



Hi-Tech Hoist RP Series INSPECTION & MAINTENANCE

10.0 INSPECTION & MAINTENANCE

10.1 Daily

At The Ground Level, Check:

- The operation of all of the electrical interlocks, down travel limit switch and UP-DOWN buttons.
- The security of the base unit.
- The stability of the jacks. Ensure that they are snug against the ground.
- The foundation, planking, etc. Ensure that they are secure.
- All safety fences and gates. Ensure that they are in proper working order.

With The Hoist Raised About 5 Feet Off The Ground, Cut The Power & Inspect Under The Hoist For:

- Cracks or bent parts.
- Loose or missing nuts or bolts.
- Security of the connection between the bottom of the tower and the base.
- Operation of lower travel limit switch and ramp.

A Qualified Person Should Ride The Hoist At The Beginning Of The Work Day To Inspect The Following:

- Check for grooving of the tower by the rollers.
- Check all carriage rollers for damage, wear, binding, looseness, etc.
- Check all tower bolts for missing or loose items and tightness.
- Check all anchorage brackets and hardware.
- Check all cable guides for proper alignment and spring action.
- Check operation of the UP travel limit switch and security of the UP travel limit switch bracket.
- Check for free operation of the rocking pawl on the emergency brake (Item 5 in the Brake Assembly Diagram)
- Clean dust and dirt off of the motors and the control cabinet/main control cabinets, ventilation openings in ventilated motors, etc.
- Check the adjustment and condition of the travel limit switch arms. Check for proper operation of travel limit switches.
- Make sure that all machine/equipment guards are securely in place.
- Make sure that nothing is stored in front of the electrical enclosures; clear space requirements are usually the width of the enclosure (but at least 36") with 36" of depth in front of it. We recommend marking the floor with the clear space.

10.2 Monthly

Same as Daily Inspection, plus add spray lubricant (Open Gear Lube) to the rack and pinions (Grainger 4X595 or equivalent) as required.

10.3 Quarterly (Every 3 Months)

- Inspect the drive pinion for signs of wear. Remove any grease and dirt with solvent before inspection. Replace the drive pinion if **any** teeth show signs of wear or there is evidence of cracks or other damage.

