RAYAT AL-SHARQ راية الشرق
For Trading, General Contracting, General Transportation & Inspection Services LTD Company

Al-Burjesia, Basra-Iraq
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http://www.ras-iq.com
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CERTIFICATE OF THOROUGH EXAMINATION

This Report Complies with the Lifting Operation and Lifting Equipment Regulations

Date of Through Examination: 08/10/2026	Date of Report: 08/10/2026	Report Number: **RAS-Y-26103009**

Description and identification of the equipment:

Crawler Crane, Lattice boom, Ramshorn Hook, Diesel powered, Hydraulic Operated

Name and address of employer for whom the thorough examination was made:
Hyundai E&C Company
Address of premises at which the examination was made:
Basra Refinery Upgrading Project

Manufacturer: FUWA
Year of Manufacture: 2015
Model: QUY150A
Serial Number: 1162
Chassis Number: 1162
Plate Number: 1229 Basra

Main Block Capacity: 50 (Ton)
Auxiliary Block Capacity: 9 (Ton)
Main Hoist Wire Diameter: 26 (mm)
Auxiliary Hoist Wire Diameter: 26 (mm)
Main Hook Serial Number: HY01
Auxiliary Hook Serial Number: HY02

Boom Length: 48.0(Meter)
Counter Weight: 54.6 (Ton)
Central Blast: 20.8 Ton
Crane Capacity: 150 Ton
Safe Working Load (SWL): 50 Ton
Number of Falls: 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	✓
					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 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	Signature: **Mustafa Salman**	**07/10/2027**

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			
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	✓			

شركة راية الشرق RAYAT AL-SHARQ Co.

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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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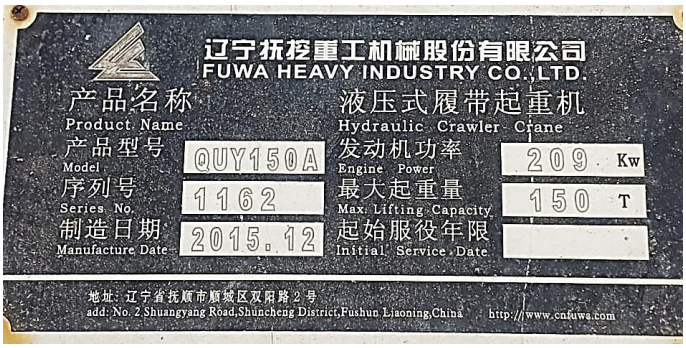
CERTIFICATE OF THOROUGH EXAMINATION

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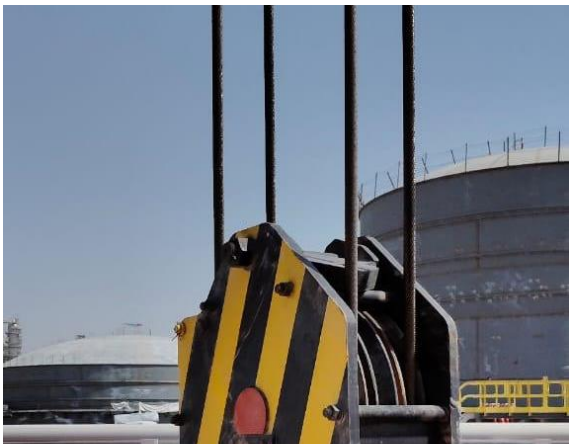
Report Number: RAS-Y-26103009

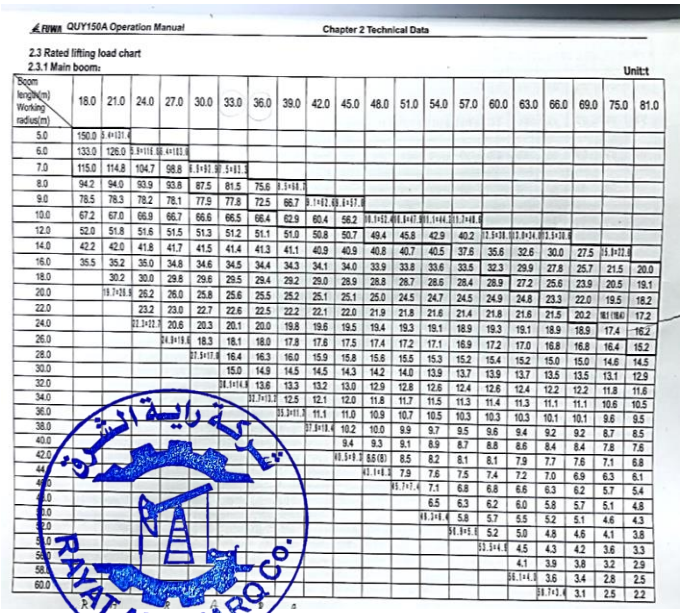












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RAS-Y-26103009

LOAD TEST & NDT (MPI) REPORT			
Report No:	26083039	Examination Date:	08/10/2026

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

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