

Ultrasonic test report



Report number	NC25-0994-02 UT
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	Stertil Koni Mobile Column Lift Pins
Identification	Serial no:-TX172201 Model: ST-1073 FWF Type:- 34408054-02
Material grade	Alloy steel
Test specification	Client's requirement - Nil detectable cracks permitted
Test method	AS 1065 - 1988 as a guide-UT of in service pins, bolts and shafts
Test procedure	TP-UT-33 (I1,R2)
Surface condition	Machined, In-service
Surface preparation	Wiped
Scan area	100% accessible volume of item
Probe positions	Refer to the following page
Test equipment	'A' Scan presentation, L005269
Couplant	UT gel
System accuracy	±0.2mm
Calibration block	L002813 AS 2083 Bl. 1 IIW Bl. 1 ASTM E164 V1 - 1.5mm SDH, L0821 AS 2083 FBH block Set - 6mm AAC or DAC for Normal beam probe
Transducers	Refer to the following page
Special equipment	Nil
Transfer correction gain	Not required
Damping & reject settings	None
Scanning sensitivity	1st BWE to 80% FSH +6 dB
Evaluation sensitivity	1st BWE to 80% FSH +6 dB
Sizing technique	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



Accreditation No. 15840

Accredited for compliance with
ISO / IEC 17025 - Testing

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

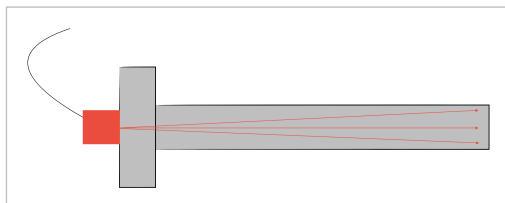
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Scanning method

Non Standard Method (Draw Sketch)

Scanning plan



Transducer set: 1

Transducer	Maker S/N	Crystal type	Angle (°)	Size (mm)	Frequency (MHz)	Index (mm)	Beam misalignment (°)	Cable length & type	Ref.gain (dB)	Test range (mm)
L006506	OAA090	Single	0	Φ10	5	Not applicable	0	1m Lemo to mini-lemo	25	110

REVOKED

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

Identification	Quantity	Discontinuities	Result
Wheel pins	2	No cracks detected	C

Test restrictions

Drawing not supplied.

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

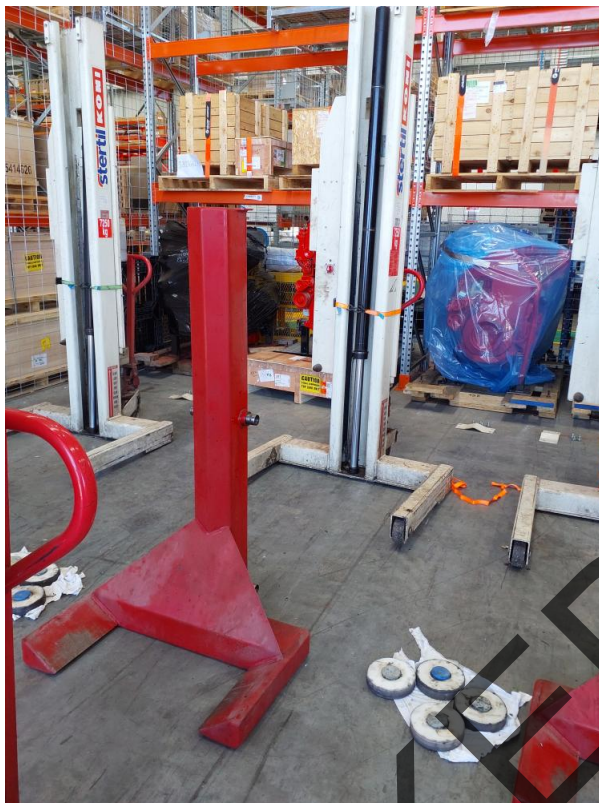


Image 1 of 2 - General view of the test area



Image 2 of 2 - Identification plate