

Eddy current test report



Report number	NC25-0994-06 ET
Customer name	Ikon Lifting Equipment Pty Ltd
Address	Unit 9, 327 Mansfield St Thornbury VIC Australia 3071
Requested by	Ron Thomas
Purchase Order	2161
Accredited laboratory	LMATS Newcastle Laboratory
Test date	28/11/2025
Job address	10 Logistic Ave, Westdale NSW 2340
Job description	Steril Koni Mobile Column Lift Structural Welds
Identification	Serial no:-TX172202 Model: ST-1073 FWF Type:- 34408054-02
Material grade	Carbon steel, Alloy steel
Test specification	Client's requirement - Nil detectable cracks permitted
Test method	ISO 17643:2015-ET - Welds
Test procedure	TP-ET-01 (I1,R10)
Scanning method	Uniform probe movement along the weld surface and toe
Surface condition	As Welded, In-Service, Coated
Instrument	L002321 Olympus Nortec 600 ET unit
Calibration item	L002325 Olympus SRSM-51020S-WLD ET Calibration block
Probes & Sensitivity	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
Approved tester	Suraj Vemulapalli (M.E Mech, ISO 9712 Level 2 VT PT MT ET UT PAUT)
Test results	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. NC25-0994-06 ET, Ikon Lifting Equipment Pty Ltd, Page 1 of 3, Format no. OMS MF-RP-18 ET OMS (Rev. 5.0 20250412)

LMATS Pty Ltd
ABN: 41 107 100 925
www.lmats.com.au
admin@lmats.com.au
1300 707 365

☐ Melbourne
☐ Sydney
☐ Brisbane
☐ Albury
☐ Newcastle
☐ Kalgoorlie
☐ Perth

6 Techno Park Drive, Williamstown VIC 3016
1C/137 Silverwater Road, Silverwater NSW 2128
14/121 Kerry Road, Archerfield QLD 4108
4/856 Leslie Drive, Albury NSW 2640
2/22 Ironbark Close, Warabrook NSW 2304
82 Brookman-Hay St, Kalgoorlie WA 6430
3/52 Cocos Drive, Bibra Lake WA 6163

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