

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

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Date of Through Examination: 25/07/2026	Date of Report: 25/07/2026	Report Number: RAS-Y-26083049
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Description and identification of the equipment: Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom	Manufacturer: SANY Year of Manufacture: 2017 Model: STC800S Serial Number: TC2080BH5655 Chassis Number: LFCNPG6WXH2014298 Plate Number: 8431 Sulaymaniyah	
Name and address of employer for whom the thorough examination was made: Semo Al-Mukhayam Company Address of premises at which the examination was made: Basra Refinery Upgrading Project	Main Hoist Wire Diameter: 20(mm) Aux. Hoist Wire Diameter: 20(mm) Main Hoist Capacity: 30 (Ton) Main Hook Serial Number: HCZ1830106 Aux. Hoist Capacity: 5 (Ton) Aux. Hook Serial Number: YM16040133	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @4 Falls	Boom Length(m)	Radius (m)	SWL (Kg)	Proof Load (Kg)
Load test at 100 % SWL @4 Falls (Min.radius)	12.2	3.0	20000	NIL
Load test at 100 % SWL (Intermediate radius)	40.4	7.0	18000	19800
Load test at 100 % SWL (Max. radius)	47.0	20.0	5000	5000
Using Auxiliary Block	47.0	24.0	3200	4000

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	✓
If the answer to the above question is YES, has the equipment been installed correctly?					Within an interval of 12 months?	YES	✓	NO	
	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:

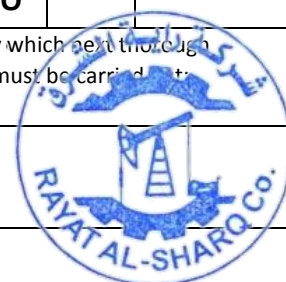
The Equipment Has Been Function, Load & Proof Load Tested as Per **BS 7121-2-1 & BS 7121-2-3:2012** And MPI has Been Done to the Main & Single Hook According to **ASTME 709**

IS THIS EQUIPMENT SAFE TO OPERATE? **YES** ☒ **NO** ☐

Name & Qualifications of person making this report: MUSTAFA SALMAN	Name of person authenticating this report: Signature: Ahmed Yahya	Latest date by which next thorough examination must be carried out: 24/07/2027
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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				
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				
Load indicator	✓			
Radius indicator	✓			
Angle	✓			
Audible warning	✓			
Visible warning	✓			
4 – CHASSIS				
Structural member / welding	✓			
Security of fastening	✓			
Electrical wiring / pipe work / body work	✓			
Level indicator / main block traveling connection point	✓			
Lights	✓			
5 – WHEELS				
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 catch	✓			
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 – SAFETY DEVICES	OK	NO	NA	Comments
Level indicator or Spirit level	✓			
Load limiter	✓			
Limit stops relating to lifting motions	✓			



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STC800S Total rated lifting load for boom

支腿全伸后方和侧方作业(起重设备配置)

Fully extended outriggers, over side and rear (Fixed Counterweight)

Working Radius (m)	12.2	16.5	18.7	20.7	23	25.2	27.2	29.5	31.8	34.1	36.5	38.9	41.4	42.5
3.0	8000	8200												
3.5	7500	8000												
4.0	6700	6600	3000	3000										
4.5	6200	5400	3000	4250	3000	2800								
5.0	5400	4900	3000	4100	3000	2700	3000	2700						
5.5	4800	4800	3000	3800	3000	2800	3000	2800	2500					
6.0	4500	4200	3000	3700	3000	2800	3000	2800	2500					
6.5	4000	3800	2900	3500	2900	2700	2800	2700	2400	2000				
7.0	3500	3400	2900	3200	2800	2400	2700	2400	2000	1900	1900			
7.5	3000	3000	2800	2800	2700	2300	2600	2300	1800	1800	1700			
8.0	2600	2500	2600	2500	2400	2200	2400	2100	1700	1600	1500			
8.5	2300	2200	2100	2000	2100	2100	2100	1800	1600	1500	1400			
9.0	2000	1900	1800	1700	1800	1800	1800	1600	1400	1300	1200			
10.0	1600	1500	1400	1300	1400	1400	1400	1200	1000	900	800			
11.0	1300	1200	1100	1000	1100	1100	1100	900	700	600	500			
12.0	1000	900	800	700	800	800	800	600	400	300	200			
13.0	800	700	600	500	600	600	600	400	200	100	0			
14.0	600	500	400	300	400	400	400	200	100	0	0			
15.0	400	300	200	100	200	200	200	100	0	0	0			
16.0	200	100	0	0	0	0	0	0	0	0	0			
17.0	0	0	0	0	0	0	0	0	0	0	0			
18.0	0	0	0	0	0	0	0	0	0	0	0			
19.0	0	0	0	0	0	0	0	0	0	0	0			
20.0	0	0	0	0	0	0	0	0	0	0	0			
22.0	0	0	0	0	0	0	0	0	0	0	0			
24.0	0	0	0	0	0	0	0	0	0	0	0			
26.0	0	0	0	0	0	0	0	0	0	0	0			
28.0	0	0	0	0	0	0	0	0	0	0	0			
30.0	0	0	0	0	0	0	0	0	0	0	0			
32.0	0	0	0	0	0	0	0	0	0	0	0			
34.0	0	0	0	0	0	0	0	0	0	0	0			
36.0	0	0	0	0	0	0	0	0	0	0	0			



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LOAD TEST & NDT (MPI) REPORT			
Report No:	26083049	Examination Date:	26/05/2024
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:	HCZ1830106	Auxiliary Hook Serial Number:	YM16040133
Main Hook SWL:	30 Ton	Auxiliary 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: MUSTFA SALMAN		RESULT: PASS	