



R&M Materials Handling, Inc.  
 4501 Gateway Boulevard  
 Springfield, Ohio 45502  
 ☎ : (937) 328-5100  
 FAX: (937) 325-5319

### 3 Crane inspection points

The inspection instructions that are specific to the hoist should primarily be applied when inspecting the hoist. The table below lists some general crane inspection points and inspection methods. The inspection interval for a crane in continuous duty is 1 week. Cranes in intermittent duty should be inspected before being used. The measurements to be taken at the inspection points are necessary if other methods do not produce an adequate result. If any defects or abnormalities are observed, they must be investigated and corrective action must be taken in accordance with the instructions specific to that device.

Structure/ component	Inspection point	Inspection method		
		Visual	Aural	Test by hand/ measure
Hoist	See the separate specification for specific hoist components in the Hoist Owner's Manual.			
Bridge travel machinery	Fastenings of travel machinery units	X		
	Operation of motors	X	X	X
	Operation of brakes	X	X	X
	Operation of gears	X	X	X
	Oil quantities in gearboxes			X
	Condition of rail wheels	X		
	Operation of limit switches	X		X
Trolley travel machinery	Fastenings of travel machinery units	X		
	Operation of motors	X	X	X
	Operation of brakes	X	X	X
	Operation of gears	X	X	X
	Oil quantities in gearboxes			X
	Condition of rail wheels	X		
	Operation of limit switches	X		X
Trolley power supply	Condition of cables	X		
	Condition of cable trolleys	X		X
	Condition and cleanness of cable support rails	X		
	Cleanness of equipment and devices	X		
	Condition of wiring in electrical cubicles	X		X
	Condition of cable seals	X		X
	Operation of delay relays	X	X	
Electrical cubicles	Operation of contactors	X	X	X
	Adjustment of over-current protectors	X		X
	Condition of fuses	X		
	Cleanness of starting resistors	X		
	Fastening of wiring to starting resistors	X		
	Operation and condition of main switch	X		X
Steel structure	Cleanness and removal of unnecessary objects	X		
	Condition of trolley travel rails	X		
	Condition of buffers and end stops	X		
	Condition and fastening of handrails	X		
Crane runway	Condition of crane runway	X		
	Condition of earthing	X		X
	Condition of crane current collectors	X		