



INDUSTRIAL SAFETY IDENTIFICATION Across All Industries

LOCKOUT TAG CODE COMPLIANCE

How do lockout tags from LEM Products, Inc. meet code compliance for OSHA CFR 1910.147 and ANSI Z535?

OSHA regulation for the control of hazardous energy (lockout/tagout):

1910.147(a)(1)

Scope

1910.147(a)(1)(i)

This standard covers the servicing and maintenance of machines and equipment in which the unexpected energization or start up of the machines or equipment, or release of stored energy, could harm employees. This standard establishes minimum performance requirements for the control of such hazardous energy.

1910.147(a)(3)

Purpose

1910.147(a)(3)(i)

This section requires employers to establish a program and utilize procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices, and to otherwise disable machines or equipment to prevent unexpected energization, start up or release of stored energy in order to prevent injury to employees.

1910.147(c)(5)(ii)

Lockout devices and tagout devices shall be singularly identified; shall be the only devices(s) used for controlling energy; shall not be used for other purposes; and shall meet the following requirements:

1910.147(c)(5)(ii)(A)

Durable.

1910.147(c)(5)(ii)(A)(1)

Lockout and tagout devices shall be capable of withstanding the environment to which they are exposed for the maximum period of time that exposure is expected.

1910.147(c)(5)(ii)(A)(2)

Tagout devices shall be constructed and printed so that exposure to weather conditions or wet and damp locations will not cause the tag to deteriorate or the message on the tag to become illegible.

Lockout Tags from LEM Products, Inc. are:

- **Printed on 15 mil rigid PVC**
- **Moisture resistant**
- **UV resistant**
- **Resistant to common corrosive chemicals including inorganic acids, alkalis and salts**
- **Service temperature range of -40°F to 180°F**
- **Optional clear polyester overlaminates protect written and printed information from UV light and moisture.**



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1910.147(c)(5)(ii)(A)(3)

Tags shall not deteriorate when used in corrosive environments such as areas where acid and alkali chemicals are handled and stored.

Lockout tags from LEM Products, Inc. are printed on 15mil PVC which is resistant to common corrosive chemicals including inorganic acids, alkalis and salts.

1910.147(c)(5)(ii)(B)

Standardized. Lockout and tagout devices shall be standardized within the facility in at least one of the following criteria: Color; shape; or size; and additionally, in the case of tagout devices, print and format shall be standardized.

All lockout tags from LEM Products, Inc. are formatted in compliance with ANSI Z535 for color and design.

1910.147(c)(5)(ii)(C)

Substantial -

1910.147(c)(5)(ii)(C)(1)

Lockout devices. Lockout devices shall be substantial enough to prevent removal without the use of excessive force or unusual techniques, such as with the use of bolt cutters or other metal cutting tools.

1910.147(c)(5)(ii)(C)(2)

Tagout devices. Tagout devices, including their means of attachment, shall be substantial enough to prevent inadvertent or accidental removal. Tagout device attachment means shall be of a non-reusable type, attachable by hand, self-locking, and non-releasable with a minimum unlocking strength of no less than 50 pounds and having the general design and basic characteristics of being at least equivalent to a one-piece, all environment-tolerant nylon cable tie.

LEM Products, Inc.'s lockout tags are constructed of 15 mil PVC with a metal eyelet and supplied with 8" self locking nylon ties to withstand 50 lbs. of pull force.

1910.147(c)(5)(ii)(D)

Identifiable. Lockout devices and tagout devices shall indicate the identity of the employee applying the device(s).

All LEM Products, Inc. lockout tags include a signature line. Our tags can be written upon with pen, pencil and permanent marker. Tags have the option for a self-laminating clear polyester cover.

1910.147(c)(5)(iii)

Tagout devices shall warn against hazardous conditions if the machine or equipment is energized and shall include a legend such as the following: Do Not Start. Do Not Open. Do Not Close. Do Not Energize. Do Not Operate.

Common Legends on LEM Products, Inc. lockout tags include: Do Not Operate, Do No Start, Do Not Enter, Do Not Close, Do Not Use, Equipment Locked Out. Customized legends can be quoted to meet the customers specific requirements.