

CERTIFICATE OF THOROUGH EXAMINATION

This Report Complies With Lifting Operation and Lifting Equipment Regulations

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Date of Through Examination: 28/07/2026	Date of Report: 28/07/2026	Report Number: RAS-Y-26073022
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<u>Description and identification of the equipment:</u>	Manufacturer: ACTROS Year of Manufacture: 2021 Model: 930.20 Serial Number: 757019 Chassis Number: WDB9302031L757019 Plate Number: 14 A98945		
Lorry Loader Crane, Telescopic Boom, Diesel powered, Hydraulic Operated			
<u>Name and address of employer for whom the thorough examination was made:</u> Hyundai E&C Company	Crane Model Number: SS2037 Crane Serial Number: D22K1012 Crane Manufacturer: DONGYANG Year of Manufacture: 2022 Hooks Serial Number: D10, 112209	Crane Capacity: 8 Ton	
<u>Address of premises at which the examination was made:</u> Hyundai Workshop Yard / BRUP		Hooks Capacity: 8 Ton, 4 Ton	
		SWL: 8 Ton	
		Wire Rope Dia: 10 mm	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @6 Falls	Boom Length (m)	Radius (m)	SWL (Kg)	Proof Load (Kg)
Load test at 100 % SWL @6 Falls (Min.radius)	5.0	2.0	8000	NIL
Load test at 100 % SWL (Intermediate radius)	11.1	5.0	2700	2700
Load test at 100 % SWL (Max.radius)	14.0	10.0	1200	1200

Is this the first examination after installation or assembly at a new site or location?					Was the examination carried out:				
	YES		NO	✓	Within an interval of 6 months?	YES		NO	✓
					Within an interval of 12 months?	YES	✓	NO	
If the answer to the above question is YES, has the equipment been installed correctly?	YES		NO		In accordance with an examination scheme?	YES	✓	NO	
					After the occurrence of exceptional circumstances?	YES		NO	✓

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

Is the above a defect which is of immediate danger to persons

YES NO

Is the above a defect which is not yet but could become a danger to persons: (if YES state the date by when) **NONE**

Yes by:

Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect: **NONE**

Particulars of any test carried out as part of examination:

- The Equipment Has Been Function, Load & Proof Load Tested in Accordance with Standard **BS 7121-2-4:2013**
- MPI Has Been Done to the Hook According to **ASTME 709**.

IS THIS EQUIPMENT SAFE TO OPERATE?

YES

✓

NO

Name & Qualifications of person making this report:
Ahmed Yahya

Name of person authenticating this report:
Signature: **Mustafa Mohammed**

Latest date by which next thorough examination must be carried out:
27/07/2027

Name and address of employer of person making and authenticating this report:
Hussein Ali Hussein, Basra, Burjesia



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GENERAL DESCRIPTION OF THE EQUIPMENT	Status			
	OK	NO	NA	Comments
1 – OPERATOR CAB				
Manufacturer's operation manual	✓			
Load chart & operator competency certificate	✓			
Controls / marking & air condition	✓			
Window / wipers / chair / door look & seals	✓			
Body work	✓			
2 – Boom				
Base section properly attached	✓			
Boom structure	✓			
Boom angle indicator	✓			
Hoist line guides	✓			
3 – Hydraulic System				
Hydraulic oil level	✓			
Outrigger cylinders	✓			
Boom cylinder	✓			
System & Hoses	✓			
4 – Load Hook & Block				
Sheave functions smoothly	✓			
Hook rotates freely lubricated	✓			
Hook latches	✓			
5 – Drum				
Spooling of hoist lines	✓			
Drum shields cracks	✓			
Drum sides cracks	✓			
6 – Hoist line				
Overall condition	✓			
End connections	✓			
Lubricated	✓			
Clips	✓			
7 – Stabilizers				
Stabilizers beam cam	✓			
Stabilizers beam secondary locks	✓			
Stabilizers Hoses & Pipe works	✓			
8 – Loader Crane				
Operation of control levers	✓			
Attachment of loader to vehicle	✓			
Emergency Stop Switches	✓			



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9 – Safety Devices	OK	NO	NA	Comments
Anti-two blocks system	✓			
Warning alarms	✓			
Safety equipment	✓			



RATED CAPACITIES							
WORKING RADIUS (M)	BOOM LENGTH						
	5.0 M	8.1 M	11.1 M	14.0 M	17.0 M	19.9 M	22.8
2.0	*8,000	*5,500	4,000				
3.0	*5,000	*4,500	3,500				
4.0	4,000	3,400	3,000	2,750	2,500		
5.0	3,500(4.7)	3,000	2,700	2,540	2,190	1,800	1,800
6.0		2,500	2,250	2,050	1,820	1,550	1,550
7.0		2,150	2,100	1,800	1,600	1,430	1,300
8.0		1,800 (7.8)	1,650	1,500	1,430	1,290	1,100
9.0			1,400	1,350	1,300	1,140	1,050
10.0			1,200	1,200	1,160	980	900
11.0			1,000(10.8)	950	900	870	800
12.0				850	800	760	700
13.0				800	750	690	620
14.0				750(13.8)	740	630	600
15.0					630	550	520
16.0					560	490	450
17.0					530(16.7)	440	430
18.0						400	390
19.0						350	340
20.0						300(19.6)	290
21.0							275
22.0							260
23.0							250(19.5)
WIRE LAYERS	4 LAYERS			6 LAYERS			

NOTES 1. FULLY EXTEND ALL OUTRIGGER ON SOLID AND EVEN SURFACE
2. THE BASE OF THE CRANE

DY INNOVATE

MODEL NAME : SS2037 CRANE

MANUFACTURING DATE : 20 22.11

SERIAL NO : D22K1012

CAPACITY : 8 TON

COUNTRY OF ORIGIN : MADE IN KOREA

HEAD OFFICE : (NAMCHEON-DONG), 36, NAMDONGSEQ-RO, 362 BEON-GIL,
NAMDONG-KU, INCHEON-CITY, KOREA
TEL : 82-32-810-4100, FAX : 82-32-810-4200

IKSAN PLANT : 118, SEOGAM-RO 13-GIL, IKSAN-SI, JEOLLABUK-DO, KOREA
TEL : 82-63-830-4400, Fax : 82-63-835-6549



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LOAD TEST & NDT (MPI) REPORT			
Report No:	26073022	Examination Date:	28/07/2026
LOAD TEST			
Equipment Details			
Load Cell Serial No: 30682 / 25532	Vernier Caliper S/N: 400 0576 010	Measuring Tape S/N: N/A	

NDT (MPI) FOR CRANE'S HOOK					
NDT Details					
Standard:	ASTME 709	Equipment type:	PERMENANT YOKE	Contrast Media:	WHITE CONTRAST
Viewing Condition	Colored media	Method	WET	Indicator:	BLACK INK
NDT Equipment Details					
YOKE S/N	A12-512	WHITE CONTRAST	MagnavisWCP-2	BLACK INK	Magnavis7HF



Hook Details	Main Hook Serial Number:	D10, 112209
	Main Hook SWL:	8 Ton, 4 Ton

NDT Procedure

Visual & MPI CARRIED OUT FOR THE ABOVE DESCRIPTION AND FOUND FREE OF SURFACE DEFECTS AT THE TIME OF INSPECTION

Identification of any part found to have a defect and a description of the defect: **NONE**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

ASNT Level II Inspector Name & Signature: Ahmed Yahya	RESULT: PASS
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