

CERTIFICATE OF THOROUGH EXAMINATION

This Report Complies with the Lifting Operation and Lifting Equipment Regulations

Certificate Page: 1 Of 5

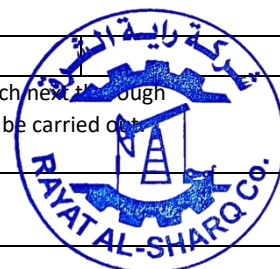
Date of Through Examination: 19/08/2026	Date of Report: 19/08/2026	Report Number: RAS-Y-26083039
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<u>Description and identification of the equipment:</u> Crawler Crane, Lattice boom, Ramshorn Hook, Diesel powered, Hydraulic Operated	<u>Manufacturer:</u> FUWA <u>Year of Manufacture:</u> 2015 <u>Model:</u> QUY150A <u>Serial Number:</u> 1162 <u>Chassis Number:</u> 1162 <u>Plate Number:</u> 1229 Basra		
<u>Name and address of employer for whom the thorough examination was made:</u> Hyundai E&C Company <u>Address of premises at which the examination was made:</u> Basra Refinery Upgrading Project	<u>Main Block Capacity:</u> 50 (Ton) <u>Auxiliary Block Capacity:</u> 9 (Ton) <u>Main Hoist Wire Diameter:</u> 26 (mm) <u>Auxiliary Hoist Wire Diameter:</u> 26 (mm) <u>Main Hook Serial Number:</u> HY01 <u>Auxiliary Hook Serial Number:</u> HY02	<u>Boom Length:</u> 48.0(Meter) <u>Counter Weight:</u> 54.6 (Ton) <u>Central Blast:</u> 20.8 Ton <u>Crane Capacity:</u> 150 Ton <u>Safe Working Load (SWL):</u> 50 Ton <u>Number of Falls:</u> 4 Falls	

The Examination Carried out Load test @100% SWL

Length of Boom(m)	Radius (m)	Reeving (no. of falls)	SWL	Proof Load test
USING MAIN BLOCK				
48.0	30.0	4	14.2	14.2
USING AUXILIARY BLOCK				
48.0	44.0	1	8.3	8.3

Is this the first examination after installation or assembly at a new site or location?	YES	NO	✓	Was the examination carried out:									
				Within an interval of 6 months?	YES	NO	✓						
If the answer to the above question is YES, has the equipment been installed correctly?	YES	NO		Within an interval of 12 months?	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								
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 Referenced Equipment Has Been Function, Load & Proof Load Tested As per BS 7121-2-1: 2012 & BS 7121-2-3:2012.													
- MPI Has Been Done to The Main & Single Hook According to ASTME 709.													
IS THIS EQUIPMENT SAFE TO OPERATE?				YES	✓	NO							
Name & Qualifications of person making this report:		Name of person authenticating this report:		Latest date by which next thorough examination must be carried out:									
Ahmed Yahya		Mustafa Salman		18/08/2027									
Name and address of employer of person making and authenticating this report:													
Hussein Ali Hussein, Basra, Burjesia													



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Report Number: RAS-Y-26083039

Certificate Page: 2 Of 5

GENERAL DESCRIPTION OF THE EQUIPMENT	Status			
1 – CHASSIS	OK	NO	NA	Comments
Structure members	✓			
Welding	✓			
Security of fastening	✓			
Electrical Wiring	✓			
Body work	✓			
Lights	✓			
2 – CRAWLER	OK	NO	NA	Comments
Thread	✓			
Nut Security	✓			
Bearing	✓			
3 – PRIME MOVER	OK	NO	NA	Comments
Radiator shutters	✓			
Hydraulic pumps/ motors	✓			
Hose and fittings	✓			
Engine	✓			
Fluid Levels	✓			
4 – CONTROL / OPERATOR CAB	OK	NO	NA	Comments
Seat Belt	✓			
Operators chair	✓			
Load chart	✓			
Control Panel	✓			
Joystick	✓			
Free-Fall System	✓			
Horn	✓			
Control unit	✓			
Load Indicator	✓			



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Report Number: RAS-Y-26083039

Certificate Page: 3 Of 5

5 – BOOM	OK	NO	NA	Comments
Main Structural section	✓			
Joining pins or bolts	✓			
Foot pins & bushes	✓			
Boom Limit Switch rubber bad	✓			
Boom Support return block	✓			
Boom Limit Switch	✓			
Safety Warnings – Attached and legible	✓			
6 – COUNTER WEIGHT	OK	NO	NA	Comments
Security / connection	✓			
Hydraulics	✓			
Rams	✓			
Hoses/ fittings	✓			
7 - WINCHES	OK	NO	NA	Comments
Drum	✓			
Rope anchor	✓			
Spooling	✓			
Brake	✓			
Rope guards	✓			
Anti-tipping System	✓			
8 - WIRE ROPE & HOOK	OK	NO	NA	Comments
Main hoist wire rope	✓			
Hook block	✓			
Termination	✓			
Boom wire rope	✓			
Marking	✓			
Anchor termination	✓			
Lifting Hook	✓			



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Report Number: RAS-Y-26083039

Certificate Page: 4 Of 5



FUWA QUY150A Operation Manual Chapter 2 Technical Data

2.3 Rated lifting load chart
2.3.1 Main boom:

Span length(m) Working radius(m)	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0	63.0	66.0	69.0	75.0	81.0	Unit
5.0	150.0	140.0	130.0	120.0	110.0	100.0	90.0	80.0	70.0	60.0	50.0	40.0	30.0	20.0	10.0	5.0	3.0	2.0	1.0	0.5	t
6.0	133.0	126.0	118.0	110.0	102.0	94.0	86.0	78.0	70.0	62.0	54.0	46.0	38.0	30.0	22.0	14.0	8.0	4.0	2.0	1.0	t
7.0	115.0	114.0	104.0	98.0	91.0	84.0	77.0	70.0	63.0	56.0	49.0	42.0	35.0	28.0	21.0	14.0	8.0	4.0	2.0	1.0	t
8.0	94.2	94.0	83.9	78.1	72.5	66.9	61.3	55.7	50.1	44.5	38.9	33.3	27.7	22.1	16.5	10.9	6.3	3.0	1.5	0.8	t
9.0	78.5	78.3	70.2	65.1	60.0	54.9	49.8	44.7	39.6	34.5	29.4	24.3	19.2	14.1	9.0	5.0	2.5	1.2	0.6	0.3	t
10.0	67.2	67.0	60.6	56.1	51.0	45.9	40.8	35.7	30.6	25.5	20.4	15.3	10.2	7.1	4.0	2.0	1.0	0.5	0.2	0.1	t
12.0	52.0	51.8	46.9	43.1	39.0	34.9	30.8	26.7	22.6	18.5	14.4	10.3	6.2	3.1	1.5	0.8	0.4	0.2	0.1	0.05	t
14.0	42.2	42.0	38.1	34.9	31.6	28.3	25.0	21.7	18.4	15.1	11.8	8.5	5.2	2.9	1.4	0.7	0.4	0.2	0.1	0.05	t
16.0	36.5	36.2	33.0	30.4	27.6	24.8	22.0	19.2	16.4	13.6	10.8	8.0	5.2	2.9	1.4	0.7	0.4	0.2	0.1	0.05	t
18.0	30.2	30.0	27.4	25.4	22.8	20.2	17.6	15.0	12.4	9.8	7.2	4.6	2.9	1.4	0.7	0.4	0.2	0.1	0.05	0.02	t
20.0	23.2	23.0	20.8	19.2	16.8	14.4	12.0	9.6	7.2	4.8	2.4	1.2	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	t
22.0	20.6	20.3	18.4	16.8	14.4	12.0	9.6	7.2	4.8	2.4	1.2	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	t
24.0	18.1	17.8	16.2	14.6	12.2	9.8	7.4	5.0	2.6	1.3	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	t
26.0	15.6	15.3	13.8	12.2	9.8	7.4	5.0	2.6	1.3	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	t
28.0	13.1	12.8	11.4	9.8	7.4	5.0	2.6	1.3	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	t
30.0	10.6	10.3	8.9	7.4	5.0	2.6	1.3	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005	t
32.0	8.1	7.8	6.4	4.9	2.5	1.2	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005	0.00002	t
34.0	5.6	5.3	3.9	2.4	1.1	0.5	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005	0.00002	0.00001	t
36.0	3.1	2.8	1.4	0.9	0.4	0.2	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005	0.00002	0.00001	0.000005	t
38.0	0.6	0.3	0.1	0.05	0.02	0.01	0.005	0.002	0.001	0.0005	0.0002	0.0001	0.00005	0.00002	0.00001	0.000005	0.000002	0.000001	0.0000005	0.0000002	t
40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	t

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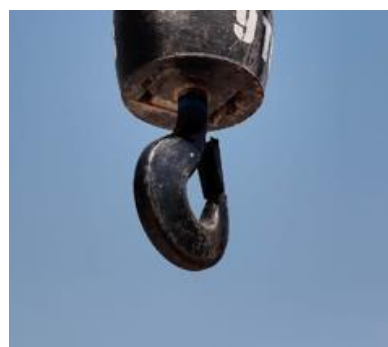
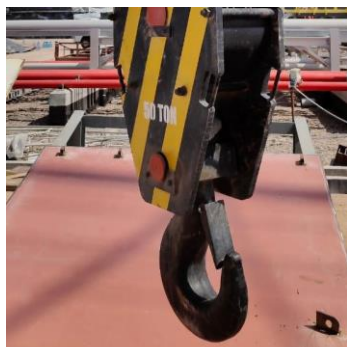
Certificate Page: 5 Of 5

LOAD TEST & NDT (MPI) REPORT

Report No:	26083039	Examination Date:	19/08/2026
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 SWL	50 Ton	Auxiliary Hook SWL	9 Ton
	Main Hook Serial Number	HY01	Auxiliary Hook Serial Number	HY02

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**

