

**Crane Inspection report**

Customer: SBG-ABCD/CPC-REC Date: 23 - FEB - 2017  
 Site: HARAM EXP Project Crane: W355B  
 Serial no.: 31101013 Fleet no.:  
 Year of manufacture: 2010 TC (Site) no.: 48

**Crane data:** Hook height: 54m Working radius: 50m  
 Undercarriage → Type: Work no.  
 Cross frame element → Type: Work no.  
 Central ballast → Weight: t  
 Foundation anchor → Type: D140

Counterweight: 48T Hoisting winch:  
 Crane Operating Manual available  Yes  No

Subassembly:	Test report:			Description of defects:
	OK	Function ensured	unsatisfactory	
1.00 undercarriage cross frame element foundation anchors ✓				
1.10 travelling drive				N/A
1.11 traversing wheels				N/A
1.12 gears with fastening and oil filling				N/A
1.13 couplings				N/A
1.14 brakes				Gap on arrival: N/A Gap now:
1.15 motor				N/A





Subassembly:	Test report:	Description of defects:
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	OK	Function ensured	unsatisfactory	
31101013				
<b>3.00 tower top</b>				
<b>3.10 tower top lower-part</b>				
3.11 bolt connection to the crane-tower		✓		
3.12 pins	✓			
3.13 pin safety devices	✓			
3.14 borings		✓		
3.15 Bolt connection to the Slewing frame		✓		
<b>3.20 slewing ring</b>				
3.21 bolt connections (completeness, torque moments)		✓		
3.22 check lubrication		✓		
3.23 lubrication cylinder filled up	✓			
3.24 gear rim		✓		
<b>3.30 slewing part</b>				
3.31 slewing drive pinions		✓		
3.32 slewing drive brakes		✓		Gap on arrival: 0.55 mm Gap now: 0.55mm
3.34 slewing drive motor (s)		✓		
3.35 hoist/luffing pulleys		✓		imprint of Hoist Pulleys, Replace when Rope Replaced. 8+ at 47m
3.36 overload protection		✓		
3.37 limit switch function		✓		
3.38 adjustment		✓		
3.39 obstruction lights		✓		
<b>3.40 cabin</b>				
3.41 joysticks & switches	✓			
3.42 load capacity table	✓			
3.43 AC and heating	✓			
<b>3.50 mountings</b>				
3.51 mounting counter-jib	✓			
3.52 mounting jib	✓			
3.53 mounting cabin	✓			
<b>3.60 slip ring system</b>				
3.61 general condition		✓		
3.62 brushes and cables		✓		
<b>3.70 steel-girder construction (general condition)</b>				
3.71 welded seams		✓		
3.72 corrosion damages		✓		
3.73 form changes		✓		
<b>General conditions of the subassembly:</b>				<input type="checkbox"/> good <input checked="" type="checkbox"/> satisfactory <input type="checkbox"/> unsatisfactory

Subassembly:	Test report:	Description of defects:
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	OK	Function ensured	unsatisfactory	
31101013				
<b>4.00 counterjib</b>				
<b>4.10 bracing</b>				
4.11 pin connections	✓			
4.12 pin safety devices	✓			
<b>4.20 ballasting</b>				
4.21 arrangement of ballast	✓			
4.22 ballast holders/ ballast safety devices	✓	✓		
4.23 damages at the ballast	✓			
<b>4.30 handrails</b>				
4.31 handrails complete	✓			
4.32 fastening of handrails	✓			
4.33 handrail chains fitted	✓			
<b>4.40 winch platform</b>				
4.41 fastening the platform		✓		
4.42 hoisting rope fastening on the rope drum		✓		
4.43 hoisting rope		✓		Visible broken outer wires 6xd: _____ 30xd: _____
4.44 brake		✓		Gap on arrival: 30mm Gap now: 30mm
4.45 motor		✓		
4.46 gear box		✓		
4.47 limit switches		✓		
4.48 couplings				N/A
4.49 oil level of couplings				N/A
<b>4.50 electrical installation</b>				
4.51 lines/line connections		✓		
4.52 contactors, fans	✓			
4.53 adjustment of thermistors	✓			
4.54 function control	✓			
4.55 obstruction lights	✓	✓		
4.56 anemometer	✓			
<b>4.60 steel-girder construction (general)</b>				
4.61 welded seams		✓		
4.62 corrosion damages		✓		
4.63 form changes		✓		
General conditions of the subassembly:				<input type="checkbox"/> good <input checked="" type="checkbox"/> satisfactory <input type="checkbox"/> unsatisfactory

Subassembly:	Test report:	Description of defects:
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	OK	Function ensured	unsatisfactory	
311d013				
<b>5.00 Jib</b>				
<b>5.10 connections of the parts</b>				
5.11 pins/bolts	✓			
5.12 pins/bolts safety devices	✓			
<b>5.20 bracing</b>				
5.21 pin connections	✓			
5.22 pin safety devices	✓			
<b>5.30 traversing drive</b>				
5.31 wire rope		✓		Visible broken outer wires 6xd: — 30xd: —
5.32 rope fastening		✓		
5.33 motor		✓		
5.34 brake		✓		Gap on arrival: 0.7mm Gap now: 0.7mm
5.35 gear box		✓		
5.36 limit switches		✓		
5.37 pulleys		✓		
<b>5.40 trolley</b>				
5.41 rollers				N/A
5.42 pulleys				N/A
5.43 traversing rope breakage protection device				N/A buffer ✓
<b>5.50 2 fall / 4 fall pin</b>				1 single
5.51 limit switches				N/A
<b>5.60 overload protection</b>				
5.61 limit switch function		✓		
5.62 adjustment		✓		
5.63 reeving of hoisting rope?		✓		
<b>5.70 rope swivel traverse</b>				
5.71 rope fastening		✓		
5.72 twist arrestor				N/A
<b>5.80 steel-girder construction (general)</b>				
5.81 welded seams		✓		
5.82 corrosion damages		✓		
5.83 form changes		✓		
5.84 handrails/handrails fastening		✓		
5.85 Wolffkran sign	✓			
<b>General conditions of the subassembly</b>				
<input type="checkbox"/> good <input checked="" type="checkbox"/> satisfactory <input type="checkbox"/> unsatisfactory				

Subassembly:	Test report:	Description of defects:
	OK	Function ensured
		unsatisfactory
6.00 hook block		
6.10 load hook		✓
6.11 safety catch		✓
6.12 hook dimensions		✓
6.13 hook block pulleys		✓
General conditions of the subassembly: <input type="checkbox"/> good <input checked="" type="checkbox"/> satisfactory <input type="checkbox"/> unsatisfactory		

Comments and carried out works:

Hoist Emergency brake not installed  
 crane W355B - 31101013 inspected in 23-02-2017  
 and found safe to operate at the time of  
 inspection.


The inspection has been carried out

Date: 23-02-2017

Inspector: TAREQ ALBUBAIDI

Involved persons: \_\_\_\_\_

  
 (Signature of the inspector)

Eng M. wafaa  
  
 23/02/017

(Place, date)

(Signature of the customer)