QUALITY CONTROL	Al Takamul Company for Engineering Services Quality Control – Iraq	

Certificate of Thorough Examination & NDT for Lifting Equipment

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations.

Client:	Alaq Alrayam Company	Certificate no:	QC-B-01-26-023-01
Location:	QC Yard	Job Order No:	QC-B-01-26-023
Date of Examination:	09-Jan-2026	Next Inspection Date:	08-Jul-2026
Production No / VIN	12495 / L5E6H4D34NA012495	Proof Load Test Date:	26-Nov-2024
Safe Working Load (SWL):	50 Ton	Last Inspection Date:	26-Nov-2024
Description of Equipment	Diesel Operated Hydraulic Telescopic Boom Mobile Crane. 50 Ton SWL @ 3 m Radius & 11.5 m Boom Length, on Full Parts of Line, Fully Extended Outriggers, with a counterweight attached. Manufacturer / Date: ZOOMLION / 12-2022 Chassis No: L5E6H4D34NA012495 Trade Mark & Model: ZLJ5420JQZ50A Product Characteristic Code: ZTC500A562-1 Basic Boom Length: 11.15 m to 45.0 m Max Radius: 3.0 m to 36.0 m Main Hoist S/N: 2210000439, SWL: 55 Ton Wire rope: 18 mm Non-Spin Rotating Type Auxiliary Hoist S/N: 001, SWL: 2.5 Ton Wire rope: 18 mm Non-Spin Rotating Type Registration No: A 98465 Basra		
Ref. Standard	BS 7121-3:2017+A1:2019		

	No. of Falls	Radius	Boom Length	SWL	Load Applied
Main Block	4	3.0 m	11.5 m	50.0 Ton	---
		22.0 m	26.3 m	3.2 Ton	3.1 Ton
Aux. Line	1	26.0 m	32.6 m	2.4 Ton	Function Test

Examination Type	Pass	Fail	Notes
Operational (No Load)	☑		Mobile Crane Found Satisfactory for Further Use.
Performance Test (Rated Capacity)	☑		The mobile crane was found to be acceptable for lifting 100% of the SWL.
Proof Load Test (1.25 x Rated Capacity)	----		Proof Load Test Shall Be Done After any Repair/ Modification.

Is this the first examination after installation or assembly at a new site or location?					Was the examination carried out?				
	YES		NO	√	Within 6 months?	YES	√	NO	
					Within 12 months?	YES		NO	√
If the answer to the above question is YES, has the equipment been installed correctly?	YES		NO		By an examination scheme?	YES	√	NO	
					After the occurrence of exceptional circumstances?	YES		NO	√

Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect: (If none, state NONE)
None (The load indicator only displays the operational capacity)

Is the above a defect that is of immediate danger to persons	YES	√	NO	

Is the above a defect that is not yet, but could become a danger to persons: (If YES, state the date by which)

Particulars of any repair, renewal, or alteration required to remedy the defect identified above: None

Particulars of Any Tests Carried Out as Part of The Examination: (If None, State None)

In light of the inspection findings, the subject Mobile Crane was visually and operationally inspected, and a Function test, as well as MPI of the Main and auxiliary hooks, were performed. No defects were observed during testing. Hence, it was found satisfactory and fit for the intended use.

Is This Equipment Safe to Operate?	Yes, Accept	√	NO Reject	

LEEA & ASNT Level II Inspector Name:	Signature:	Authenticating This Report:	Signature:
Mohamed Abdullah		Ashraf ElSaid	

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Al Takamul Company for Engineering Services Quality Control – Iraq

Client Name:	Alaq Alrayam Company	Location:	QC Yard	Certificate No:	QC-B-01-26-023-01
Date of Examination:	09-Jan-2026	SWL:	50 ton	Production No / VIN	12495 / L5E6H4D34NA012495

Components	Satisfactory	Comments
Structure		
Structure & Data Plate	☑ Satisfactory	
Slew Bearing Turn Freely/ Mechanism	☑ Satisfactory	
Chassis	☑ Satisfactory	
Crane Tires & Nuts	☑ Satisfactory	
Outriggers		
Hoses	☑ Satisfactory	
Extension rams	☑ Satisfactory	
Interlocking system	☑ Satisfactory	
Connecting Bolts and Pins	☑ Satisfactory	
Levelling system	☑ Satisfactory	
Paintwork	☑ Satisfactory	
Outrigger pads	☑ Satisfactory	
Boom		
Condition	☑ Satisfactory	
Hydraulic hoses	☑ Satisfactory	
Extension Rams	☑ Satisfactory	
Extension Interlocks	☑ Satisfactory	
Boom main hoist Ram	☑ Satisfactory	
Main hoist Ram footprint	☑ Satisfactory	
Jib, Boom, Boom Extension, Turret	N/A	
Counter Weight:		
Ballast weights pick up Rams	☑ Satisfactory	
Hydraulic hoses	☑ Satisfactory	
Operation	☑ Satisfactory	
Ballast weights	☑ Satisfactory	
Electrics		
Switchgear and panels	☑ Satisfactory	
Connections/wiring	☑ Satisfactory	
Operations	☑ Satisfactory	
Automatic Safe Load Indicators and Limit Switches		
Radius/ Boom/ Angle Indicators	☑ Satisfactory	
Safe Load Indicator & Overload Limit Switch	☑ Satisfactory	
Audible & Visual Alarms are operative	☑ Satisfactory	
Anti-Two-Block Switches Operation	☑ Satisfactory	
Position and visibility	☑ Satisfactory	

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QUALITY CONTROL	Al Takamul Company for Engineering Services Quality Control – Iraq	

Client Name:	Alaq Alrayam Company	Location:	QC Yard	Certificate No:	QC-B-01-26-023-01
Date of Examination:	09-Jan-2026	SWL:	50 ton	Production No / VIN	12495 / L5E6H4D34NA012495

Components	Satisfactory	Comments
Hydraulic System		
Flexible Hoses and Hose Connections	☑ Satisfactory	
Hydraulic Cylinder	☑ Satisfactory	
Hydraulic Cylinder Fittings	☑ Satisfactory	
Hydraulic Filter	☑ Satisfactory	
Pump Condition	☑ Satisfactory	
Oil Seepage/ Leakage	☑ Satisfactory	
Wire Ropes / Fittings / Hook Blocks / Sheaves/ Drum		
Wire Rope Condition	☑ Satisfactory	
Rope Reeving on Drum	☑ Satisfactory	
Drum Condition	☑ Satisfactory	
Main Hook Block	☑ Satisfactory	
Hook Safety Latch	☑ Satisfactory	
Sheaves	☑ Satisfactory	
Wedge Socket & Dead-End Anchorage Point	☑ Satisfactory	
Boom Angle Indicator	☑ Satisfactory	
Operator Cabin & General		
Cabin condition	☑ Satisfactory	
Visibility	☑ Satisfactory	
Seating	☑ Satisfactory	
Heat and ventilation	☑ Satisfactory	
Manufacturers rating charts	☑ Satisfactory	
Access and egress	☑ Satisfactory	
Control markings	☑ Satisfactory	
Control operation	☑ Satisfactory	
Windscreen wipers	☑ Satisfactory	
Fire Extinguisher Availability	☑ Satisfactory	
Operational Test		
Hoisting Up & Down	☑ Satisfactory	
Boom Extraction and Subtraction	☑ Satisfactory	
Boom Raising and Lowering	☑ Satisfactory	
Slewing Operation & Alarm	☑ Satisfactory	
Drum Operation	☑ Satisfactory	
Levers Operation (In Operator Cabin)	☑ Satisfactory	
Reverse Alarm & Operation	☑ Satisfactory	
Lights, Horn & Indicators	☑ Satisfactory	

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QUALITY CONTROL	Al Takamul Company for Engineering Services Quality Control – Iraq	

Client Name:	Alaq Alrayam Company	Location:	QC Yard	Certificate No:	QC-B-01-26-023-01
Date of Examination:	09-Jan-2026	SWL:	50 ton	Production No / VIN	12495 / L5E6H4D34NA012495

Test Methods:	Result	Comments
VT	☑ Accept	
MT	☑ Accept	MPI of Main Hook SN: 2210000439& Auxiliary Hook SN: 001
Functional Test	☑ Accept	
Performance Test	☑ Accept	
Proof Load Test {1.25 X SWL}	---------	
Functional Test		
Carried out without load on all functions (including brakes and safety devices) and controls to check the correct and smooth equipment operation, free from wear and other damage.		
Performance Test		
Carried out after Functional Test and with the rated load (SWL) applied, where the Hoist brakes were found satisfactory.		
Proof Load Test		
Carried out after the Performance Test and with the 1.25 x (SWL) applied load, where the Hoist brakes were found satisfactory.		

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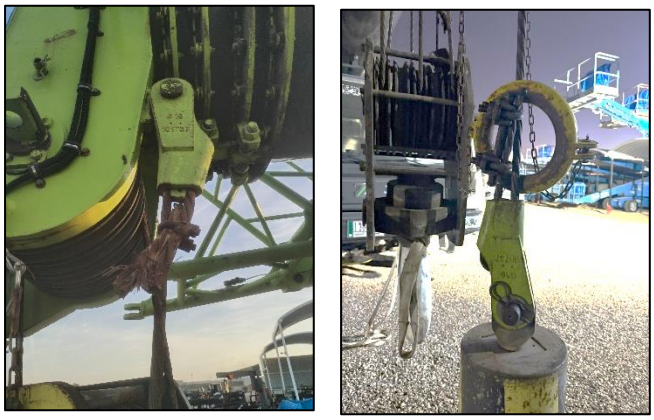
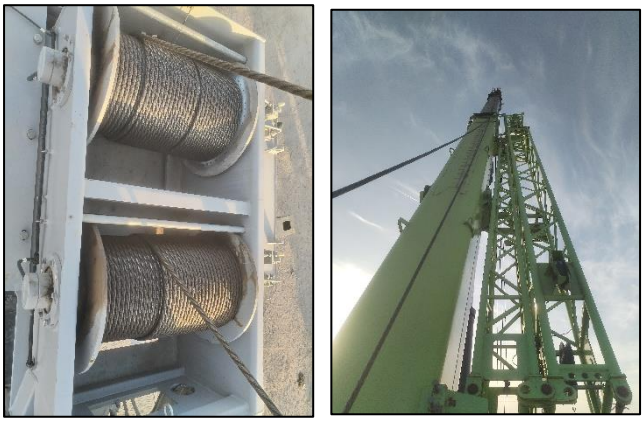
Main Hoist Block & Whip line Sheaves found satisfactory at the time of inspection



Crane wedge sockets & Wire Ropes Termination found satisfactory at the time of inspection



Wire ropes & Drum Reeving Functions, Rollers, and Sheaves were found satisfactory at the time of inspection

Crane Level gauge & Lever Control, found satisfactory at the time of inspection

Crane front piston & Outriggers, found satisfactory at the time of inspection.

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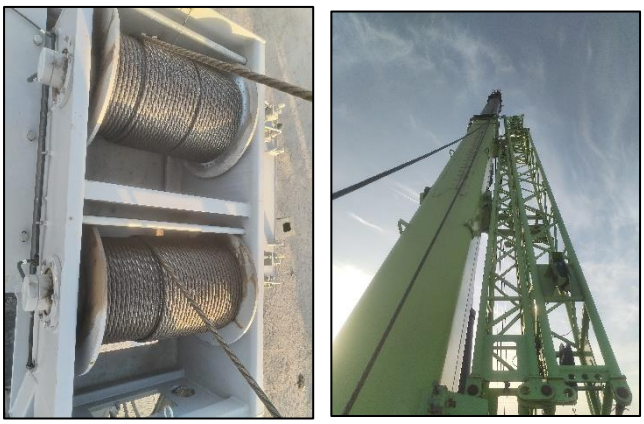
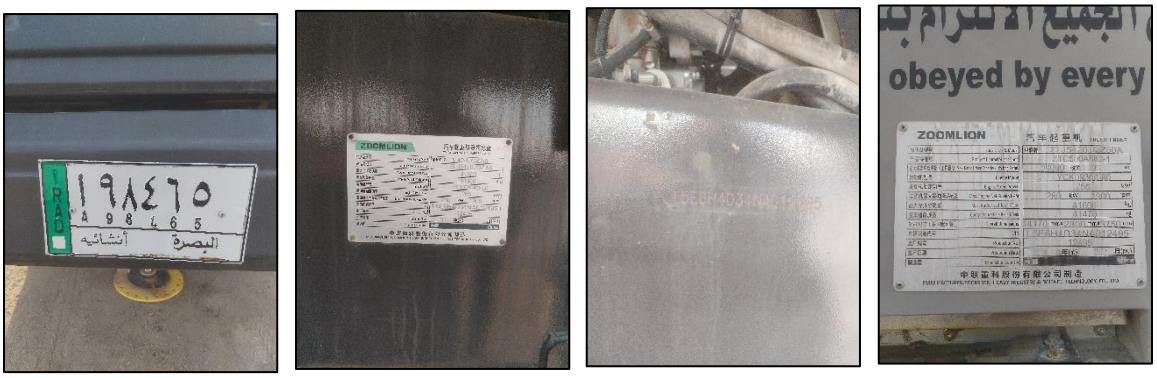
Boom Cylinder & Piping, Boom Sections,
found satisfactory at the time of inspection

Crane Load Chart
Crane Load Indicator



Wire ropes & Drum Reeving Functions, Rollers,
and Sheaves

Operator cabin,
and geared winch tray



Registration No, Data Pallet, Chassis No

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