

Eddy current test report



Report number	NC25-0994-05 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 Sydney 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:-TX172203 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

REMOVED



Accreditation No. 15840

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

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

S. Wedding
Report issued on 28/11/2025

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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