



**Construction Plant-hire Association Tower  
Crane Interest Group**



***Tower Crane Technical Information Note***

**TIN 014**

**Pre-Erection Component Checks**

When erecting a tower crane it is essential that all components are thorough checked once they have been delivered to site and before they are incorporated into the crane structure. This ensures that damaged components with immediate safety implications are not used. It is also safer, easier and far less costly to replace or repair damaged items such as cab windows at ground level.

A suitable check list is attached to this TIN.

*TIN No.*

014

*Issue Date*

30.07.07

*Issue*

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Tower Crane Interest Group**

**Component Checks To Be Carried Out At Site Before Erection**

<b>Customer</b>		<b>Crane Type</b>	
<b>Site Address</b>		<b>Plant/Serial No.</b>	
		<b>Jib Length</b>	
		<b>Hook Height</b>	
<b>Job No.</b>		<b>Base details</b>	
<b>Date</b>			

<b>Erection Supervisor</b>		<b>Signature</b>	
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Item	To Be Fitted?	Serviceable Condition		Comments
		Yes/No	Checked By	
<b>Base Mounting</b>				
Fixing Angles				
Cruciform				
Travelling Base				
Rail Track				
Rail Clamps				
Anchor Pads/Jacks				
Central Ballast				
Duty Board				

<b>Tower</b>				
Cable				
Cable Supports				
Tower				
Tower Bolts/Pins				
Slewing Ring				
Slewing Section				
A Frame				
Ladders				
	Rung Spacing			
	Hoops			
Platforms				
	Guard Rails			
	Toe Boards			

Item	To Be Fitted?	Serviceable Condition		Comments		
		Yes/No	Checked By			
<b>Tower (cont.)</b>						
Cab						
Seat						
Heater						
Windows						
Wipers						
Lights						
<b>Jib</b>						
Stay Ropes or Tie Bars						
Trolley Ropes						
Trolley						
Trolley Basket						
Hook Block						
Radius Flags						
Jib Sections						
Head Sheave						
Bolts, Nuts & Pins						
<b>Counterjib</b>						
Counterjib Structure						
Stay Ropes or Tie Bars						
Guard Rails						
Toe Boards						
Decking (Gaps)						
Storage Locker						
Counter Ballast						
Bolts, Nuts & Pins						
<b>Machinery</b>						
Hoist Winch						
Luffing Winch						
Trolley Winch						
Travelling Drives						
Control Cabinets						
Cables, Plugs & Sockets						
Anemometer						
Control Desk						
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