Certificate No: LR2415360NDV
Issue Date: 07/02/2024

Statement Of Validation

Client Materials & Testing Laboratories Ltd

Address P O Box 14-042, Panmure, Auckland, New Zealand

This statement of validation is awarded to the above company in respect of the following inspection activity

Phased Array Ultrasonic Inspection – Welds

This statement is issued in accordance with Lloyd's Register Materials and Qualification Procedures for Ships Book N, 17-3.

Scope of Validation
Manual or semi-automated inspection from the external surfaces of circumferential fusion welds in Carbon Steel, Single V joints in the following thicknesses and nominal bores (NB):

100 NB - 450 NB : 6.4 mm - 24.0 mm thickness

The following Procedure has been reviewed:

MTL-PA-003 Phased Array Testing Procedure : Rev 2 : Dated 17 January 2024

1.0 The validation covers use of the following equipment:

Flaw Detectors: Olympus Omni Scan MX2 16-128, Olympus Omni Scan MX2 32-128 and SIUI Syncscan 2 32 - 128.

Encoder: Quadrature Wheel Type.

Data Analysis Software: Omni PC, TomoView or Weld Sight.

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Phil Leaver
NDE team Leader to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Statement Of Validation

Probes: Olympus 5L 16-1-10, SIUI 20N55S -I-AOD250, SIUI 20N55S-I-AOD400, SIUI 8R (35) 60S4-I (Flat Wedge) and SIUI 8R (35) 60S4-IAOD-114 (Curved Wedge).

Scanners: Jireh ODI, OTS-P005, Crawler LPS-01.

All equipment shall be applied within the applicable operating parameters of the equipment.

2.0 Materials & Testing Laboratories Limited Phased Array Procedure is considered technically acceptable for the intended purpose and scope detailed.

3.0 This validation remains valid indefinitely or until the scope of the procedure or equipment applied is revised.

The scope of validation is valid from the date shown and is conditional upon the firm maintaining their Quality System and notifying Lloyd's Register of any significant changes in personnel, equipment and/or procedures.

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