

/Preventive Maintenance Schedule — Overhead Crane

Monthly PM (Qualified Technician)

- Hook inspection (deformation, cracks, latch condition)
- Wire rope/chain condition (broken strands, wear, kinks, corrosion)
- Sheave rotation and wear
- Hoist drum rope spooling
- Limit switch verification
- Pendant/radio control function
- Festoon/cable track condition
- Trolley/bridge travel check

Technician Name: _____

Technician Signature: _____

Date: _____

Quarterly PM (Qualified Technician)

- All monthly PM items
- Brake inspection and functional test
- Motor brush inspection
- Gearbox oil level check and leak inspection
- Wheel and bearing wear
- Couplings, shafts, and keys inspection
- Runway and bridge alignment visual check
- Overload protection device test

Technician Name: _____

Technician Signature: _____

Date: _____

Semiannual PM (Qualified Technician)

- All monthly + quarterly items

- Full structural component check
- Electrical panel cleaning and terminal inspection
- End stops and bumper inspection
- Runway bolts/clips inspection
- Bearing and sheave lubrication
- Drive system gear wear check
- Motor and gearbox performance evaluation

Technician Name: _____

Technician Signature: _____

Date: _____

Annual PM (Qualified Technician)

- All lower-level PM items
- Annual load test per OSHA/ASME requirements
- Structural inspection
- Hook and load-bearing NDT (if required)
- Complete electrical system inspection
- Review and update of maintenance schedule

Technician Name: _____

Technician Signature: _____

Date: _____

Daily Crane Operator Visual Inspection Checklist — 15-Ton Overhead Crane

Date: _____

Operator: _____

Crane ID/Location: _____

Hook & Load Block

- ☐ Hook not bent or twisted
- ☐ No cracks or gouges
- ☐ Safety latch working
- ☐ Hook rotates freely

Wire Rope / Chain

- ☐ No broken strands or links
- ☐ No kinks, birdcaging, or crushed areas
- ☐ Proper seating in drum/sheaves
- ☐ No corrosion or excessive wear

Hoist Operation

- ☐ Smooth lifting and lowering
- ☐ No abnormal noise
- ☐ No load slipping or drifting
- ☐ Limits working during normal use

Trolley & Bridge

- ☐ Smooth travel (no binding)
- ☐ No abnormal vibration or noise
- ☐ Bumpers in place

Controls

- ☐ Pendant/remote functions correctly
- ☐ Emergency stop working
- ☐ No visible wire damage

Electrical / Mechanical

- ☐ No visible leaks
- ☐ Festoon/cable track moves properly

☐ No burning smell or hot spots

Environment / Safety

☐ Area below crane is clear

☐ Warning labels visible

☐ Load within rated capacity

Issues Found (Operator Notes)

Technician Resolution Sign-Off

Technician Name: _____

Corrective Action Taken:

Technician Signature: _____

Date: _____