



Icon Energy Services Ltd.  
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# NDT REPORT

No. **DH-4023**

|                |                          |
|----------------|--------------------------|
| Customer       | CHALLAND PIPELINE LTD.   |
| Branch         | Rocky Mountain House, AB |
| Equipment Type | Articulating Crane       |
| Make           | PM                       |
| Model          | 4621                     |
| Capacity       | 2,000kg                  |
| Size           | -                        |
| Other          | -                        |
| OEM S/N        | 42522                    |
| Customer ID    | -                        |
| Rig/Unit:      | 477                      |

|                         |                          |
|-------------------------|--------------------------|
| Inspection Date         | 28-May-25                |
| Work Order #            | ICE-23952                |
| PO#                     | -                        |
| Test Method             | ASTM E709                |
| Inspection Type         | Certification            |
| Location                | Challand - Yard          |
| Procedure               | MT NDT-0000 Section 4    |
| Acceptance Standard     | CSA W59/API 8C/ICON Spec |
| Yoke Manufacturer       | Magswitch                |
| Yoke Calibration        | 28-May-25                |
| Blacklight Manufacturer | Labino                   |
| Blacklight Calibration  | 28-May-25                |
| Lightmeter Manufacturer | Spectroline              |
| Lightmeter Calibration  | 21-Jun-24                |
| Magnetic Particles      | Powder                   |
| Material Temp (Celsius) | (5°C to 70°C)            |

| EQUIPMENT         |                                     |                 |                 |
|-------------------|-------------------------------------|-----------------|-----------------|
| Hand Yoke         | <input type="checkbox"/>            | No. N4867       | Alloy Analyzer  |
| Perm Magnet       | <input checked="" type="checkbox"/> | No. 31520120237 | Hardness Tester |
| Blacklight        | <input type="checkbox"/>            | No. 61313       | UT Detector     |
| Coil              | <input type="checkbox"/>            | No. C-415       | UT Probe        |
| Gauss Meter       | <input type="checkbox"/>            | No.             | Lightmeter      |
| Surface Condition | Painted                             |                 |                 |

| TEST MEDIUM     |                                     | TECHNIQUE  |                                                       |
|-----------------|-------------------------------------|------------|-------------------------------------------------------|
| Wet             | <input type="checkbox"/>            | MPI        | LPI                                                   |
| Dry             | <input checked="" type="checkbox"/> | AC         | Water Washable                                        |
| Colour Contrast | <input type="checkbox"/>            | DC         | Post Emulsified                                       |
| Fluorescent     | <input type="checkbox"/>            | Continuous | <input checked="" type="checkbox"/> Solvent Removable |
| Penetrant Dye   | <input type="checkbox"/>            | Residual   | Dwell Time (min)                                      |
| UTX             | <input type="checkbox"/>            |            | Develop Time (min)                                    |

## EXAMINATION:

Magnetic Particle and Visual Examination was performed on 100% of the accessible areas on the items listed above.

## PHOTO/NOTES:



## RESULTS:

No relevant indications were noted at the time of inspection.

The results of inspected items reported by the company to the customer represent good faith opinions only and are not to be considered warranties or guarantees of quality, classification or usability of items inspected.

|                                                                                                    |  |      |                                                                                                   |                      |                                 |  |                      |          |            |
|----------------------------------------------------------------------------------------------------|--|------|---------------------------------------------------------------------------------------------------|----------------------|---------------------------------|--|----------------------|----------|------------|
| Technician<br><br>DEVON HOFFENSETZ<br>MT2 / PT2 / XF2<br>CGSB Reg.# 27705<br>SNT-TC-1A Reg.# 27705 |  |      | Signature<br> |                      | Assistant<br><br>DARRELL SPENCE |  | Client Rep/Signature |          |            |
| Document Information                                                                               |  |      |                                                                                                   |                      |                                 |  |                      |          |            |
| Doc#                                                                                               |  | Rev. | Rev. Date                                                                                         | Doc Name             |                                 |  | Reviewer             | Approver | Appr. Date |
| NDT-0401-00                                                                                        |  | 7    | 2023-11-08                                                                                        | NDT Report (General) |                                 |  | BW                   | RE       | 2023-11-08 |



## ANNUAL INSPECTION - Articulating Crane

DH-4023

|        |              |
|--------|--------------|
| Hours: | -            |
| Date:  | May 28, 2025 |

VT=VISUAL

MT=MAG PARTICLE

## CHASSIS

Subframe Structure and Shear Plates  
Lag Bolts/Nuts/Spacers  
Front Outrigger Assemblies  
Rear Outrigger Assemblies  
Outrigger Cylinders and Foot Pads

VT MT OK N/A

|   |   |   |   |
|---|---|---|---|
| X |   | X |   |
| X |   | X |   |
|   |   |   | X |
| X | X | X |   |
| X |   | X |   |

## NOTES

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## BOOM AND PEDESTAL

Pedestal/Turret Structure  
Slewing Assembly/Ring/Hardware  
Butt Section (Welds)  
Butt Section (Mounts/Cylinders/Pins)  
Articulating Section (Welds )  
Articulating Section (Mounts/Cylinder/Pins)  
Main Boom Sections (Welds)  
Main Boom Sections (Mounts/Cylinder/Pins)  
Main Boom Sections (Camber/Twist/Sweep)  
All Boom Sections (Wear Pads/Sliders)  
All Boom Sections Cylinders (Mounts/Pins)  
Hardware/Pins/Retainers (General)

|   |   |   |  |
|---|---|---|--|
| X | X | X |  |
| X |   | X |  |
| X | X | X |  |
| X | X | X |  |
| X | X | X |  |
| X | X | X |  |
| X | X | X |  |
| X | X | X |  |
| X |   | X |  |
| X |   | X |  |
| X | X | X |  |
| X |   | X |  |

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## JIB ATTACHMENT (IF APPLICABLE)

Jib Section (Mounts)  
Jib Section (Pins/Hardware/Retainers)  
Jib Section (Welds)

|  |  |  |   |
|--|--|--|---|
|  |  |  | X |
|  |  |  | X |
|  |  |  | X |

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## JIB ATTACHMENT

|        |   |
|--------|---|
| Make:  | - |
| Model: | - |
| S/N:   | - |

## BLOCK/RIGGING

Block/Sheave Condition  
Hook/Latch Condition  
Hardware/Pins/Retainers  
Cable/Rigging/Hardware/Wedge Anchor/Lugs  
Winch Mounts/Fasteners/Structure

|   |   |   |   |
|---|---|---|---|
|   |   |   | X |
| X | X | X |   |
| X |   | X |   |
|   |   |   | X |
|   |   |   | X |

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## BLOCK/HOOK

|           |   |
|-----------|---|
| Make:     | - |
| Model:    | - |
| S/N:      | - |
| Capacity: | - |

## GENERAL

Capacity and Controls Clearly Marked  
Anti-Two Block Device  
General Condition/Corrosion  
Load Indicator  
Boom Angle Device  
Load Chart

|   |  |   |   |
|---|--|---|---|
| X |  | X |   |
|   |  |   | X |
| X |  | X |   |
|   |  |   | X |
|   |  |   | X |
| X |  | X |   |

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Comments  
and  
Recommendations

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## Document Information

| Doc#        | Rev. | Rev. Date  | Doc Name                     | Reviewer | Approver | Appr. Date |
|-------------|------|------------|------------------------------|----------|----------|------------|
| NDT-0510-00 | 8    | 2024-11-20 | Annual Inspection Checklists | BW       | RE       | 2024-11-20 |