

MAGNETIC PARTICLE EXAMINATION REPORT

Date of Examination: 04/07/2023				Report No: HITECH/TIN-2022-229/MT-087			
Client: M/S.TRUCKOMAN EQUIPMENT RENTAL LLC, OMAN				Contractor: N/A			
Project: N/A				Location: HOIST-51-YIBAL,SULTANATE OF OMAN			
Procedure No. & Rev. No.: HITIS/GEN/MT/01 REV.02				Referencing Code / Specification: ASTM E709, AWS D1.1			
Acceptance Criteria: AWS D1.1 ED 2015				Material: C5			
Surface Condition: As Welded		Surface Temperature: Ambient		PWHT: N/A			
Method: ☒ Wet ☒ Visible ☐ Dry ☐ Fluorescent		Technique: ☒ Continuous ☐ Residual		Magnetization: ☒ Longitudinal ☐ Circular			
Equipment Type: Permanent Magnetic Yoke		Equipment Sr. No: GAIMMATEC SN00836		Cal. Validity: Prior to Job			
Type of Current: N/A		Lifting Power of Yoke: 18.1 KG		Sensitivity: ☒ Burnish Strip ☐ Pie Gauge III Lines Visible			
Source of Light: Day light				Light Intensity: ≥ 1000 lux/min			
Consumables: MAGNAFLUX							
Cleaner: MAGNAFLUX SKC-S		White Contrast: MAGNAFLUX WCP-2		Magnetic Ink: MAGNAFLUX 7HF			
Batch No:220513 BBE		Batch No: 220506 BBE		Batch No: 220508 BBE			
Validity: MAY-2025		Validity: MAY-2025		Validity: MAY-2025			
Item Description/Line No./ Drawing No.	Weld No	Welder No	Size	Sch. / WT	Observation (Map or Record of Indication)		Result (Acc./Rej.)
REGISTRATION NO & OWNER ID NO:- 4432 Y5 / PLM 1488 (MOBILE CRANE,MAKE: GROVE,2012)							
CRANE MAIN HOOK MPI (HOOK SL NO: 4789, CAPACITY-40.0 TONNE)	N/A	N/A	N/A	N/A	NO RELEVANT INDICATION OBSERVED		ACCEPTABLE
"MPI TEST CARRIED OUT SATISFACTORILY, FOUND NO RELEVANT INDICATIONS AT THE TIME OF INSPECTION"							
LATEST DATE BY WHICH NEXT MPI MUST BE CARRIED OUT:					03/07/2024		
Hi-Tech Inspection Services LLC		Contractor			Client/ TPI /AI		
Signature:		Signature:			Signature:		
							
							
Name: N.SREEKUMAR		Name:			Name:		
Qualification: MPIT Level II		Date:			Date:		
Date: 04/07/2023		Date:			Date:		

AN ISO / IEC 17020:2012 ACCREDITED INSPECTION BODY

CERTIFICATE OF TEST & THOROUGH VISUAL EXAMINATION OF MOBILE CRANE

Certificate No. : HITECH/TJN-2022-229/IC/014 Job No. : TJN-2022-229 Date of Inspection : 04/07/2023

Certificate No. : HITECH/PLM/22-225/10/021		Job No. : 1514 2022-225		Date of inspection : 20/07/2023		
Name & Address of the Owner :		M/S.TRUCKOMAN EQUIPMENT RENTAL LLC, SULTANTE OF OMAN				
Make & Date of Manufacture :		GROVE / 2012				
Location of Inspection :		HOIST 51-YIBAL,SULTANTE OF OMAN				
Ref. Standard :		BS7121-2-3:2012 / SP 2275 REV.2				
Registration No. & Owner No. :		4432 YS / PLM 1488				
Model & Serial No. :		Model No: RT-540E / Serial No: 258584				
Date of previous inspection / Cert. No.		20/07/2022,A/49441/22/07/21				
Date of next inspection and testing :		03/07/2024				
Availability OEM certificate :		IN-SERVICE EQUIPMENT				
Availability of operations manual in cab :		YES,AVAILABLE				
Availability of load chart in cab :		YES,AVAILABLE				
Availability of daily check report :		YES,AVAILABLE				
Main hoist wire rope diameter & condition :		16MM & VISUAL INSPECTION SATISFACTORY				
Main hoist wire rope certificate No. :		1AP2560 (MBL-278 KN)				
Auxiliary wire rope diameter & condition :		NOT FITTED				
Auxiliary wire rope certificate No. :		NOT AVAILABLE				
Hitech Reference Work Instruction :		HITECH-LFT-WI-005-LAPMC-02				
Measuring equipments's used :		SL NO	TOOLS DESCRIPTION		CALIBRATION DUE	
		1.	LOAD CELL SL NO:11844		20/07/2023	
Crane Description		Crane Type	Maximum SWL	Range of Boom length	Fly Jib length	Counter weight (If applicable)
Diesel Hydraulic Telescopic Boom Mobile Crane.		Rough Terrain Crane	35.0 Tonne @ 8 Falls	9.7 m to 31.0 m	Not Fitted	Fixed

Crane present configuration at the time of Inspection:		Boom length (In Mtr)	Radius (In Mtr)	Applied Load (in Tonne)	Safe Working Load (in Tonne)
A Thorough visual, functional & Performance test was Carried out. Counter Weight: Fixed SWL @ No.of falls: 31.8t @ 6 Falls. Main Hook SL No: 4789, Main Hook Capacity-40.0 t.	Main Hoist	Minimum	9.8 (Main Hoist)	3.5	NIL
		Intermediate	18.3 (Main Hoist)	10.0	8.8
		Maximum	21.3 (Main Hoist)	14.0	5.1
	Auxiliary hoist (Where Applicable)	N/A	N/A	N/A	N/A

1. Conclusion: The above-mentioned equipment was tested and thoroughly examined and found satisfactory at the time of examination.

Date of Issue: 06/07/2023

Authorized Name: NAGOOR MEERAN

Designation : ASST. TECHNICAL MANAGER

Authorized Signature: 



Inspector Name: LAKSHMANDAS.M

Qualification : LIFTING INSPECTOR (LEEA /NSL)

Inspector Signature: 

2. ANNEXURE OF CERTIFICATE OF TEST & THOROUGH VISUAL EXAMINATION OF MOBILE CRANE

Certificate No. : HITECH/TJN-2022-229/IC/014

Job No. : TJN-2022-229

Date of Inspection : 04/07/2023

Status Legend: S-Satisfactory, NA-Not Applicable, F-Findings, CF-Critical Findings

Description	Status	Remarks
Safe load indicator/calibration verified	Satisfactory	
Level indicator / Boom Angle indicator	Satisfactory	
Telescopic boom extensions/ Boom pads/ Rope guides	Satisfactory	
Lattice boom sections/Connecting pins/Boom back stops	Not Applicable	
Fly Jib / Luffing jib/ Derricking interlock security	Not Applicable	Not fitted
Main hoist winch/ Hoist drum / Correct spooling	Satisfactory	
Main hoist wire ropes and termination	Satisfactory	16mm x 06 falls
Auxiliary hoist winch/ Hoist drum / Correct spooling	Not Available	
Auxiliary wire ropes and termination	Not Available	
Counterweight and its locking mechanism	Satisfactory	
Access ladders/Walkways/Hand & guard rails	Satisfactory	
Outriggers / beams / jacks / pads	Satisfactory	
Tires / rims / wheel bolts & nuts	Satisfactory	
Crawler Tracks/Track shoe	Not Applicable	
Swing machinery / Swing alarm / Swing lock	Satisfactory	
Hook block system/Safety catch	Satisfactory	
Hook for Stretch / wear	Satisfactory	
Hook NDT (MPI), certificate no. (if Applicable)	Satisfactory	HITECH/TJN-2022-229/MT-087,DT:04/07/2023
Sheaves (Boom & Hook)	Satisfactory	
Operator cab/ Control levers /Wind shields / Mirrors	Satisfactory	
Anti 2 block /over lower/ boom cut off /over load cut off limit switches / Slack rope limiter (if fitted)	Satisfactory	
Proximity switches	Not Applicable	
All fasteners /Bolts / Safety pins	Satisfactory	
Electrical System	Satisfactory	
Hydraulic System	Satisfactory	
Caution rotary light / Reverse Horn / Light	Satisfactory	
Fire extinguisher	Satisfactory	
Spark Arrester (if fitted)	Satisfactory	
Anemometer (if fitted or hand held)	Not Applicable	
Full Functional test	Satisfactory	
Rated load test	Satisfactory	
OEM Specification plate in place and legible	Satisfactory	
General condition (structural integrity/functionality)	Satisfactory	
Display marking (SWL / tire pressure/ Insp. date/due date)	Satisfactory	Insp.date & next Insp.due date to be marked

2. **General comments:** The equipment's is safe for its use within the limits specified, provided there is continuous maintenance applied and qualified operators employed. This Certificate covers only the existing configuration of the equipment at the time of examination. Any changes, alteration or modification shall require re-inspection or re-testing.

Date of Issue: 06/07/2023

Authorized Name: NAGOOR MEERAN

Designation : ASST. TECHNICAL MANAGER

Authorized Signature: 



Inspector Name: LAKSHMANDAS.M

Qualification : LIFTING INSPECTOR (LEEA/NSI)

Inspector Signature: 



This certificate becomes invalid if any Alteration / Major repair and modification is done. The inspection carried out as per regulation 9 of lifting operations and lifting equipment regulation 1998 (LOLER 98)-UK. This is to certify that the above signed HITECH Inspector, did attend to examine the item described above in accordance to the aforementioned standard. At the time of inspection, the said item were found to be free from flaws, deformation or other defects. The liabilities & Insurance as per HITECH Inspection Services LLC.