



This safety resource was written for the recycled materials industry by the recycled materials industry and was developed to assist you in making your recycling operation a safe place for employees, customers, and visitors. This resource covers OSHA requirements that may or may not be applicable to your operation.

AUTOMOBILE COMPRESSOR

DEFINITION: A machine that crushes an automobile hulk by means of a hydraulically or mechanically driven roller or drop crushing device.

Potential Hazards:

- Dust
- High-velocity flying metal fragments
- Moving parts
- Noise
- Oil, motor or hydraulic fluids
- Pinch points
- Sharp objects/edges
- Swinging/suspended material

Guarding/Shielding:

- All shielding must be designed and constructed to stop high-velocity flying metal fragments, and positioned in such a manner as to protect any employee for whom such flying fragments might pose a hazard. This includes the crane operator's cab.
- Operators of equipment-lifting devices should be sufficiently distant to prevent being struck by a swinging or shifting load.
- Operational switches must be guarded in such a way as to prevent accidental activation.
- Power transmission parts such as gears, shafts and belts must be guarded to prevent accidental contact.

Protective Equipment:

Hard hat*

Safety glasses*

Steel toe/steel shank work boots*

Gloves Hearing protection

**minimum requirements*

Safety Procedures:

- You must develop written procedures for the operation of the equipment, based on manufacturer's recommendations.
- You must ground motors and other electrical equipment to prevent electrical shock or ignition of flammable or combustible materials.
- You must designate a safety zone where workers may stand while the equipment is being operated.
- You must keep suspended loads away from buildings, walking/working areas and power lines.
- You must keep emergency-stop controls within reach of operators at all times.
- Ground workers and crane/material handler operators must maintain positive contact at all times, whether visually, or via radio or other audible device.
- You must establish and document procedures to ensure that fuel tanks are empty, and that the vehicles do not contain other hazardous materials such as compressed gas cylinders.
- You must designate the use of non-sparking tools and pumps for removing gasoline from tanks and for disassembling the tanks themselves.