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

Al-Burjesia, Basra-Iraq
+9647703178132
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http://www.ras-iq.com
info@ras-iq.com

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Date of Through Examination: 11/11/2026	Date of Report: 11/11/2026	Report Number: **RAS-AM-2601103021**

Description and identification of the equipment:

Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom

Manufacturer: SANY
Year of Manufacture: 2018
Model: STC800S
Serial Number: TC2075BG2138
Chassis Number: LFCNPG6W7G2001698
Plate Number: 14 A98786

Name and address of employer for whom the thorough examination was made:
ALI ANAID
Address of premises at which the examination was made:
RAS YARD

Main Hoist Wire Diameter: 20(mm)
Aux. Hoist Wire Diameter: 20(mm)
Main Hoist Capacity: 80 (Ton)
Aux. Hoist Capacity: 5 (Ton)
Main Hook Serial Number: L110
Aux. Hook Serial Number: L00

Boom Length (Max-Min)
12.2 – 47.0 (Meter)
Crane Capacity:
80 Ton
Safe Working Load (SWL):
80 Ton with fully extended outriggers

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @4 Falls	Boom Length(m)	Radius (m)	SWL (Kg)	Test Load (Kg)
Load test at 100 % SWL @4 Falls (**Min.radius**)	**12.2**	**3.0**	**20000**	**NIL**
Load test at 100 % SWL (**Intermediate radius**)	**27.2**	**14.0**	**10800**	**Function Test**
Load test at 100 % SWL (**Max. radius**)	**38.3**	**30.0**	**2700**	**Function Test**

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 Equipment Has Been Function, Load & Performance Tested as Per **BS 7121-2-1 & BS 7121-2-3:2012** And 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:	Name of person authenticating this report:	Latest date by which next thorough examination must be carried out:
Ahmed Yahya	Signature: **Mustafa Salman**	**10/11/2027**

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 – OPERATOR CAB	**OK**	**NO**	**NA**	**Comments**
Manufacturer's operation manual	✓			
Load chart & operator competency certificate	✓			
Controls / marking & air condition	✓			
Window / wipers / chair / door look & seals	✓			
Body work	✓			
2 – Boom	**OK**	**NO**	**NA**	**Comments**
Head section / root section / intermediate sections	✓			
Jib, boom, turret, boom extension	✓			
Joining pins or bolts	✓			
Foot pins & bushes	✓			
Sheaves, pins & structures	✓			
Chords	✓			
Lights	✓			
3 – SAFE LOAD INDICATOR	**OK**	**NO**	**NA**	**Comments**
Load indicator	✓			
Radius indicator	✓			
Angle	✓			
Audible warning	✓			
Visible warning	✓			
4 – CHASSIS	**OK**	**NO**	**NA**	**Comments**
Structural member / welding	✓			
Security of fastening	✓			
Electrical wiring / pipe work / body work	✓			
Level indicator / main block traveling connection point	✓			
Lights	✓			
5 – WHEELS	**OK**	**NO**	**NA**	**Comments**
Tier walls	✓			
Wheel nut security	✓			
Tier pressure	✓			
Thread	✓			
Rims	✓			
Bearings	✓			



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6 – OUTRIGGERS	OK	NO	NA	Comments
Locking mechanism	✓			
Retraction / Travel alarm	✓			No Travel Alarm
Foot pads / Hydraulic hoses and fittings	✓			
Seals	✓			
7 - SLEWRING	**OK**	**NO**	**NA**	**Comments**
Brake / rocking motions / Bolts	✓			
Lubrication	✓			
Gear teeth on slew ring and pinion	✓			
Clutch	✓			
8 – COUNTERWEIGHTS	**OK**	**NO**	**NA**	**Comments**
Security / Connection / Hydraulics / Rams	✓			
Hoses	✓			
Fittings	✓			
9 – MAIN BLOCK / WHIP LINE	**OK**	**NO**	**NA**	**Comments**
Hook / Safety Latch	✓			
Sheaves / Structure / Pins	✓			
Whip line Capacity	✓			
Main block Capacity	✓			
10 - WINCHES	**OK**	**NO**	**NA**	**Comments**
Drum	✓			
Rope anchor	✓			
Spooling	✓			
Brake	✓			
Rope guards	✓			
Clutches	✓			
11 - WIRE ROPE	**OK**	**NO**	**NA**	**Comments**
Main hoist wire rope	✓			
Termination	✓			
Boom wire rope	✓			
Wedge socket	✓			
Whip line wire rope	✓			
12 – SAFTEY DEVICES	**OK**	**NO**	**NA**	**Comments**
Level indicator or Spirit level	✓			
Load limiter	✓			
Limit stops relating to lifting motions	✓			

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Working Range (m)	Main Boom															Working Range (m)
	12.2	16.6	18.7	21.7	25	25.2	27.3	29.5	31.8	33.8	36	38.3	40.4	42.3	47	
3	80000	65000														3
3.5	75000	63000														3.5
4	68000	61000	50000	43000												4
4.5	64000	60000	50000	43000	50000	28000										4.5
5	57000	54000	50000	41000	50000	27000	30000	27000		26000						5
5.5	52000	52000	29600	40000	50000	26000	30000	26000		25000						5.5
6	48000	48000	29600	37500	50000	25000	30000	25000	20000	24000	20000		20000			6
6.5	44000	42500	29000	35500	29000	24500	29000	24500	19500	23000	19500		19000			6.5
7	39000	39500	28600	33700	29000	24000	29000	24000	19000	22000	19000		18000			7
7.5	36000	36500	28000	31600	28500	23100	28500	23500	18000	21000	18500		17500			7.5
8	32000	31500	27600	30000	28000	22800	25000	23000	17500	20000	18000		17000			8
9	25900	25000	25000	24000	25000	21600	23200	22000	16000	18900	18000		15800			9
10		20000	20000	19500	20400	20000	20000	20800	15000	17500	15800	11000	14800	11000	11000	10
11		16800	17200	16200	17100	16100	16800	17500	14000	16200	14500	10600	13800	10800	10600	11
12		14000	14800	13500	14500	15000	14400	15000	13200	14900	13800	10000	12500	10500	10200	12
14			11100	8400	10800	11600	10800	11300	11600	11500	13000	8600	11000	10000	10000	14
16				7200	8200	9200	8200	8800	9600	8800	9400	8700	9500	9500	8800	16
18					6000	7400	6000	7100	7700	7200	7500	7900	7700	7900	7800	18
20						6300	4900	5600	6300	5700	6300	6600	6200	6900	6600	20
22							3800	4500	5200	4500	5100	5500	5050	5500	5300	22
24							2500	3600	4500	3800	4200	4600	4200	4500	4450	24
26									3800	2800	3400	3800	3400	3800	3750	26
28										2200	2950	3200	2700	3000	3150	28
30										1400	2100	2700	2050	2800	2400	30
32												2400	1600	2200	1850	32
34													1000	1600	1450	34
36															1100	36
Number of lines	12	10		8		6			5			4		3		Number of lines
Telescoping condition(%)																
I	0%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	0%	100%	50%	100%	I
II	0%	0%	25%	0%	25%	50%	25%	50%	75%	50%	75%	100%	75%	100%	100%	II











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LOAD TEST & NDT (MPI) REPORT			
Report No:	**2601103021**	Examination Date:	11/11/2026

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:	L110	**Aux. Hook Serial Number:**	L00
Main Hook SWL:	80 Ton	**Aux. Hook SWL:**	5 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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