




## CERTIFICATE OF LOAD TESTING AND THOROUGH EXAMINATION

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

Client Name:	Al-Karrar Engineering Co.			Certificate No:	QC-J-4-2024-0145/01		
Date of Examination:	11.05.2024	Location:	Al-Karrar Yard	Job Number:	QC-J-4-2024-0145		
Equipment Serial No:	TC2050CC0165			SWL:	50 Ton		
Description of Equipment	Diesel Operated Hydraulic Telescopic Boom Mobile Crane 50 Ton SWL @ 3.0 m. Radius & 11.7 M. Boom Length, ON Fall Pats Line and Fully Extended Five Outrigger Manufacturer / Date: SANY / 06.2022 Chasses No: LFCNNF6P4N2002989 Model: SYM5416JQZ50E (STC500E) Basic Boom Length: 11.7 M to 45.5 M Max Radius: 38.0 M Main Hoist S/N: HCZ226109, SWL: 60 Ton, Wire rope: 20 MM Auxiliary Hoist S/N: 132702010630B, SWL: 6 Ton, Wire rope: 18 MM Registration No: A 94614 BASRA						
Ref. Standard	BS 7121-2/3 -2012						
Date of Last Examination	11.05.2024		Next Proof Load Test Date:	11.05.2024			
MAIN BLOCK	No. of Falls	Radius (m)	Boom Length (m)	SWL (ton)	Load Applied (ton)		
	Fall Pats	3.0 M	11.7 M	50 Ton	---		
	6	12 M	22.3 M	13.10 Ton	16.220 Ton		
AUX. LINE	1	20 M	29.0 M	5.40 Ton	Function Test		
Is this the first examination after Installation or assembly at a new site or location?		YES	✓	NO			
If the answer to the above question is YES has the equipment been installed correctly?		YES		NO			
			N/A				
		Was the examination carried out?					
		Within an interval of 6 months?			YES		
		With an interval of 12 months?			YES		
		In accordance with an examination scheme?			YES		
		After the occurrence of exceptional circumstances?			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) <b>NONE</b>							
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)				YES by:			
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 Function test, Proof Load 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		

REV: 01 Dated: 20 June 2022

ASNT Level II Inspector Name:	Authenticating This Report:	Signature & Stamp:	Date of Next Through Examination:
Khaled Mahmoud	Mohamed Abdulla		10.05.2025

**THIS IS TO CERTIFY THAT;** a competent person did attend the above-mentioned work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operation Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.






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Equipment Serial No:	TC2050CC0129		SWL:	50 Ton	

1. STRUCTURE		
DESCRIPTION	RESULT	COMMENTS
Structure & Data Plate	✓	
Slew Bearing Turn Freely/ Mechanism	✓	
Chassis	✓	
Crane Tires & Nuts	✓	
Outriggers: -		
DESCRIPTION	RESULT	COMMENTS
Hoses	✓	
Extension rams	✓	
Interlocking system	✓	
Connecting Bolts and pins	✓	
Levelling system	✓	
Paint work	✓	
Out rigger pads	✓	
Boom: -		
DESCRIPTION	RESULT	COMMENTS
Condition	✓	
Hydraulic hoses	✓	
Extension rams	✓	
Extension Interlocks	✓	
Boom main hoist ram	✓	
Main hoist ram foot pin	✓	
Counter Weight:		
DESCRIPTION	RESULT	COMMENTS
Ballast weights pick up rams	✓	
Hydraulic hoses	✓	
Operation	✓	
Ballast weights	✓	
Electrics		
DESCRIPTION	RESULT	COMMENTS
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	✓	
MAIN Hook Block	✓	
Hook Safety Latch	✓	
Sheaves	✓	
Wedge Socket & Dead-End Anchorage Point	✓	
Boom Angle Indicator	✓	

### 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	✓	

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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	✓	

Test Methods:		
DESCRIPTION	RESULT	COMMENTS
VT	✓	
MT	✓	
Functional Testing	✓	
Performance Testing	✓	
Proof Load Test {1.25 X SWL}	✓	

**Functional Testing:** Carried Out without Load on all functions (including brakes and safety devices) and Controls to check correct and smooth operation of equipment and is free from wear and other damage.

**Performance Testing:** 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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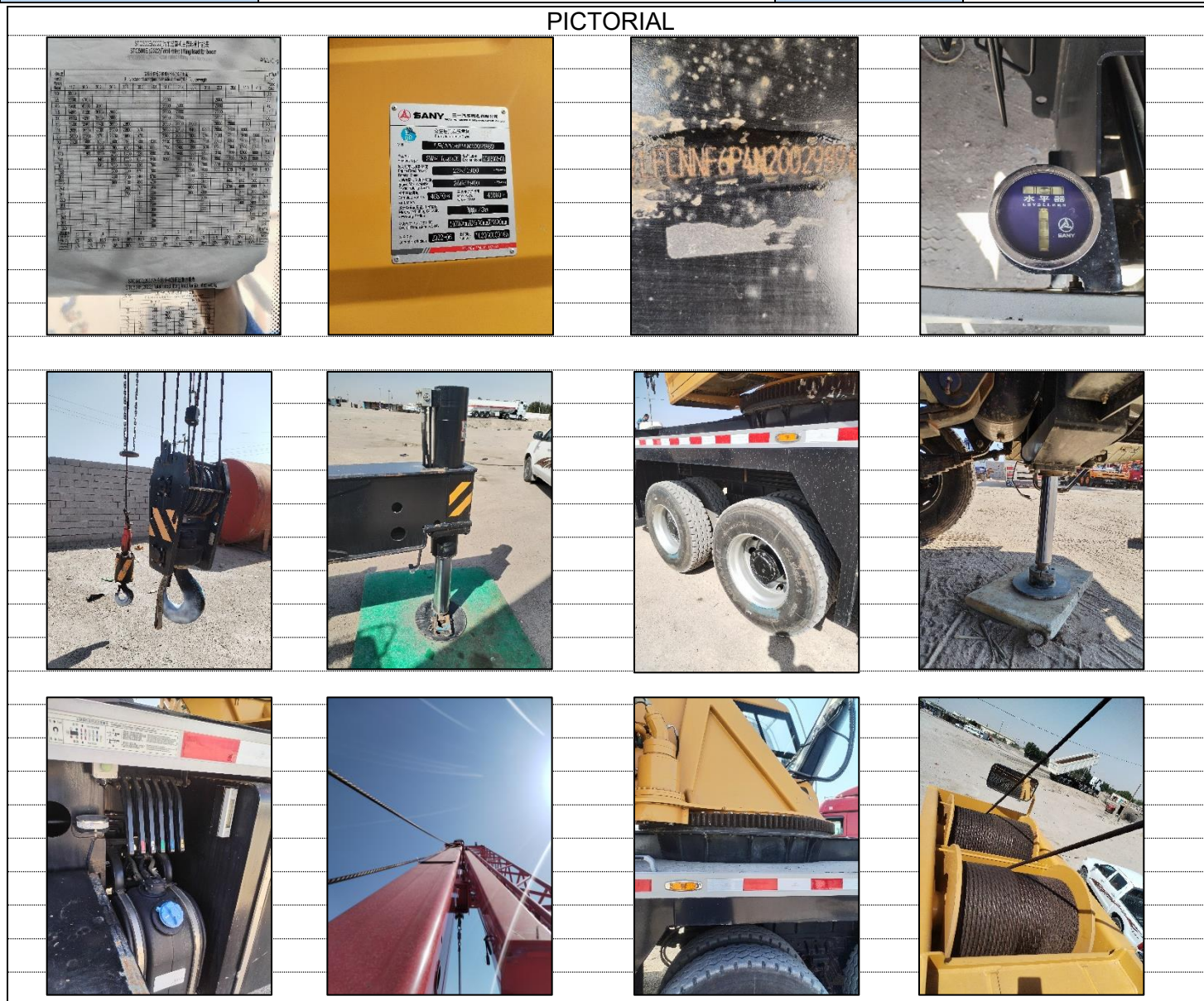



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