

# TOYO Ring Chain Electric Hoist / Lifting Machine Maintenance Checklist

Purpose: Ensure safe, reliable operation of electric chain hoists and lifting machines. Follow daily, weekly, monthly, and quarterly tasks to prevent downtime and extend equipment life.

## 1. Daily Inspection

Item	Checkpoints	Status (✓ / ✗)	Notes
Chain condition	Look for elongation, rust, cracks, or wear		
Chain lubrication	Verify chain is adequately lubricated; apply light oil if needed		
Gearbox noise	Listen for unusual friction or grinding sounds		
Chain container	Confirm proper installation, chain feeds smoothly		
Limit switches	Verify automatic stop functionality		
Load test (optional for light use)	No-load lifting operation		
Control handle & buttons	Check for proper operation, no sticking		

## 2. Weekly Maintenance

Item	Task	Status (✓ / ✗)	Notes
Chain cleaning	Remove dust/debris from chain		

Chain lubrication	Apply manufacturer-approved oil to load-bearing chain		
Chain wear inspection	Check elongation, cracks, rust		
Chain container	Confirm correct positioning, smooth feeding		
Gearbox	Check for leaks or abnormal noise		
Electromagnetic brake	Verify correct response		
Limit switches	Test stopping points		

### 3. Monthly Maintenance

Item	Task	Status (✓ / ✗)	Notes
Gearbox alignment	Check alignment with chain and motor		
Chain tension	Confirm correct tension per manufacturer specs		
Chain wear measurement	Compare with new chain specs		
Fasteners & bolts	Tighten all mechanical fasteners		
Safety inspection	Check IP55 protection, enclosure integrity		

### 4. Quarterly / Professional Inspection

Item	Task	Status (✓ / ✗)	Notes
Gearbox internal	Professional inspection; replace worn gears		

Chains	Replace if elongation exceeds tolerance		
Chain lubrication system	Inspect for proper function, reapply oil if needed		
Limit switches	Professional calibration		
Electromagnetic brake	Check functionality and wear		
Overall hoist	Comprehensive safety and operation audit		

## 5. Storage Guidelines

- Fully retract chain into chain container
- Store in clean, dry area
- Avoid corrosive environments
- Cover or protect the hoist when idle for extended periods

## 6. Notes & Observations

Date	Inspector	Observations	Action Taken

### Professional Tips

- Chain lubrication is critical: Regular oiling prevents wear, elongation, and gearbox damage.
- Always stop operation immediately if chain jamming or abnormal noise occurs.
- Keep a log of inspections to track wear and maintenance.
- Use only manufacturer-approved oil and replacement parts.