in the mechanical design room where corrosive chemical named Stratasys Soluble Concentrate was being used.

Status:

- Mechanical Design machine and chemical have been moved to the Welding Lab next to a suitable eyewash station.
- This set-up will be used from this point forward and is not temporary.



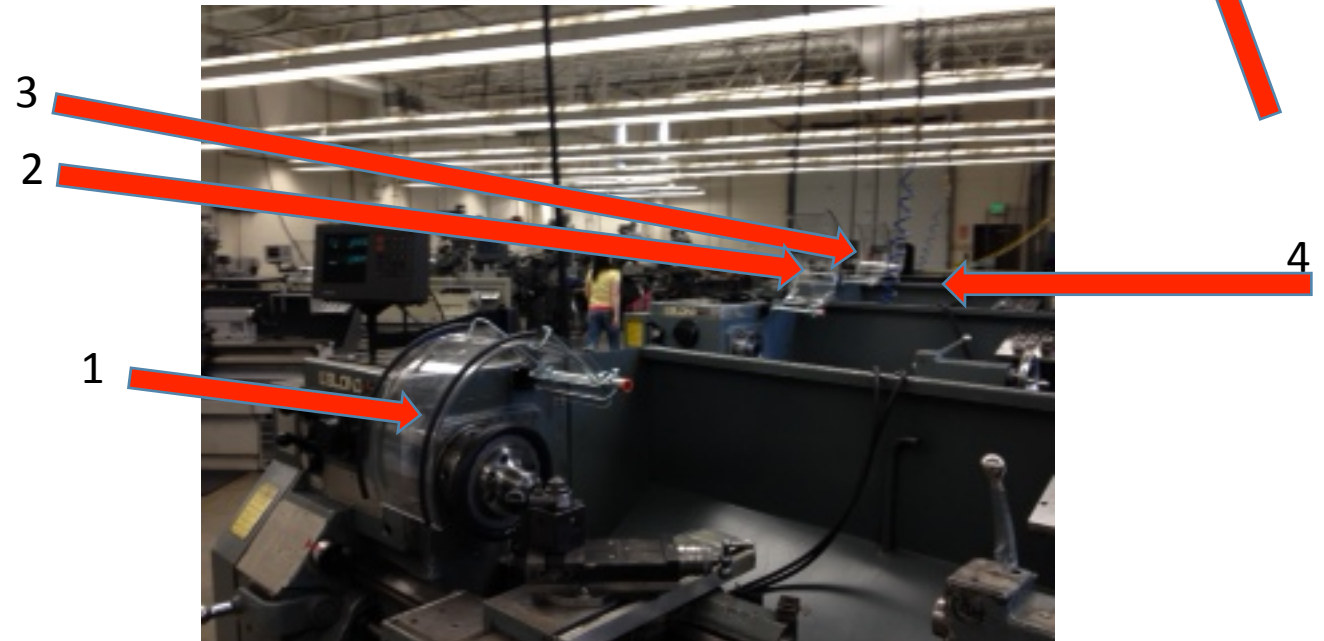
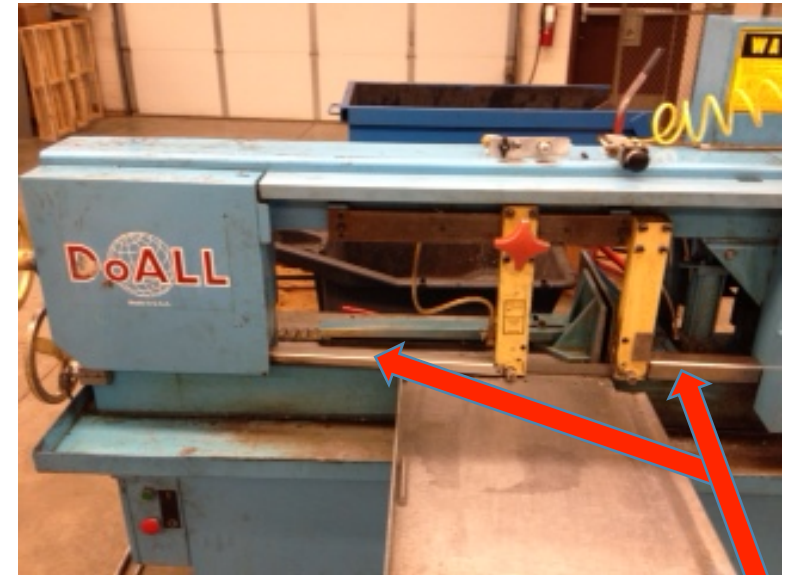
Citation 01 Item 006 29 CFR 1910.212(a) (1):

Machine guarding was not provided to protect operators and other employees from hazards created by moving machinery parts.

Machines were not equipped with guarding over moving parts or ingoing nip points including.

Status:

- a. DoAll Horizontal Bandsaw in Machine Tool Lab - proper guarding now in place.
- b. 4 Leblond and 1 DoAll Lathes in Machine Tool Lab – proper guarding now in place
- c. 3 Ickler Belt Sanders in Welding Lab – proper guarding now in place
- d. Cincinnati Gear Cutter in Machine Tool Lab – machine has been removed and sold



Citation 01 Item 007

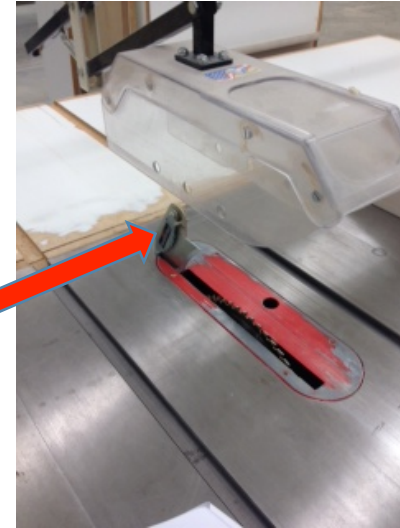
29 CFR 1910.213(c)(2):

Hand-fed circular ripsaw(s) were not furnished with a spreader to prevent material from squeezing the saw or being thrown back on the operator.

Rockwell Unisaw table saw and 2 Jet table saws in the Carpentry Lab area used for ripping wood boards were not equipped with a spreader device.

Status:

- Spreaders on all 3 machines are now in place and must stay there permanently.



Citation 01 Item 008

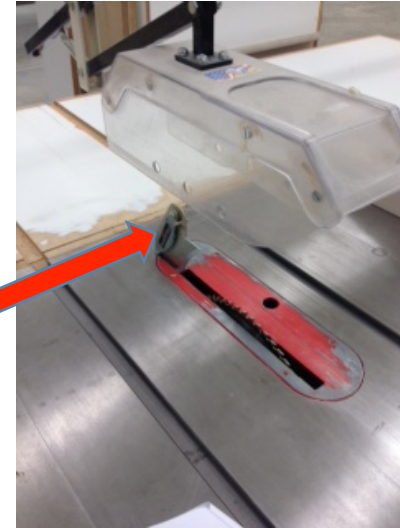
29 CFR 1910.213(c)(3):

Hand-fed ripsaw(s) did not have non-kickback fingers or dogs so located as to oppose the thrust or tendency of the saw to pick up the material or to throw it back toward the operator.

Rockwell Unisaw table saw and 2 Jet table saws in the Carpentry Lab area used for ripping wood boards were not equipped with a non-kickback fingers.

Status:

- Non-kickback fingers on all 3 machines are now in place and must stay there permanently.



Citation 01 Item 009

29 CFR 1910.213(p)(4):

Belt sanding machinery was not provided with a guard at each nip point where sanding belt ran onto a pulley, to prevent the operator's hands or fingers from coming into contact with nip points.

Ritter Belt Sander in Carpentry area used to sand wood products was not equipped with a guard at each nip point.

Status:

- Machine has been locked out and tagged out until proper guarding is in place.
- Proper guarding on one end has been installed.
- Guarding on opposite end needs to be fabricated.



Citation 01 Item 010

29 CFR 1910.215(a)(4):

Work rests on grinding machinery were not adjusted closely to the wheel with a maximum opening of 1/8 inch; and tongue guards were not adjusted closely to within 1/4 inch of the constantly decreasing diameter of the wheel.

1 abrasive wheel grinder in the MHTT Lab and 1 abrasive wheel bench grinder in the ABCT Lab did not have tool rests adjusted to within 1/8 inch of the abrasive wheel and tongue guards adjusted to within 1/4 inch of the abrasive wheel.

Status:

- Both machines have been locked out and tagged out until proper adjustments are made.
- Proper adjustments need to be made or machines will be removed permanently.



Citation 01 Item 011

29 CFR 1910.219(c)(4)(i):

Unguarded projecting shaft end(s) did not present a smooth edge and end or projected more than one-half the diameter of the shaft.

2 projecting shaft ends on a Cincinnati Gear Cutter in the Machine Tool Lab that projected more than one half the diameter were not guarded.

Status:

- New nozzles have been installed.
- Air pressure needs to be checked on all lines.

Citation 01 Item 012

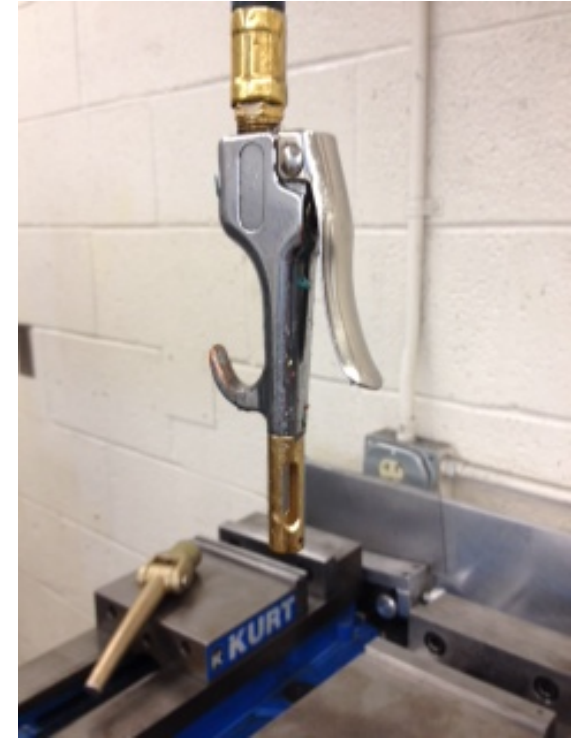
29 CFR 1910.242(b):

Compressed air used for cleaning purposes was not reduced to less than 30psi when dead-ended.

Compressed air nozzles used for cleaning purposes in Machine Tool Lab were not reduced to less than 30psi when dead-ended.

Status:

- Machine has been removed from SCTCC and sold.



Citation 01 Item 013

Minn. Rules 5205.0880:

Machines with point-of-operation, pinch-point, or nip-point hazards did not have motor start buttons physically protected against unintended operation.

1 Ickler belt sander in the Welding Lab had motor start toggles that were not guarded.

Status:

- Guarding has now been installed.



Citation 01 Item 014

Minn. Rules 5205.0890:

Barrier guards were not maintained on hydraulic presses where there was a possibility of materials being ejected from the press.

1 hydraulic press in the MHTT Lab and 1 hydraulic press in the WETT Lab used to press bearings were not provided with adequate barrier guarding.

Status:

- Guarding has now been installed on MHTT press.
- WETT Lab press has been removed from SCTCC and sold. MHTT will allow WETT to use their press in the future if needed.



Citation 02 Item 001

29 CFR 1910.23(e)(2):

The vertical height of a stair railing was installed between 34 and 30 inches from upper surface to top rail to surface of tread in line with face of riser at forward edge of tread.

Stair railing on a fixed industrial stairway leading up to a variable speed pump in the WETT Lab was not installed between 34 and 30 inches.

Status:

- The stairs have been removed and scrapped.
- Temporary gate and sign have been added.
- New OSHA compliant stairs will be ordered before Fall semester begins.



Citation 02 Item 002

29 CFR 1910.107(b)(9):

A clear space of not less than 3 feet was not kept free from storage on all sides of paint booth(s).

A paint booth in the ABCT Lab did not have 3 feet on all sides of the booth clear of stored items.

Status:

- Stored items have been removed.
- 3 feet of area is now clear of stored items on all paint booths.
- Floor tape has been ordered and will be added to floor within next week.

Citation 02 Item 003

29 CFR 1910.244(a)(1)(ii):

Rated load(s) of portable jack(s) were not legibly and permanently marked in a prominent location on the jack(s) by casting, stamping, or other suitable means.

2 floor jacks in the MHTT Lab and 2 floor jacks in the Auto Lab were not marked with load rating.

Status:

- All jacks with no load rating markings were removed from SCTCC and scrapped.
- Only jacks with proper markings remain in labs.



Citation 02 Item 004

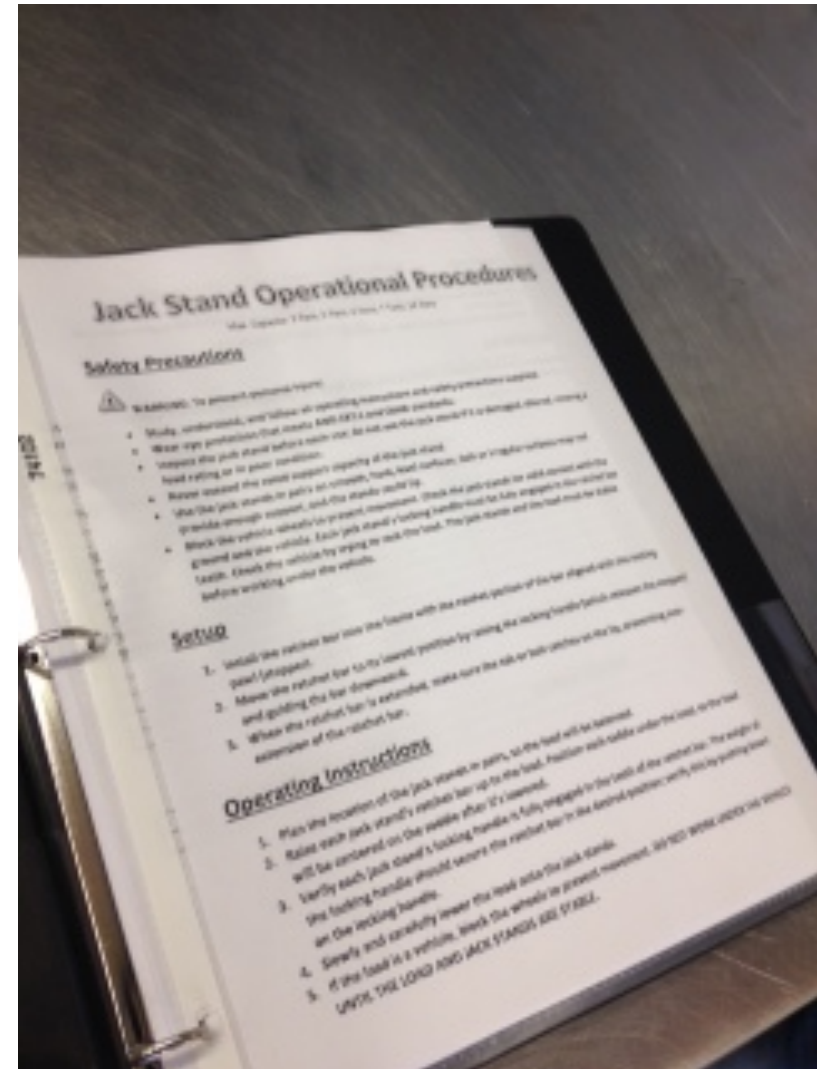
29 CFR 1910.244(a)(2)(vi):

Portable jacks were not inspected at times which depend upon service conditions as outlined in sub paragraphs a, b, c of the chapter.

Multiple jacks in the MHTT and Auto Labs were not being inspected.

Status:

- Operational and inspection procedures have been developed and are now in place.
- A timeline for inspections has been established.



Citation 02 Item 005

Minn. Rules 5205.0116 subp. 1:

The employer failed to monitor environmental exposure of employees carbon monoxide whenever internal combustion engine powered industrial trucks as defined in these regulations are operated indoors to ensure that carbon monoxide levels do not exceed an eight-hour time-weighted average of 35 parts per million and/or five-minute ceiling of 200 parts per million. The air monitoring shall be done at least quarterly and represent exposures during a day of highest usage in areas where employee carbon monoxide exposure is most likely.

Environmental monitoring of carbon monoxide was not being conducted in the welding shop where a propane powered industrial truck was being powered.

Status:

- Proper monitoring devices for lab and employees have been ordered and will be installed within next 2 weeks.