



## Thorough Examination of Mobile Crane - Checklist Report

<b>Checklist - Report Number:</b>	ATS-09-24-4286-MC-02	<b>Equipment Cert. No:</b>	ATS-09-24-4286-MC-01
<b>Owner name and address:</b>	HILONG OIL SERVICE AND ENG CO, Iraq	<b>Date of Examination</b>	11-Sep-2024
<b>Location of Examination:</b>	HILONG RIG 99 / RU264	<b>Serial No.:</b>	20180287
<b>Manufacturer / Maker:</b>	XCMG /Model: QY50KA	<b>Crane Type / Model No.:</b>	XZJ5428JQZ50K
<b>Date of Manufacture</b>	2018	<b>Chassis No:</b>	LXGCPA429JA008588
<b>SWL:</b>	50 T	<b>Plate registration No:</b>	2667 / BASRA

Inspected item / Point	Comments	Accept Reject	
		■	□
Marking of Identification Number		■	□
Marking of controls		■	□
Marking of warning/safety notes		■	□
Crane charts		■	□
Engine (gearbox, filters, belts, pulleys, radiator, hoses, mechanical parts, etc.)		■	□
Brakes, discs		■	□
Tyres		■	□
Wheels		■	□
Crane chassis		■	□
Outrigger jacks		■	□
Outrigger pins		■	□
Outrigger controls		■	□
Outrigger level gauges		■	□
Outrigger pads / mats		■	□
Fastenings		■	□
Valves		■	□
Hydraulic tank		■	□
Hydraulic cylinders		■	□
Hydraulic cylinder fittings		■	□
Fuel tank		■	□
RCI/RCL		■	□
Limit switches		■	□
Lubrication		■	□
Slew section structure		■	□
Slewing mechanism (jib at max. radius)		■	□
Pipe work and connections		■	□
Hydraulic system operation high & low limits		■	□





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Fluids: levels, leakage	Fuel:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Hydraulic Oil:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Radiator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Engine & Gear box Oil:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Superstructure		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rotex gear / rotating frame		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boom and boom cylinder		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Jib		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fly jib and mounting attachment	N/A - Not in use	<input type="checkbox"/>	<input type="checkbox"/>
Crane attachments		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Main hook block condition	SN: FE000141 / SWL: 50T / 517 Kg Weight	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aux. Hook block condition	SN: T12 / SWL: 4.5 T	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pulleys		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sheaves		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Drums		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wire ropes: condition, reeving, functionality	Main hoist: 18 mm Dia. / IWRC/ 180 m length Auxiliary Hoist: 18 mm Dia. / IWRC/ 125 m length	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ladders		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Walkways		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Guard rails		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hand holds		<input checked="" type="checkbox"/>	<input type="checkbox"/>
cabs controls/levers	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cabs gauges	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cabs seating, seatbelts	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cabs doors, windows and mirrors	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>





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Cabs: heat and ventilation systems	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Windscreen wipers and washers	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cabs: Falling Object Protection FOP	Operator:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Driver:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Counterweights		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hoist and luffing winches and brakes		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cables and wiring		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slip rings		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Guards: presence, condition		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery, wires, electricity		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sensors and limit switches		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front and tail lights, warning beacon, and warning lights		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alarm sounds		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overload alarm / protection		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Horn		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Anti-two block		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crane: functionality (Hoist, swing, boom up/down, boom telescoping, steering, brakes)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other observation(s)		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Inspector Name, Qualifications & signature:

Hasan Omran

NDT Level II (VT, MT, PT, UT)  
LEEA Registered Technician

ATS Stamp:





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Observations and Pictures:



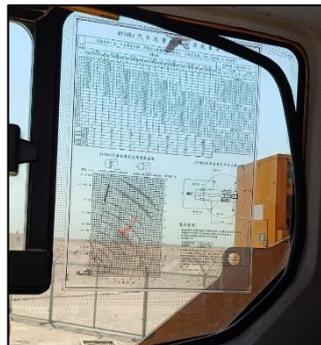
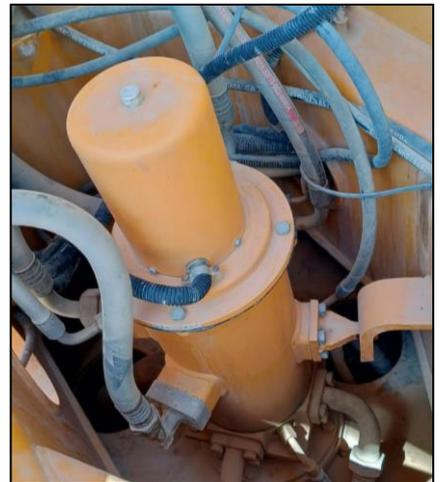


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Functional test: 19.4 m boom length / 8.0 m radius / 0.6 t hook weight / 22.50 t SWL



Load test: 19.4 m boom length / 10.0 m radius / 10.75 t applied load + 0.6 t hook weight / 11.15 t actual /

**Final Conclusion**

- \*Mobile Crane: Visual, functional, performance and load tests were carried out & found accepted
- \* Mobile Crane: found safe to continue in service

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