

Lockout – Tagout Procedure



DANGER UNEXPECTED MACHINE MOVEMENT

The machine may move if:

- Hydraulic pressure is present.
- Electrical power is connected.
- Components are not mechanically secured.

Always:

- Shut down engine.
- Isolate battery.
- Bleed hydraulic pressure.
- Install mechanical locks.

The following procedures are intended to release pressurized oil, disconnect electrical power, and make the machine safe to begin repairs.



DANGER STORED ENERGY

Failure to isolate all energy sources can result in serious injury or death.

1. Park machine on level track.
2. Push the PARKING BRAKE button to apply the parking brakes.
3. Chock wheels to prevent accidental rolling of machine.
4. Place the workheads in the locked/travel positions.

If locking up components is not feasible for maintenance, lower the component to rest on the ground prior to working on the equipment.

5. Push the FUNCTIONS DISABLE button to the OFF position.
6. Turn the ignition switch to the OFF position.
7. Turn the battery disconnect switch to the OFF position.
8. Place a lockout/tagout device on the battery box and install a lock.
9. ***Follow all your company's lockout/tagout rules before proceeding.***

Hydraulic Pressure Release

1. Operate control levers to relieve residual pressure.
2. Verify gauges read zero.

Mechanical Locking

1. Install mechanical lock pins.
2. Block raised components.

Group Lockout

1. When multiple personnel are working, each person must apply their own lock.

Verification Step

After applying LOTO:

1. Attempt to start engine
2. Attempt to actuate workheads
3. Attempt propulsion
4. Confirm zero hydraulic pressure on gauges

Work must NOT begin until zero-energy state is confirmed.

Work Authorization

Only the person applying the lock may remove it.

Returning Machine to Service

1. Remove tools.
2. Reinstall guards.
3. Remove locks.
4. Announce restart.
5. Start engine.
6. Test functions.

