

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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CERTIFICATE OF THOROUGH EXAMINATION & LOAD TEST

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

Client Nme:	AMJJAD AL ASEMA CO	Location:	AL-ASEMA YARD	Certificate No:	QC-10-23-1413-C01
Date of Examination:	31-Oct-2023	Date of Report:	31-Oct-2023	Job Number:	QC-10-23-AA-1413
Equipment Serial No:	8125427	Chasses No:	JNBOKG54T00000825	REG No:	A 4622 BASRA
SWL:	50-TON				
Description of Equipment	DIESEL-OPERATED HYDRAULIC TELESCOPIC BOOM MOBILE CRANE				
	MANUFACTURER/YEAR: KATO –2012 MAX CAPACITY: 50 TON, 3.0 M RADIUS & 10.8 M. BOOM LENGTH, ON 12 FALLS Fully Part Lines with Minimum Radius with Fully Extended Outriggers MAIN HOIST CAPACITY: 50 TON MAIN HOIST WIRE ROPE: 19 mm			MODEL: NK-500E-III AUXILIARY HOIST WIRE ROPE: 19mm AUXILIARY HOIST CAPACITY: 4 Ton MAX RADIUS: 3.0 M TO 31 M MAX BOOM LENGTH: 10.8 M TO 40 M	
Ref. Standard	BS 7121-3:2017+A1:2019				

Date of Last Examination:	15-OCT-2022	PROOF LOAD TEST	15-OCT-2022
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	No. of Falls	Radius (m)	Boom Length (m)	SWL (ton)	Load Applied (ton)
MAIN BLOCK	12	3 M	10.8 M	50.0 Ton	NIL
	07	10.0 M	18.1 M	11.40 Ton	Function Test
		7.5 M	18.1 M	18.5 Ton	18.2 Ton
		14.0 M	18.1 M	5.80 Ton	Function Test
AUXILIARY BLOCK	01	16 M	18.1 M	4.25 Ton	Function Test

Examination Type	Pass	Fail	Notes
Operational (No Load)	√		Crane Found Satisfactory For Further Use.
Performance Test (Rated Capacity)	√		Crane found to be acceptable to lift 100 % from SWL .
Proof Load Test (1.25 x Rated Capacity)			N/A

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	√
					Within an interval of 12 months?	YES	NO
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO		In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	NO	
	N/A				YES	NO	√

Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none State NONE) **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) N/A

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

Particulars of any tests carried out as part of the examination: (If none state NONE)

In the light of inspection findings subject Mobile Crane was Inspected visually, operationally and performance test was performed where no defects were observed during testing Hence, it was found satisfactory and fit for intended use.

IS THIS EQUIPMENT SAFE TO OPERATE? YES NO

Name of Inspector:	Name of person authenticating this report:	Signature & Stamp: 	
AIZAZ FARHAT	ASHRAF ELSAID		
Date of Next Through Examination:	30-OCT-2024		

REV: 01 Dated: 20 June 2022

THIS IS TO CERTIFY THAT; a competent person did attend 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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1. STRUCTURE		
DESCRIPTION	RESULT	COMMENTS
Structure & Data Plate	√	
Slew Bearing Turn Freely/ Mechanism	√	
Chassis	√	
Crane Tires & Nuts	√	
Outriggers: -		
Hoses	√	
Extension rams	√	
Interlocking system	√	
Connecting Bolts and pins	√	
Levelling system	√	
Paint work	√	
Out rigger pads	√	
Boom: -		
Condition	√	
Hydraulic hoses	√	
Extension rams	√	
Extension Interlocks	√	
Boom main hoist ram	√	
Main hoist ram foot pin	√	
Counter Weight:		
Ballast weights pick up rams	√	
Hydraulic hoses	√	
Operation	√	
Ballast weights	√	
Electrics		
Switchgear and panels	√	
Connections / wiring	√	
Operations	√	

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2. AUTOMATIC SAFE LOAD INDICATORS AND LIMIT SWITCHES

DESCRIPTION	RESULT	COMMENTS
Radius/ Boom/ Angle Indicators	√	
Safe Load Indicator & Overload Limit Switch	√	
Audible & Visual Alarms are operative	√	
Anti-Two Block Switches Operation	√	
Position and visibility	√	

3. HYDRAULIC SYSTEM

DESCRIPTION	RESULT	COMMENTS
Flexible Hoses and Hose Connections	√	
Hydraulic Cylinder	√	
Hydraulic Cylinder Fittings	√	
Hydraulic Filter	√	
Pump Condition	√	
Oil Seepage/ Leakage	√	

4. WIRE ROPES/ FITTINGS/ HOOK BLOCKS/ SHEAVES/ DRUM

DESCRIPTION	RESULT	COMMENTS
Wire Rope Condition	√	
Rope Reeving on Drum	√	
Drum Condition	√	
Hook Block	√	
Hook Safety Latch	√	
Sheaves	√	
Wedge Socket & Dead-End Anchorage Point	√	
Boom Angle Indicator	√	

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5. OPERATOR CABIN & GENERAL

DESCRIPTION	RESULT	COMMENTS
Cabin condition	√	
Visibility	√	
Seating	√	
Heat and ventilation	√	
Manufactures rating charts	√	
Access and egress	√	
Control markings	√	
Control operation	√	
Windscreen wipers	√	
Fire Extinguisher Availability	√	

6. OPERATIONAL TEST

DESCRIPTION	RESULT	COMMENTS
Hoisting Up & Down	√	
Boom Extraction and Subtraction	√	
Boom Raising and Lowering	√	
Slewing Operation & Alarm	√	
Drum Operation	√	
Levers Operation (In Operator Cabin)	√	
Reverse Alarm & Operation	√	
Lights, Horn & Indicators	√	

Name of Inspector:	Name of person authenticating this report:	Signature & Stamp:	
AIZAZ FARHAT	ASHRAF ELSAID		
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REV: 01 Dated: 20 June 2022

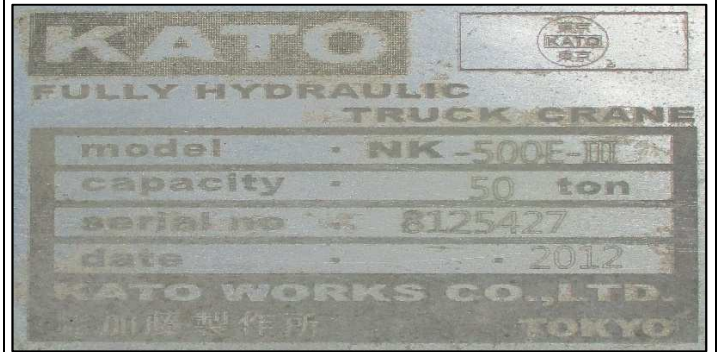
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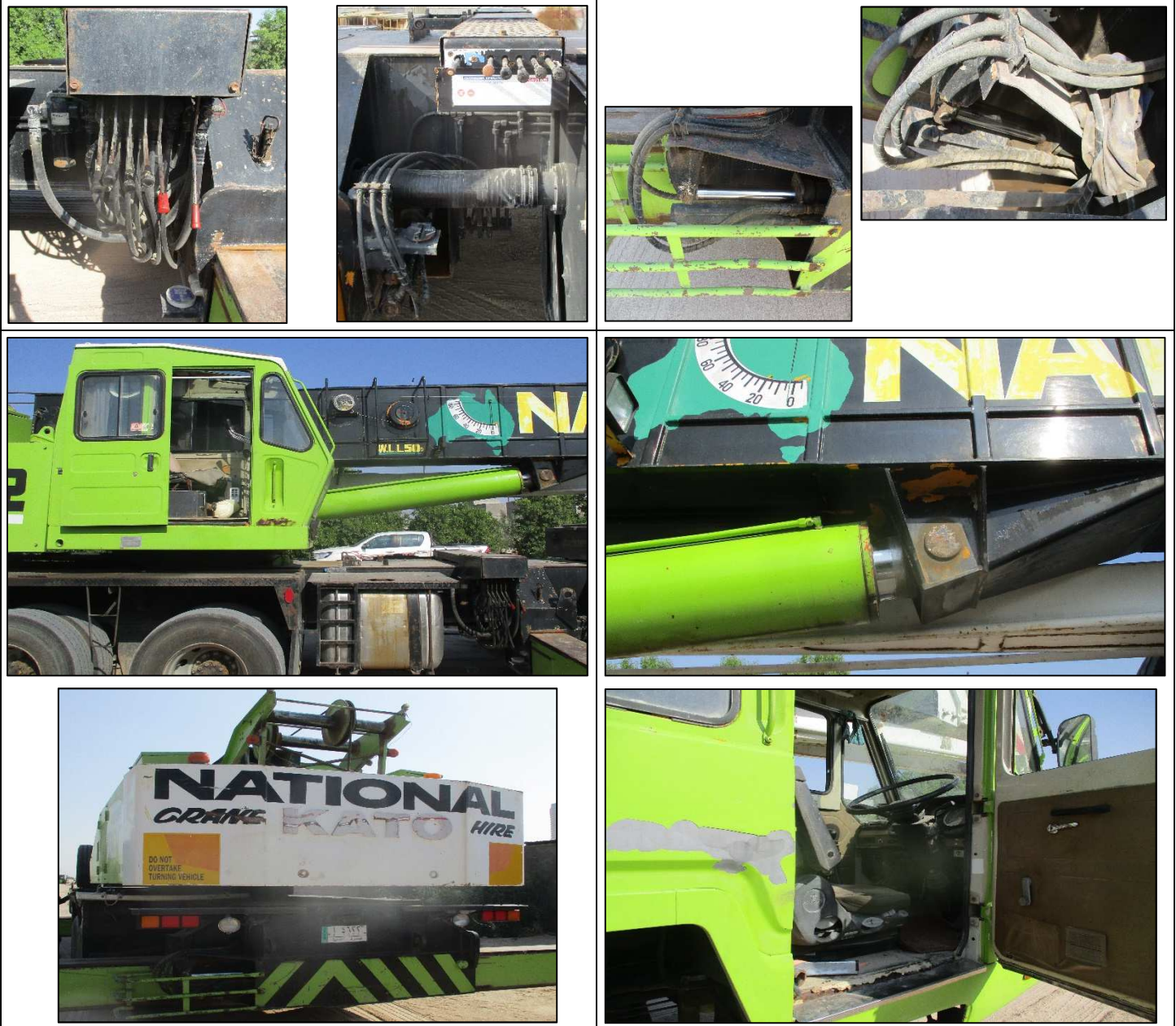
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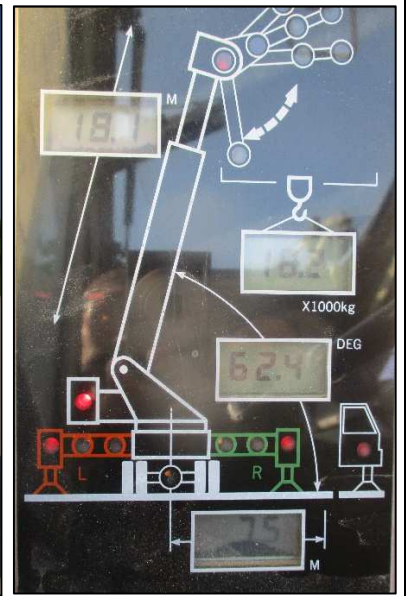
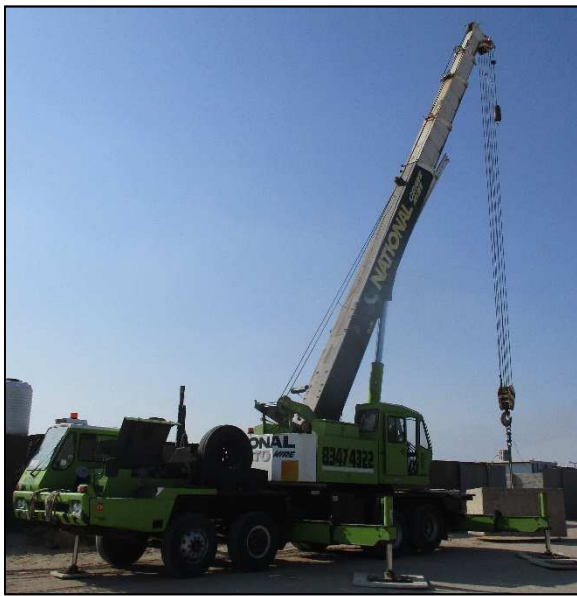
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KATO NK-500E-III RATED LIFTING CAPACITIES (t)					
Based on *BS 1757:1981 *DIN 15019-2 *75% of tipping loads					
With fully extended outriggers and front jack - 360° full range					
With fully extended outriggers - 180° full range					
Working radius (m)	10.8m Boom	18.1m Boom	25.4m Boom	32.7m Boom	40.0m Boom
3.0	50.00	28.00			
3.5	42.20	28.00	18.00		
4.0	37.00	28.00	18.00		
4.5	33.00	28.00	18.00		
5.0	30.20	28.00	18.00	13.00	
5.5	27.50	25.60	18.00	13.00	
6.0	25.00	23.50	18.00	13.00	
6.5	22.70	21.80	18.00	13.00	7.50
7.0	20.70	20.00	16.80	13.00	7.50
7.5	18.90	18.50	15.70	13.00	7.50
8.0	17.40	17.00	14.80	12.30	7.50
8.5	15.55	15.40	14.00	11.60	7.50
9.0	14.00	13.85	13.20	11.00	7.50
9.5		12.50	12.20	10.50	7.50
10.0		11.40	11.15	10.00	7.30
11.0		9.50	9.40	9.10	6.80
12.0		8.00	7.90	8.30	6.30
13.0		6.80	6.60	7.40	5.90
14.0		5.80	5.60	6.40	5.50
16.0		4.25	4.00	4.80	4.70
18.0			2.80	3.50	4.00
20.0			1.85	2.70	3.25
22.0			1.20	2.00	2.50
24.0			0.60	1.40	1.90
26.0				0.90	1.40
28.0				0.50	1.00
30.0					0.65
31.0					0.50

Standard hook: for 50 tons for 28 tons
 Hook weight: 500kg 330kg
 Parts of line: 12 7 5 4 3
 (Critical beam angle)



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