

Auto Shop Tire Changer Operations – Safe Work Procedure

Purpose: To provide SD 61 staff, with a list of procedures to ensure they are protected against potential hazards associated with Auto Shop Tire Changer Operations.

Hazards: Working with heavy materials, lubricants, flammable liquids, potential ignition sources, vapors, and other potential inhalation hazards inherent to the Auto Working processes. Hazards include pinch, crush, puncture, strain/sprain, inhalation, and struck by flying debris or objects.

WARNING: DO NOT use this machine unless you have been trained in its safe use and operation. Failure to comply could result in severe injury.

General Safety

- Never start work without proper authorization & training.
- **Personal Protective Equipment (PPE):** eye protection, including protective glasses or goggles, hearing protection (when equipment is in use) and long pants. Hearing protection can include earmuffs or ear plugs based on the sound level.
- Tie back hair, no loose clothing and no jewelry should be worn.

Before AUTO SHOP TIRE CHANGER OPERATIONS

- Ensure workspaces, and walkways are free and clear of clutter and debris. Tires shall not be inflated beyond the manufacturer's recommendation or a maximum of 40 PSI.
- Tires shall be completely deflated before adjusting the tire, rim or wheel being serviced.
- Remove and dispose of any bent, corroded, broke or cracked rims, wheel or rim or wheel components.
- Always replace damaged or leaky valves.
- Always use a safety cage when inflating tires with locking rings on the rim.
- Make sure guards are present, installed and working.
- Tool rests should be adjusted to within 1/8 in. of the wheels
- Locate and be aware of the operation of the ON/OFF switch or E-stop.
- Disconnect power supply before changing or adjusting tools and equipment.
- Follow correct clamping procedures to ensure work is secure.

During AUTO SHOP TIRE CHANGER OPERATIONS

- Never stand within the trajectory of the tire, rim or wheel components during the inflation process.
- Always use the proper tools for the type of rim or wheel being serviced.
- Never apply heat to a wheel or wheel component that I mounted to an inflated tire.
- Only mount tires on compatible wheels of matching bead diameter and width.
- Keep all covers and guards on the machine when it is on and in operation.
- Do not leave machine running while unattended.
- Shut OFF the power supply to the motor before mounting or removing accessories.

After AUTO SHOP TIRE CHANGER OPERATIONS have been completed

- Collect all waste/debris and place in appropriate containers.
- Inspect equipment to ensure no damage has occurred, guards and other devices are in good condition and in place. Record any damage as per the Technology Education Safety Manual.
- If equipment is damaged or inoperable follow lockout procedures.