

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1130096
Inspection Date(s): 03/04/2016 - 05/20/2016
Issuance Date: 05/26/2016



Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 1 Item 1 Type of Violation: **Serious**

29 CFR 1910.134(e)(1): The employer did not provide a medical evaluation to determine the employee's ability to use a respirator, before the employee was fit tested or required to use the respirator in the workplace:

(a) Medical evaluations for required respirator use were not provided for probationary employees working in the Foundry departments, including but not limited to: Sutter, Melt, Maintenance, Core Room, Beta Set, and Shakeout. Respiratory protection was required in these areas for protection against exposure to crystalline silica.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated: 06/22/2016
Proposed Penalty: \$4950.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

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Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 1 Item 2 Type of Violation: **Serious**

29 CFR 1910.134(f)(2): Employee(s) using tight-fitting facepiece respirators were not fit tested prior to initial use of the respirator:

(a) Fit tests for required respirator use of tight-fitting respirators were not provided for probationary employees working in the Foundry departments including but not limited to: Sutter, Melt, Maintenance, Core Room, Beta Set, and Shakeout. Respiratory protection was required in these areas for protection against exposure to crystalline silica.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated: 06/22/2016
Proposed Penalty: \$6930.00

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Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 1 Item 3 Type of Violation: **Serious**

29 CFR 1910.134(k)(1)(vii): The employer did not ensure that each user could demonstrate knowledge of the general requirements of 29 CFR 1910.134:

- (a) Training regarding the fit testing requirements of 29 CFR 1910.134 were not provided by the employer to probationary employees working in the Foundry departments including but not limited to: Sutter, Melt, Maintenance, Core Room, Beta Set, and Shakeout. Respiratory protection was required in these areas for protection against exposure to crystalline silica.
- (b) Training regarding the medical evaluation requirements of 29 CFR 1910.134 were not provided by the employer to probationary employees working in the Foundry departments including but not limited to: Sutter, Melt, Maintenance, Core Room, Beta Set, and Shakeout. Respiratory protection was required in these areas for protection against exposure to crystalline silica.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated: 06/22/2016
Proposed Penalty: \$4950.00



Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 4 a Type of Violation: **Serious**

29 CFR 1910.1000 TABLE Z-3: 29 CFR 1910.1000(c): Employees were exposed to Crystalline Silica Quartz listed in Table Z-3, in excess of the calculated 8 hour Time Weighted Average (TWA) concentration:

- (a) On April 6, 2016, the Mold Maker working in the Beta Set Department was exposed to respirable dust containing 5.5% crystalline silica at an average concentration of 3.103 mg/m³ during 452 minute sampling period. This equated to an 8 hour TWA exposure of 2.922 mg/m³ which was approximately 2.19 times the permissible exposure limit of 1.333 mg/m³; this limit has been established to prevent silicosis. The 8 hour TWA calculation included a zero increment for the 28 minutes not sampled.
- (b) On April 6, 2016, the Shake Out worker in the Shake Out Department was exposed to respirable dust containing 5.8% crystalline silica at an average concentration of 1.769 mg/m³ during a 457 minute sampling period. This equated to an 8 hour TWA exposure of 1.684 mg/m³, which was approximately 1.31 times the permissible exposure limit of 1.282 mg/m³; this limit has been established to prevent silicosis. The 8 hour TWA calculation included a zero increment for the 23 minutes not sampled.
- (c) On April 6, 2016 the Grinder worker operating a swing grinder in the Cleaning Room was exposed to respirable dust containing 3.1% crystalline silica at an average concentration of 2.413 milligrams per cubic meter (mg/m³) during a 453 minute sampling period. This equated to an 8 hour TWA exposure of 2.277 mg/m³, which was approximately 1.16 times the permissible exposure limit of 1.961 mg/m³; this limit has been established to prevent silicosis. The 8 hour TWA exposure calculation included a zero increment for the 27 minutes not sampled.

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Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated:	07/01/2016
Proposed Penalty:	\$6930.00

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Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 1 Item 4 b Type of Violation: **Serious**

29 CFR 1910.1000(e): Feasible administrative or engineering controls were not determined and implemented to achieve compliance with the limits prescribed in 29 CFR 1910.1000(a) through (d):

(a) On April 6, 2016, the Mold Maker working in the Beta Set Department was exposed to respirable dust containing 5.5% crystalline silica at an average concentration of 3.103 mg/m³ during 452 minute sampling period. This equated to an 8 hour TWA exposure of 2.922 mg/m³ which was approximately 2.19 times the permissible exposure limit of 1.333 mg/m³; this limit has been established to prevent silicosis. The 8 hour TWA calculation included a zero increment for the 28 minutes not sampled.

(b) On April 6, 2016, the Shake Out worker in the Shake Out Department was exposed to respirable dust containing 5.8% crystalline silica at an average concentration of 1.769 mg/m³ during a 457 minute sampling period. This equated to an 8 hour TWA exposure of 1.684 mg/m³, which was approximately 1.31 times the permissible exposure limit of 1.282 mg/m³; this limit has been established to prevent silicosis. The 8 hour TWA calculation included a zero increment for the 23 minutes not sampled.

(c) On April 6, 2016 the Grinder worker operating a swing grinder in the Cleaning Room was exposed to respirable dust containing 3.1% crystalline silica at an average concentration of 2.413 milligrams per cubic meter (mg/m³) during a 453 minute sampling period. This equated to an 8 hour TWA exposure of 2.277 mg/m³, which was approximately 1.16 times the permissible exposure limit of 1.961 mg/m³; this limit has been established to prevent silicosis. The 8 hour TWA exposure calculation included a zero increment for the 27 minutes not sampled.

Abatement normally will be multi-step as follows:

Step 1: Submit to the Area Director a written, detailed plan of abatement outlining a schedule for implementation of engineering and/or administrative measures to control employee exposure to hazardous substance(s) referenced in this citation. This plan shall include, at a minimum, target dates

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

for the following actions which must be consistent with the abatement dates required by this citation:

1. Evaluation of engineering and/or administrative control options;
2. Selection of optimum control methods and completion of selected control measures;
3. Procurement, installation, and operation of selected control measures;
4. Testing and acceptance or modification /redesign of controls

Step 1: Abatement date is: July 7, 2016

Step 2: Abatement shall have been completed by the implementation of feasible engineering and/or administrative controls upon verification of their effectiveness in achieving compliance. All proposed control measures shall be approved for each particular use by a competent industrial hygienist or other technically qualified person.

Ninety (90) day progress reports are required during the abatement period.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated:

11/28/2016

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1130096
Inspection Date(s): 03/04/2016 - 05/20/2016
Issuance Date: 05/26/2016



Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 1 Item 5 Type of Violation: **Serious**

29 CFR 1910.1020(g)(1): The employer did not inform current employees upon their first entering into employment and at least annually thereafter, of the existence, location, and availability of any records covered by this section:

- (a) The employer has not informed employees on an annual basis of the existence, location, and availability of employee exposure records, including, but not limited to, air monitoring surveys performed in the foundry to evaluate exposure to silica.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated:
Proposed Penalty:

06/22/2016
\$6930.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 2 Item 1 Type of Violation: **Other-than-Serious**

29 CFR 1904.29(b)(1): A Log of all recordable work-related injuries and illnesses (OSHA Form 300 or equivalent), was not completed in the detail as required by the regulation.

- (a) The 2016 calendar year OSHA 300 form was not completed in the detail as required by the regulation in that no entries were made in column (M) to characterize whether the listed cases involved an injury or a type of illness.

Certification, with date and method of abatement required.

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated: 06/22/2016
Proposed Penalty: \$990.00

Citation 2 Item 2 Type of Violation: **Other-than-Serious**

29 CFR 1904.32(b)(6): 29 CFR 1904.32(b)(6): The Summary of Work-Related Injuries and Illnesses (OSHA Form 300A or equivalent) for the previous year was not posted between February 1 and April 30:

- (a) An inspection conducted on March 4, 2016 revealed the employer had not posted the Summary of Work-Related Injuries and Illnesses.

Date By Which Violation Must be Abated: Corrected During Inspection
Proposed Penalty: \$990.00

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Occupational Safety and Health Administration

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Citation and Notification of Penalty

Company Name: Motor Castings Company
Inspection Site: 1323 S 65th Street, West Allis, WI 53214

Citation 2 Item 3 Type of Violation: **Other-than-Serious**

29 CFR 1910.134(g)(1)(i)(A): Respirators with tight-fitting facepieces were worn by employees who had facial hair that came between the sealing surface of the facepiece and the face or that interfered with valve function:

(a) In Sutter Mold Assembly, an Assembly Line worker had facial hair that came between the sealing surface of the tight-fitting N95 respirator and the face.

Certification, with date and method of abatement required.

Certification of abatement is required by 29 CFR Part 1903 and is to be submitted within (10) calendar days after the abatement date.

Date By Which Violation Must be Abated:
Proposed Penalty:

06/02/2016
\$0.00

A handwritten signature in black ink, appearing to read "Christine Zortman", with a horizontal line extending to the right.

Christine Zortman
Area Director