

## Eddy current test report



|                                 |                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report number</b>            | NC25-0994-02 ET                                                                                                                                                          |
| <b>Customer name</b>            | Ikon Lifting Equipment Pty Ltd                                                                                                                                           |
| <b>Address</b>                  | Unit 9, 327 Mansfield St Thornbury VIC Australia 3071                                                                                                                    |
| <b>Requested by</b>             | Ron Thomas                                                                                                                                                               |
| <b>Purchase Order</b>           | 2161                                                                                                                                                                     |
| <b>Accredited laboratory</b>    | LMATS Sydney Laboratory                                                                                                                                                  |
| <b>Test date</b>                | 28/11/2025                                                                                                                                                               |
| <b>Job address</b>              | 10 Logistic Ave, Westdale NSW 2340                                                                                                                                       |
| <b>Job description</b>          | Steril Koni Mobile Column Lift Structural Welds                                                                                                                          |
| <b>Identification</b>           | Serial no:-TX172201 Model: ST-1073 FWF Type:- 34408054-02                                                                                                                |
| <b>Material grade</b>           | Carbon steel                                                                                                                                                             |
| <b>Test specification</b>       | Client's requirement - Nil detectable cracks permitted                                                                                                                   |
| <b>Test method</b>              | ISO 17643:2015-ET - Welds                                                                                                                                                |
| <b>Test procedure</b>           | TP-ET-01 (I1,R10)                                                                                                                                                        |
| <b>Scanning method</b>          | Uniform probe movement along the weld surface and toe                                                                                                                    |
| <b>Surface condition</b>        | As Welded, In-Service, Coated                                                                                                                                            |
| <b>Instrument</b>               | L002321 Olympus Nortec 600 ET unit                                                                                                                                       |
| <b>Calibration item</b>         | L002325 Olympus SRSM-51020S-WLD ET Calibration block                                                                                                                     |
| <b>Probes &amp; Sensitivity</b> | L002322 Weld Pencil probe Ø8mm 100kHz, 80% of FSH from 1mm deep EDM notch over 1mm plastic shim, L002324 Absolute Pencil probe Ø3mm 10kHz, Sensitivity is not applicable |
| <b>Approved tester</b>          | Suraj Vemulapalli (M.E Mech, ISO 9712 Level 2 VT PT MT ET UT PAUT)                                                                                                       |
| <b>Test results</b>             | Refer to Table 1 for test area identification and results                                                                                                                |

REVIEWED



Accreditation No. 15840

**Accredited for compliance with  
ISO / IEC 17025 - Testing**

**Signatory**  
**Stephen Wedding**  
(ISO 9712 Level 2 PAUT ET UT MT  
PT)

*Signature*  
**Report issued on 28/11/2025**

Report no. NC25-0994-02 ET, Ikon Lifting Equipment Pty Ltd, Page 1 of 3, Format no. OMS MF-RP-18 ET OMS(Rev. 5.0 20250412)

**Table 1: Test items identification (provided by the client) and results (All dimensions in mm unless stated otherwise)**

| Identification | Test area                           | Discontinuities    | Result |
|----------------|-------------------------------------|--------------------|--------|
| Column         | 100% of accessible structural welds | No cracks detected | C      |
| Lifting jib    | 100% of accessible structural welds | No cracks detected | C      |

## Test restrictions

Indications from edge & mass effects, changes in material permeability and weld shape. Variations in paint thickness. In-situ inspection, no parts disassembled limiting access.

## Comments

Nil

### Normative general notes

1. Test and inspection items may be discarded after 6 weeks, unless alternative arrangements are made with LMATS.
2. Samples, identification of samples and all job specific details were supplied by the client. The test results relate only to the items tested or sampled.
3. Any stated nominal pipe sizes and nominal thickness of the material were provided by the client.
4. Where applicable, the Measurement Uncertainty (MU) applies to the test results as per LMATS procedure. MU can be obtained by contacting one of LMATS ISO 17025 accredited laboratories.
5. Acceptance criteria is applied from the test specification. If the test specification does not include acceptance criteria, then the test or inspection results should be referred to a competent authority for further action.
6. Refer to the attached revision notes if this report has been revised. This report shall not be reproduced except in full without approval of the issuing laboratory to ensure that parts of a report are not taken out of context. The client or their representatives shall not edit this report.
7. LMATS or its professional indemnity insurance provider do not indemnify the contents within this report or the conformity of a tested product unless the invoice for the reported work is paid in full within the agreed credit terms. Reports will be revoked if the invoice for the completed work is not paid in full.

### Abbreviations used in this report

A - No discontinuities detected  
 CP - Crater Pipe  
 F - Failed  
 IC - Copper Inclusion  
 IO - Oxide Inclusion (wagon tracks)  
 KL - Longitudinal crack  
 LP - Incomplete root Penetration  
 NRRD - No Recordable Reflections Detected  
 p.d. - Processing / film Defects  
 PU - Uniform Porosity  
 SGI - Incompletely filled Groove  
 SMH - Hammer Mark  
 SSP - Spatter  
 SXP - Excessive Penetration

BT - Burn (melt) Through  
 DNC - Does Not Comply  
 GP - Gas Pore  
 IL - Linear Inclusion (slag line)  
 IT - Tungsten Inclusion  
 KT - Transverse crack  
 LR - lack of Root fusion (missed edge)  
 NUSID - No unacceptable Surface Indications Detected  
 PG - Localized Porosity  
 RP - Report findings  
 SGS - Shrinkage Groove  
 SMT - Tool Mark (chipping mark)  
 SUC(e) - Undercut External  
 WH - Worm Hole

C - Comply  
 EC - Elongated Cavity (hollow bead)  
 HiLo - Linear misalignment  
 IN - Inclusion  
 KC - Crater crack  
 LI - lack of Inter-run fusion  
 LS - lack of Side fusion  
 P - Passed  
 PL - Linear Porosity  
 SED - Excessive Dressing (underflushing)  
 SMG - Grinding Mark  
 SRC - Root Concavity (Suck back)  
 SUC(i) - Undercut Internal

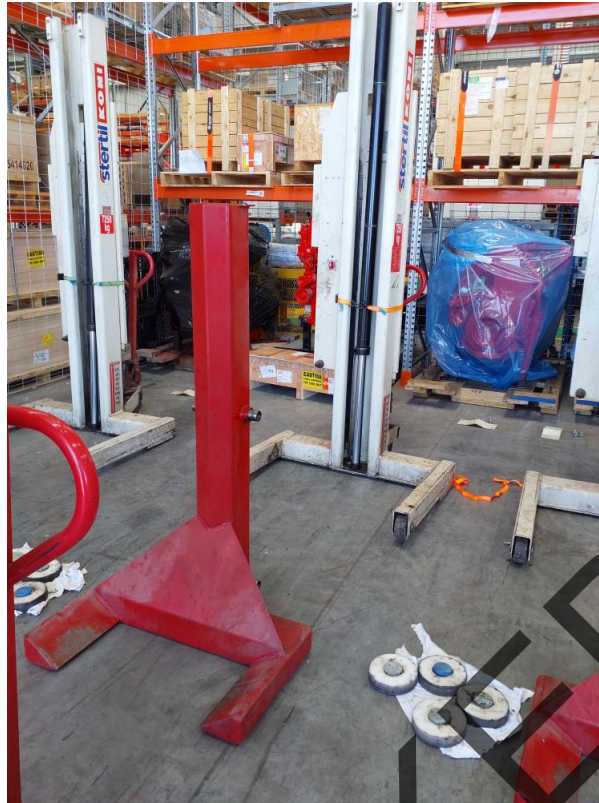


Image 1 of 2 - General view of the test area



Image 2 of 2 - Identification plate