

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations
AN ISO/IEC 17020 ACCREDITED INSPECTION BODY

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Date of Thorough Examination: 09/08/2026	Date of Report: 09/08/2026	Report Number: RAS-Y-2608302
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<u>Description and identification of the equipment:</u>	<u>Manufacturer:</u> XCMG <u>Year of Manufacture:</u> 2021 <u>Model:</u> QY50KC <u>Serial Number:</u> 20211145 <u>Chassis Number:</u> LXGCPA447MA015058 <u>Plate Number:</u> 10755		
Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom			
<u>Name and address of employer for whom the thorough examination was made:</u> CPECC			
<u>Address of premises at which the examination was made:</u> ZUBAIR MUSHRIF			
	<u>Main Hoist Wire Diameter:</u> 18(mm) <u>Crane Capacity:</u> 50 Ton <u>Main Hook Capacity:</u> 55Ton) <u>Main Hook Serial Number:</u> ID00755	<u>Boom Length (Max-Min)</u> 11.7 – 45.5 (Meter) <u>Safe Working Load (SWL):</u> 50 Ton with fully extended outriggers	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @6 Falls	Boom Length(m)	Radius (m)	SWL (Ton)	Proof Load (Ton)
Load test at 100 % SWL (Min.radius)	20.1	4	35	NIL
Load test at 100 % SWL (Intermediate radius)	32.8	12	13.5	NIL
Load test at 100 % SWL (Max. radius)	45.5	24	4.1	4.1

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?
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?
				After the occurrence of exceptional circumstances?

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:

-Visual, Functional & Performance Test Was Carried Out Satisfactory as Per BS 7121-2-1 & BS 7121-2-3:2012.

-MPI has Been Done to the Main Hook According to ASTM E 709.

IS THIS EQUIPMENT SAFE TO OPERATE? **YES** **✓** **NO**

Name & Qualifications of person making this report: Mostafa Mohammed	Name of person authenticating this report: Ahmed Yahiya	Latest date by which next thorough examination must be carried out: 08/08/2027
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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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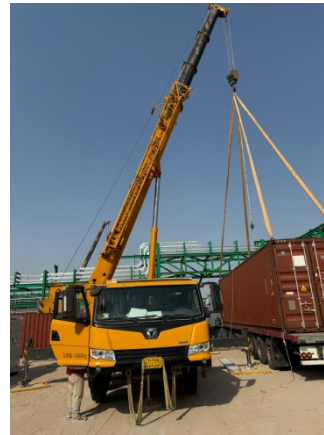
6 – OUTRIGGERS	OK	NO	NA	Comments
Locking mechanism	✓			
Retraction / Travel alarm	✓			No Travel Alarm
Foot pads / Hydraulic hoses and fittings	✓			
Seals	✓			
7 - SLEWRING	OK	NO	NA	Comments
Brake / rocking motions / Bolts	✓			
Lubrication	✓			
Gear teeth on slew ring and pinion	✓			
Clutch	✓			
8 – COUNTERWEIGHTS	OK	NO	NA	Comments
Security / Connection / Hydraulics / Rams	✓			
Hoses	✓			
Fittings	✓			
9 – MAIN BLOCK / WHIP LINE	OK	NO	NA	Comments
Hook / Safety 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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QY50K 汽车起重机产品信息与性能参数

表3-1 主臂额定起重重量 (平衡重9.5t, 全伸支腿7.5m) 单位: kg

臂长 (m)	11.6	15.9	20.1	26.5	32.8	39.2	45.5
3	50000						
3.5	50000	46000					
4	48000	44000	35000				
4.5	45500	42000	33000	26000			
5	40500	39000	34000	26000			
6	37000	31500	30500	26000	20200		
7	27500	26000	27000	24500	20200	15300	
8	23500	23200	23000	20200	20200	15200	
9	19800	19000	19500	18000	14400	10100	
10	16800	16600	17800	16500	13800	9900	
12	12200	11900	13100	13500	12600	9100	
14		8700	9800	10500	10900	8500	
16		6400	7500	8200	8600	8100	
18			5900	6500	6900	7500	
20			4600	5200	5600	5900	
22			3600	4200	4600	4900	
24				3400	3800	4100	
26					2700	3100	
28						2600	
30						2100	
32						1900	
34						1500	
36						1200	
38						900	
40						700	
5	12	10	8	6	4	3	3
3	0	0%	0%	0%	0%	0%	0%
4	0	0%	0%	20%	30%	70%	100%
5	0	0%	0%	20%	30%	70%	100%
5	0	0%	0%	20%	30%	70%	100%
24° ~ 69°	32° ~ 73°	30° ~ 76°	28° ~ 79°	35° ~ 79°	33° ~ 80°	26° ~ 80°	

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LOAD TEST & NDT (MPI) REPORT

Report No:	2608302	Examination Date:	09/08/2026
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 Serial Number:	ID00755	AUX. Hook Serial Number:	N/A
Main Hook SWL:	55TON	AUX. Hook SWL:	N/A

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: Mostafa Mohamed

RESULT: **PASS**



RAS-MC-001; REV001 ,2024