



## Certificate of Thorough Examination & NDT for Lifting Equipment

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

Client:	Aberdeen Technical Service Company	Certificate no:	QC-YB-240124-01
Location:	Aberdeen Yard	Job Order No.:	QC-YB-240124
Date of Examination:	16-Dec-2024	Next Inspection Due:	15-Dec-2025
Equipment Serial No:	437369	Last Proof Load Test Date:	31-Dec-2023
S.W. L:	55 ton	Last Inspection Date:	11-Jan-2023

Description of Equipment	Diesel Operated Hydraulic Telescopic Boom Mobile Crane  55 Ton SWL @ 3.0 m Radius & 11.1 m Boom Length, on Full Parts of Line, Fully Extended Outriggers 6.8 m, and with a counterweight attached. Manufacturer / Date: TADANO / 2015 Chassis No: KG48U-00045 Model: GT-550E-1-10202 Basic Boom Length: 11.1 m – 42.0 m Max Radius: 3.0 m - 34.0 m Main Hoist S/N: ZXD60Z14002, SWL: 55.0 Ton Wire Rope: 19 mm Dia Rotating Type Auxiliary Hoist S/N: U384-262, SWL: 4.5 Ton Wire Rope: 19 mm Dia Spin Resistant Type Registration No: A 12333 Basra				
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Ref. Standard	BS 7121-3:2017+A1:2019				
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Main Block	No. of Falls	Radius	Boom Length	SWL	Load Applied
	7	3.0 m	18.8 m	28.0 Ton	---
		8.0 m	18.8 m	17.6 Ton	16.4 Ton
Aux. Line	1	18.0 m	42.0 m	4.2 Ton	Function Test

Examination Type	Pass	Fail	Notes
Operational (No Load)	<input checked="" type="checkbox"/>		Mobile Crane Found Satisfactory for Further Use.
Performance Test (Rated Capacity)	<input checked="" type="checkbox"/>		Mobile Crane was found to be acceptable for lifting 100 % from 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?	YES		NO		Was the examination carried out:					
				<input checked="" type="checkbox"/>	Within 6 months?		YES		NO	
If the answer to the above question is YES has the equipment been installed correctly?	YES		NO		Within 12 months?		YES	<input checked="" type="checkbox"/>	NO	
					By an examination scheme?		YES	<input checked="" type="checkbox"/>	NO	
					After the occurrence of exceptional circumstances?		YES		NO	<input checked="" type="checkbox"/>

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 which 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 when)

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 the light of inspection findings, the subject Mobile Crane was Inspected visually, and operationally and a Function test & MPI of the Main & Auxiliary Hook & were performed where 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 El Said	

**THIS IS TO CERTIFY THAT:** a competent person (detailed in the above-mentioned owner's work location on the date shown above and the Equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of inspection and considered Safe for Lifting.



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Components	Satisfactory	Comments
<b>STRUCTURE</b>		
Structure & Data Plate	<input checked="" type="checkbox"/> Satisfactory	
Slew Bearing Turn Freely/ Mechanism	<input checked="" type="checkbox"/> Satisfactory	
Chassis	<input checked="" type="checkbox"/> Satisfactory	
Crane Tires & Nuts	<input checked="" type="checkbox"/> Satisfactory	
<b>Outriggers</b>		
Hoses	<input checked="" type="checkbox"/> Satisfactory	
Extension rams	<input checked="" type="checkbox"/> Satisfactory	
Interlocking system	<input checked="" type="checkbox"/> Satisfactory	
Connecting Bolts and pins	<input checked="" type="checkbox"/> Satisfactory	
Levelling system	<input checked="" type="checkbox"/> Satisfactory	
Paintwork	<input checked="" type="checkbox"/> Satisfactory	
Outrigger pads	<input checked="" type="checkbox"/> Satisfactory	
<b>Boom</b>		
Condition	<input checked="" type="checkbox"/> Satisfactory	
Hydraulic hoses	<input checked="" type="checkbox"/> Satisfactory	
Extension rams	<input checked="" type="checkbox"/> Satisfactory	
Extension Interlocks	<input checked="" type="checkbox"/> Satisfactory	
Boom main hoist ram	<input checked="" type="checkbox"/> Satisfactory	
Main hoist ram footprint	<input checked="" type="checkbox"/> Satisfactory	
Jib, Boom, Boom Extension, Turret	<input checked="" type="checkbox"/> Satisfactory	
<b>Counter Weight:</b>		
Ballast weights pick up rams	<input checked="" type="checkbox"/> Satisfactory	Fixed
Hydraulic hoses	N/A	
Operation	N/A	
Ballast weights	N/A	
<b>Electrics</b>		
Switchgear and panels	<input checked="" type="checkbox"/> Satisfactory	
Connections/wiring	<input checked="" type="checkbox"/> Satisfactory	
Operations	<input checked="" type="checkbox"/> Satisfactory	
<b>AUTOMATIC SAFE LOAD INDICATORS AND LIMIT SWITCHES</b>		
Radius/ Boom/ Angle Indicators	<input checked="" type="checkbox"/> Satisfactory	
Safe Load Indicator & Overload Limit Switch	<input checked="" type="checkbox"/> Satisfactory	
Audible & Visual Alarms are operative	<input checked="" type="checkbox"/> Satisfactory	
Anti-Two Block Switches Operation	<input checked="" type="checkbox"/> Satisfactory	
Position and visibility	<input checked="" type="checkbox"/> Satisfactory	

LEEA & ASNT Level II Inspector Name:	Signature:	Authenticating This Report:	Signature:
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**THIS IS TO CERTIFY THAT:** a competent person (signature) has examined the above mentioned owner's work location on the date shown above and the Equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of inspection and considered Safe for Lifting.



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<b>HYDRAULIC SYSTEM</b>		
Flexible Hoses and Hose Connections	<input checked="" type="checkbox"/> Satisfactory	
Hydraulic Cylinder	<input checked="" type="checkbox"/> Satisfactory	
Hydraulic Cylinder Fittings	<input checked="" type="checkbox"/> Satisfactory	
Hydraulic Filter	<input checked="" type="checkbox"/> Satisfactory	
Pump Condition	<input checked="" type="checkbox"/> Satisfactory	
Oil Seepage/ Leakage	<input checked="" type="checkbox"/> Satisfactory	
<b>WIRE ROPES/ FITTINGS/ HOOK BLOCKS/ SHEAVES/ DRUM</b>		
Wire Rope Condition	<input checked="" type="checkbox"/> Satisfactory	
Rope Reeving on Drum	<input checked="" type="checkbox"/> Satisfactory	
Drum Condition	<input checked="" type="checkbox"/> Satisfactory	
MAIN Hook Block	<input checked="" type="checkbox"/> Satisfactory	
Hook Safety Latch	<input checked="" type="checkbox"/> Satisfactory	
Sheaves	<input checked="" type="checkbox"/> Satisfactory	
Wedge Socket & Dead-End Anchorage Point	<input checked="" type="checkbox"/> Satisfactory	
Boom Angle Indicator	<input checked="" type="checkbox"/> Satisfactory	
<b>OPERATOR CABIN &amp; GENERAL</b>		
Cabin condition	<input checked="" type="checkbox"/> Satisfactory	
Visibility	<input checked="" type="checkbox"/> Satisfactory	
Seating	<input checked="" type="checkbox"/> Satisfactory	
Heat and ventilation	<input checked="" type="checkbox"/> Satisfactory	
Manufactures rating charts	<input checked="" type="checkbox"/> Satisfactory	
Access and egress	<input checked="" type="checkbox"/> Satisfactory	
Control markings	<input checked="" type="checkbox"/> Satisfactory	
Control operation	<input checked="" type="checkbox"/> Satisfactory	
Windscreen wipers	<input checked="" type="checkbox"/> Satisfactory	
Fire Extinguisher Availability	<input checked="" type="checkbox"/> Satisfactory	
<b>OPERATIONAL TEST</b>		
Hoisting Up & Down	<input checked="" type="checkbox"/> Satisfactory	
Boom Extraction and Subtraction	<input checked="" type="checkbox"/> Satisfactory	
Boom Raising and Lowering	<input checked="" type="checkbox"/> Satisfactory	
Slewing Operation & Alarm	<input checked="" type="checkbox"/> Satisfactory	
Drum Operation	<input checked="" type="checkbox"/> Satisfactory	
Levers Operation (In Operator Cabin)	<input checked="" type="checkbox"/> Satisfactory	
Reverse Alarm & Operation	<input checked="" type="checkbox"/> Satisfactory	
Lights, Horn & Indicators	<input checked="" type="checkbox"/> Satisfactory	

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

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Test Methods:	Result	COMMENTS
VT	<input checked="" type="checkbox"/> Accept	
MT	<input checked="" type="checkbox"/> Accept	MPI of Main & Auxiliary Hook
Functional Test	<input checked="" type="checkbox"/> Accept	
Performance Test	<input checked="" type="checkbox"/> 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 Hoist brakes were found satisfactory.
Proof Load Test		Carried out after Performance Test and with the 1.25 x (SWL) applied load where Hoist brakes were found satisfactory.

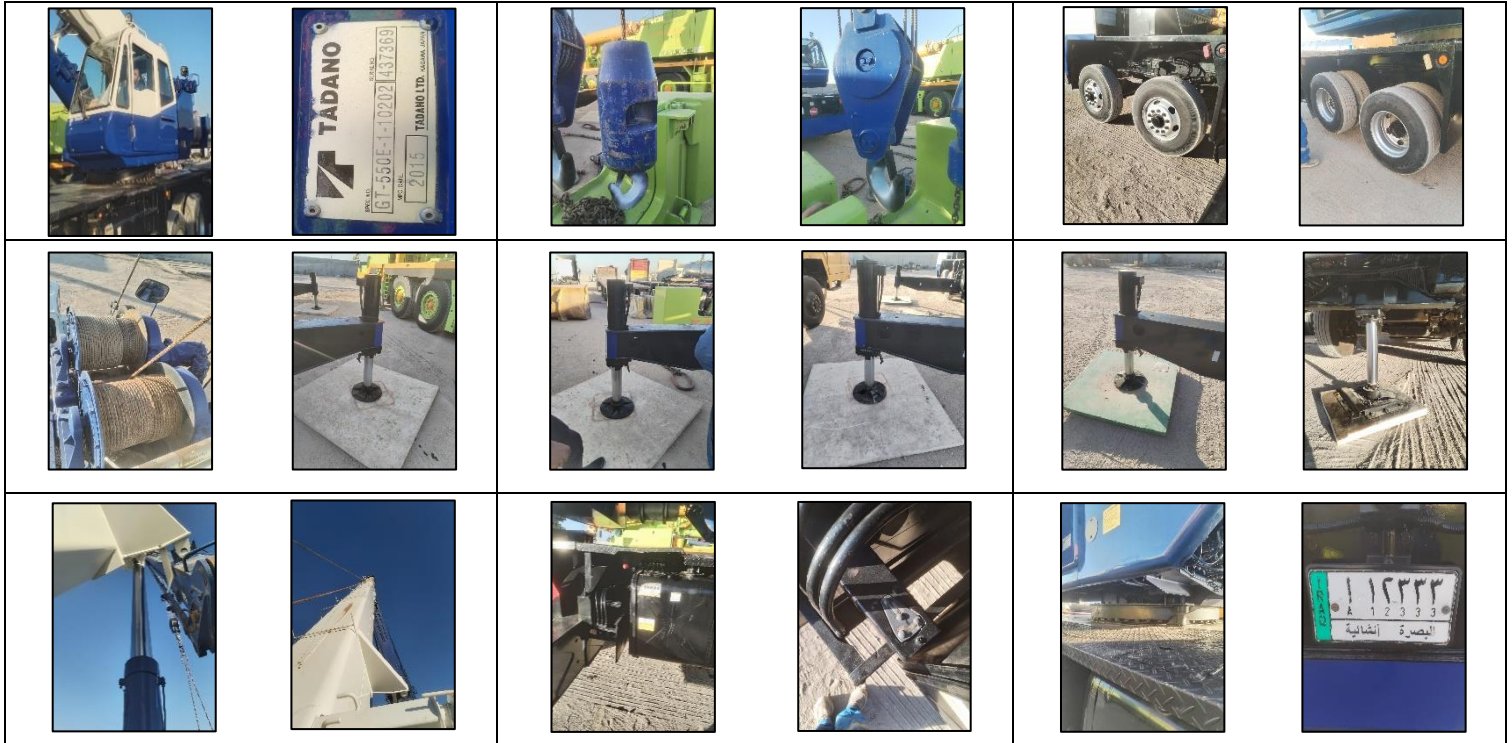
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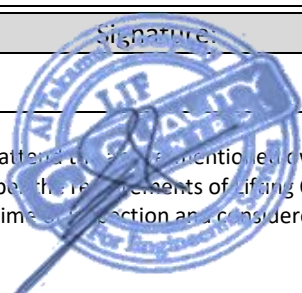
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Al Takamul Company for Engineering  
Services Quality Control – Iraq



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