



## Construction Plant-hire Association Tower Crane Interest Group



**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.

Component Checks to be Carried Out at Site Before Erection	
Customer:	Crane Type:
Site Address:	Plant/Serial No.
	Jib Length;
	Hook Height:
	Base details;
Job No:	Date:
Erection Supervisor:	Signature:

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				
Ladders: Hoops				
Platforms: Guard Rails				
Platforms: Toe Boards				
Cab: Seat				
Cab: Heater				
Cab: Windows				
Cab: Wipers				

Technical Information Note

Item	To Be Fitted?	Serviceable Condition		Comments
		Yes/No	Checked by	
<b>Tower (cont'd)</b>				
Cab: 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				