

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

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Date of Thorough Examination: 28/09/2025	Date of Report: 28/09/2025	Report Number: RAS-A-250930211
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Description and identification of the equipment: Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom	Manufacturer: SANY Year of Manufacture: 2019 Model: SYM5465JQZ (STC800S) Serial Number: TC2080BK3060 Chassis Number: LFCNPG6P4K2011803 Plate Number: A 8077 BASRA	 SCAN ME
Name and address of employer for whom the thorough examination was made: TAAM Company Address of premises at which the examination was made: RAYAT AL-SHARQ CO.	Main Hoist Wire Diameter: 22(mm) Aux. Hoist Wire Diameter: 22(mm) Main Hoist Capacity: 80 (Ton) Main Hook Serial Number: HCZ1975047 Aux. Hoist Capacity: 5 (Ton) Aux. Hook Serial Number: D52	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @5 Falls	Boom Length(m)	Radius (m)	SWL (Kg)	Proof Load (Kg)
Load test at 100 % SWL @5 Falls (Min.radius)	12.2	3.0	20000	NIL
Load test at 100 % SWL (Intermediate radius)	20.7	12.0	10400	9500
Load test at 100 % SWL (Max. radius)	36.0	20.0	4900	4900
Auxiliary Hook test at 100% SWL	47.0	30.0	1300	1300

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** 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: Ahmed Yahya	Name of person authenticating this report: Signature: Mustafa Salman	Latest date by which next thorough examination must be carried out: 27/09/2026
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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 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 – 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

支腿全伸后前侧方作业(40度固定配置)
Fully extended outriggers, over side and rear (40 Fixed Counterweight)

Working Radius (m)	12.2	15.5	18.7	20.7	23	25.2	27.2	29.5	31.8	33.8	36	38.3	40.4	42.5	47
3.0	60000	62000													
3.5	75000	80000													
4.0	80000	85000	30000	43000	30000	28000									
4.5	80000	85000	30000	43000	30000	28000	20000	27000							
5.0	54000	49000	30000	41000	30000	25000	30000	25000	20000	24000	20000			20000	
5.5	48000	46000	30000	38000	30000	25000	30000	25000	20000	23000	19000			19000	
6.0	45000	42500	30000	37000	30000	25000	28000	24000	19000	21000	18000			18000	
6.5	40000	38000	29000	32000	29000	24000	27000	23000	18000	20000	17000			17000	
7.0	35000	34000	29000	32000	29000	24000	23000	20000	16000	18000	15000			15000	
7.5	30000	30000	28000	29000	26000	22000	24000	20000	16000	17000	14000			14000	
8.0	26000	26000	25000	25000	22000	19000	21000	17000	14000	15000	12000			12000	
8.5	23000	23000	22000	22000	19000	16000	18000	14000	11000	12000	10000			10000	
9.0	20000	20000	19000	19000	16000	13000	15000	11000	9000	10000	8000			8000	
9.5	18000	18000	17000	17000	14000	11000	13000	9000	7000	8000	6000			6000	
10.0	16000	16000	15000	15000	12000	9000	11000	7000	5000	6000	4000			4000	
10.5	14000	14000	13000	13000	10000	7000	9000	5000	3000	4000	2000			2000	
11.0	12000	12000	11000	11000	8000	5000	7000	3000	1000	2000	1000			1000	
11.5	10000	10000	9000	9000	6000	3000	5000	1000	500	1000	500			500	
12.0	9000	9000	8000	8000	5000	2000	4000	500	500	500	500			500	
12.5	8000	8000	7000	7000	4000	1000	3000	500	500	500	500			500	
13.0	7000	7000	6000	6000	3000	500	2000	500	500	500	500			500	
13.5	6000	6000	5000	5000	2000	500	1000	500	500	500	500			500	
14.0	5000	5000	4000	4000	1000	500	500	500	500	500	500			500	
14.5	4000	4000	3000	3000	500	500	500	500	500	500	500			500	
15.0	3000	3000	2000	2000	500	500	500	500	500	500	500			500	
15.5	2000	2000	1000	1000	500	500	500	500	500	500	500			500	
16.0	1000	1000	500	500	500	500	500	500	500	500	500			500	
16.5	500	500	500	500	500	500	500	500	500	500	500			500	
17.0	500	500	500	500	500	500	500	500	500	500	500			500	
17.5	500	500	500	500	500	500	500	500	500	500	500			500	
18.0	500	500	500	500	500	500	500	500	500	500	500			500	
18.5	500	500	500	500	500	500	500	500	500	500	500			500	
19.0	500	500	500	500	500	500	500	500	500	500	500			500	
19.5	500	500	500	500	500	500	500	500	500	500	500			500	
20.0	500	500	500	500	500	500	500	500	500	500	500			500	
20.5	500	500	500	500	500	500	500	500	500	500	500			500	
21.0	500	500	500	500	500	500	500	500	500	500	500			500	
21.5	500	500	500	500	500	500	500	500	500	500	500			500	
22.0	500	500	500	500	500	500	500	500	500	500	500			500	
22.5	500	500	500	500	500	500	500	500	500	500	500			500	
23.0	500	500	500	500	500	500	500	500	500	500	500			500	
23.5	500	500	500	500	500	500	500	500	500	500	500			500	
24.0	500	500	500	500	500	500	500	500	500	500	500			500	
24.5	500	500	500	500	500	500	500	500	500	500	500			500	
25.0	500	500	500	500	500	500	500	500	500	500	500			500	
25.5	500	500	500	500	500	500	500	500	500	500	500			500	
26.0	500	500	500	500	500	500	500	500	500	500	500			500	
26.5	500	500	500	500	500	500	500	500	500	500	500			500	
27.0	500	500	500	500	500	500	500	500	500	500	500			500	
27.5	500	500	500	500	500	500	500	500	500	500	500			500	
28.0	500	500	500	500	500	500	500	500	500	500	500			500	
28.5	500	500	500	500	500	500	500	500	500	500	500			500	
29.0	500	500	500	500	500	500	500	500	500	500	500			500	
29.5	500	500	500	500	500	500	500	500	500	500	500			500	
30.0	500	500	500	500	500	500	500	500	500	500	500			500	
30.5	500	500	500	500	500	500	500	500	500	500	500			500	
31.0	500	500	500	500	500	500	500	500	500	500	500			500	
31.5	500	500	500	500	500	500	500	500	500	500	500			500	
32.0	500	500	500	500	500	500	500	500	500	500	500			500	
32.5	500	500	500	500	500	500	500	500	500	500	500			500	
33.0	500	500	500	500	500	500	500	500	500	500	500			500	
33.5	500	500	500	500	500	500	500	500	500	500	500			500	
34.0	500	500	500	500	500	500	500	500	500	500	500			500	
34.5	500	500	500	500	500	500	500	500	500	500	500			500	
35.0	500	500	500	500	500	500	500	500	500	500	500			500	
35.5	500	500	500	500	500	500	500	500	500	500	500			500	
36.0	500	500	500	500	500	500	500	500	500	500	500			500	
36.5	500	500	500	500	500	500	500	500	500	500	500			500	
37.0	500	500	500	500	500	500	500	500	500	500	500			500	
37.5	500	500	500	500	500	500	500	500	500	500	500			500	
38.0	500	500	500	500	500	500	500	500	500	500	500			500	
38.5	500	500	500	500	500	500	500	500	500	500	500			500	
39.0	500	500	500	500	500	500	500	500	500	500	500			500	
39.5	500	500	500	500	500	500	500	500	500	500	500			500	
40.0	500	500	500	500	500	500	500	500	500	500	500			500	
40.5	500	500	500	500	500	500	500	500	500	500	500			500	
41.0	500	500	500	500	500	500	500	500	500	500	500			500	
41.5	500	500	500	500	500	500	500	500	500	500	500			500	
42.0	500	500	500	500	500	500	500	500	500	500	500			500	
42.5	500	500	500	500	500	500	500	500	500	500	500			500	
43.0	500	500	500	500	500	500	500	500	500	500	500			500	
43.5	500	500	500	500	500	500	500	500	500	500	500			500	
44.0	500	500	500	500	500	500	500	500	500	500	500			500	
44.5	500	500	500	500	500	500	500	500	500	500	500			500	
45.0	500	500	500	500	500	500	500	500	500	500	500			500	
45.5	500	500	500	500	500	500	500	500	500	500	500			500	
46.0	500	500	500	500	500	500	500	500	500	500	500			500	
46.5	500	500	500	500	500	500	500	500	500	500	500			500	
47.0	500	500	500	500	500	500	500	500	500	500	500			500	
47.5	500	500	500	500	500	500	500	500	500	500	500			500	
48.0	500	500	500	500	500	500	500	500	500	500	500			500	
48.5	500	500	500	500	500	500	500	500	500	500	500			500	
49.0															

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LOAD TEST & NDT (MPI) REPORT

Report No:	250930211	Examination Date:	28/09/2025
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:	HCZ1975047	Auxiliary Hook Serial Number:	D52
Main Hook SWL:	80 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: Ahmed Yahya



RESULT: **PASS**

