



<input type="checkbox"/>	Interim
<input checked="" type="checkbox"/>	Final

INSPECTION REPORT N°. BV/Energypac/RTCrane/35t/26<sup>th</sup> October-2021

BV Job nr: BAN.D.3084A6.021.690

<b>PROJECT:</b> Thorough Inspection of Rough Terrain Crane	Ref: BAN.D.3084A6.021.690
<b>BV Client:</b> Energypac Engineering Limited	P/o nr: N/A
<b>Manufacturer:</b> KATO	P/o nr: N/A
<b>Inspection requested by:</b> Mr. Muhammad Arif Saberi Chowdhury, Deputy Manager	

SUPPLY / SUBJECT OF INSPECTION	ITEM / TAG Nr	QTY
Thorough Inspection of Rough Terrain Crane	<ul style="list-style-type: none"> <li>• Make: KATO</li> <li>• MODEL: KR-35H-III</li> <li>• Serial No. : 2835138</li> <li>• Capacity: 35 Ton</li> </ul>	01

DOCUMENTS OF REFERENCE : See continuation sheet for additional documents: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Title	Reference n°	Rev.	Approved by	Expire Date
1. Load Chart	Found		Manufacturer	
2. Operation manual	Found			
3. Wire rope certificate	Not Found			

<p><b>INSPECTIONS :</b></p> <p><b>Inspection place &amp; Date or Period:</b> Energypac Yard, Baroepara, Savar. Date: 26<sup>th</sup> October-2021</p> <p><b>Stage of inspection :</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Before manufacturing</li> <li><input type="checkbox"/> During manufacturing</li> <li><input checked="" type="checkbox"/> Final</li> <li><input type="checkbox"/> Packing</li> </ul> <p><b>Type of inspection:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Pre-inspection meeting</li> <li><input type="checkbox"/> Document and QC record review</li> <li><input checked="" type="checkbox"/> Visual examination, checks</li> <li><input checked="" type="checkbox"/> Witnessing tests</li> <li><input type="checkbox"/> Manufacturing progress status</li> <li><input type="checkbox"/> Vendor assessment</li> <li><input checked="" type="checkbox"/> Final inspection</li> <li><input type="checkbox"/> Packing</li> </ul> <p>(for details see continuation sheet)</p> <p><b>Stamping:</b></p> <p><input checked="" type="checkbox"/> No      <input type="checkbox"/>       <input type="checkbox"/> </p>	<p><b>Results of inspection :</b> <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory</p> <p><b>Non Conformities Reports (NCR):</b></p> <p><input type="checkbox"/> NCR's issued during reported period : 0</p> <p><input type="checkbox"/> List of outstanding NCR's : 0</p> <p><b>Main Conclusions &amp; Remarks:</b> (for details see continuation sheet)</p> <p style="text-align: center;"><b>Please check comments and maintain it properly.</b></p> <p><b>Next visit scheduled:</b></p> <p><b>Before 26<sup>th</sup> October-2022</b></p>
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**Description of the inspections carried out:****Introduction:**

*Energypac Engineering Limited* has signed Third Party Inspection contract with BUREAU VERITAS (Bangladesh) Private limited, Bangladesh. BV Bangladesh conducted the inspection on 26/10/2021 at Baroebara, Savar and the attendee was as under:

*Hazbulullah Chowdhury, Industrial Surveyor, Bureau Veritas (Bangladesh) Private limited.*

**Details of Inspection activities carried out with respect to scope of work:**

- Thorough Examination & Load test of the crane.
- Verification of related documents.

**Findings:**

	DESCRIPTION	CONDITION / REMARKS / PERFORMANCE TESTS
<b>0</b>	<b>GENERAL DESCRIPTION OF THE EQUIPMENT</b>	
0.0	Description	<ul style="list-style-type: none"> <li>• Make: KATO</li> <li>• MODEL: KR-35H-III</li> <li>• Serial No.: 2835138</li> <li>• Capacity: 35 Ton</li> <li>• Reg. No.: Dhaka Metro Sha -11-0314</li> <li>• MFG. Yr.: 01/2008</li> </ul>
<b>1</b>	<b>FIXED ACCESS</b>	
1.1	Access to the cab, to the cockpit	Found in acceptable condition.
1.2	Other access for maintenance and testing	Found in acceptable condition.
<b>3</b>	<b>FRAMING</b>	
3.3	Counterweight (nature, fixing, tie)	Found in acceptable condition.
3.13	Jib, boom, boom extension, turret	Found in acceptable condition.
3.19	Structure, bridge, guy	Found in acceptable condition.
<b>4</b>	<b>CHASSIS</b>	
4.3	Position holding outriggers road extensions	Found in acceptable condition
4.4	Running gear (caterpillars, pneumatic...)	Found in acceptable condition.
4.7	Stabilizers	Found in acceptable condition.
4.8	Sleepers, rails, sub-frame	Not applicable
<b>5</b>	<b>SOURCE OF ENERGY</b>	
5.1	Power supply limitation	Found in acceptable condition.
5.2	Equipment, wiring system, coiling units	Found in acceptable condition.
<b>7</b>	<b>CAB - DRIVER'S CAB</b>	
7.1	Air heating/Cooling	Found in acceptable condition.
7.2	Condition, fastening devices, foot rack,	Found in acceptable condition.



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7.3	Protection against falls from height	Not applicable
7.8	Working visibility (glass transparency, windshield wipers, rear-view mirror)	Found in acceptable condition.
7.9	Lighting	Found in acceptable condition.
7.12	Seat	Found in acceptable condition.
<b>8</b>	<b>OPERATING AND MATERIALS HANDLING DEVICES</b>	
8.1	Start / Stop	Found in acceptable condition.
8.2	Lock-out of use (tagging out)	Not applicable
8.3	Other emergency stops	Emergency stops found in operational condition.
8.4	Indicators, signalling and warning devices	Found in acceptable condition
8.5	Identification of control devices	Found in acceptable condition.
8.6	Automatic return to neutral point	Found in acceptable condition.
8.7	Warning signals	Found in acceptable condition.
8.9	Protecting devices against unwilling or non-voluntary operations	Found in operational condition.
<b>9</b>	<b>MAIN RUNNERS, GUYS, DRUMS, PULLEYS, FASTENING DEVICES</b>	
9.1	Fasteners, clips, straps, clamps	Found in acceptable condition.
9.2	Fastening devices	Found in acceptable condition.
9.4	Main runners and lines, guys (Cables or chains)	Found in acceptable condition.
9.5	Drums, pulleys, rope blocks, drive pinions, windlasses	Found in acceptable condition.
<b>10</b>	<b>MECHANISMS</b>	
10.1	Speed-limiting device (no runaway)	Found in acceptable condition.
10.3	Locking device when out of order	Found in acceptable condition.
10.5	Hoist brake	Found in acceptable condition.
10.6	Power and gear transmission system	Found in acceptable condition.
10.8	Drive components, couplings, connections	Found in acceptable condition.
10.9	Protection of the mobile parts of the power transmission	Found in acceptable condition.
10.12	Parking brake, travel-brake	Found in acceptable condition.
10.13	Slewing brake	Found in acceptable condition.
<b>11</b>	<b>SAFETY DEVICES</b>	
11.1	Limit stops relating to lifting motions	Found in acceptable condition.
11.2	Any other limit or travel stops - Limit switch actuator	Found in acceptable condition.
11.3	Load limiter	Found in acceptable condition.



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11.6	Locking device of mobile units during driving process on track/road	Functional	
11.17	Anemometer	N/A	
11.19	Inclination limiter - Indicator/sensor of the inclination	Functional	
<b>14</b>	<b>PROOF LOAD TESTS</b>		
14.1	Static proof test	Found acceptable	
14.2	Dynamic proof test	Found acceptable	
<b>16</b>	<b>OTHERS</b>		
16.1	Capacity display	Found acceptable	
16.2	Safety and use instructions	Found acceptable	

*The inspection results are valid at time and place of inspection. The above inspection has been carried out according to Bureau Veritas general conditions of service, the issuance of this inspection report does not release the contractual parties from their own responsibilities and the fulfilment of their obligations.*

ANNEXES  Yes (Total number of pages: 0)  No**Load Test Detail:**

<b>Description of Test</b>	<b>Boom Length (metre)</b>	<b>Actual Radius (metre)</b>	<b>Test Load (Ton)</b>	<b>SWL (Ton)</b>
Main Hook block on 8 Parts of Line at the time of Inspection. (Outriggers fully extended )	25.5	9	12.10	11
<b>110% SWL Test with main hook.</b>	21.8	19	2.90	2.65

**Comment:**

- Maintenance needs to be followed as per standard and guideline of the manufacturer and needs to be recorded.

**Inspected by:**

Name: Hazbulah Chowdhury

Signature:

Date of issue: 27<sup>th</sup> October-2021**Checked by:**

Name: Walid Hossain

Signature:

**Inspection centre:** BV DhakaDistribution:  Energypac  BV Bangladesh

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### Photographs

