

Inspection Body Accreditation Programme

Schedule to

CERTIFICATE OF ACCREDITATION



INSPEC Ltd
Welding Consultants and Inspection Services

Client Number 7030

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Telephone 09 436-0556

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Authorised Representative

Mr Roy Askham
General Manager

Programme

Inspection Body

Accreditation Number 87

Initial Accreditation Date 14 March 2005

Conformance Standard

ISO/IEC 17020:2012

Conformity assessment — Requirements for the operation of various types of bodies performing inspection

Inspection Services Summary

Engineering Safety Inspection
Mechanical Inspection

Operations Manager
Authorisation:

Issue 30

Date: 18/03/24

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SCOPE OF ACCREDITATION

Engineering Safety Inspection

Type A Inspection Body

Inspections in accordance with the *Health and Safety in Employment (Pressure Equipment, Cranes and Passenger Ropeways) Regulations 1999:*

Fabrication Inspection

Boilers

Without superheat. Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316

Pressure Vessels

Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316 .
Excluding those which are lined, clad, transportable, subject to cyclic operation or are intended for cryogenic use

Pressure Piping

Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316

Commissioning and In-service Inspection

Boilers and associated piping system

Without superheat. Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316

Pressure Vessels

Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316 .
Excluding those which are lined, clad, transportable, subject to cyclic operation or are intended for cryogenic use

Pressure Piping

Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316

Repairs and Alterations Inspection

Boilers and associated piping system

Without superheat. Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316

Pressure Vessels

Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316 .
Excluding those which are lined, clad, transportable, subject to cyclic operation or are intended for cryogenic use

Pressure Piping

Fabricated from carbon steel without post weld heat treatment or austenitic grades ≤ 316

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Mechanical Inspection

Type A Inspection Body

Inspection by Non Destructive Testing

4.75 Welder Qualification Tests

Mechanical tests and the interpretation of radiographs in accordance with specifications such as:

- AS/NZS 1554 parts 1 to 6
- AS/NZS 1665:2004
- AS/NZS 2980:2018
- ASME IX
- BS EN ISO 15614
- ISO 9606

4.82 Non Destructive Tests by Ultrasonics

(a) Ultrasonic examination of metals

- | | | |
|-------|---|---------------------|
| (i) | Single wall, rolled or wrought product
Thickness Measurements
Corrosion Pitting | Al, Fe, SS |
| (ii) | Welded joints | Al, Fe, SS |
| (iii) | Castings | Al, Fe, SS |
| (iv) | Forgings | Al, Fe, SS |
| (v) | Extruded products | Al, Fe, SS |
| (vi) | Other specified metallic products | Machined components |

(b) Ultrasonic examination of bonded metals

- (i) Soldered & brazed joints
- (ii) Hard faced components
- (iii) Machine bearings

(e) Manual Phased Array

- | | | |
|------|---|--------|
| (i) | Single wall, rolled or wrought product
Thickness Measurements
Corrosion Pitting | Al, Fe |
| (ii) | Welded joints | Al, Fe |

4.83 Non Destructive Tests by Visual Inspection

(a) Visual inspection of metals

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- | | | |
|-------|------------------------|------------|
| (i) | Flat or rolled product | Al, Fe, SS |
| (ii) | Welded joints | Al, Fe, SS |
| (iii) | Castings | Al, Fe, SS |
| (iv) | Forgings | Al, Fe, SS |

4.84 Non Destructive Tests by Dye Penetrant Methods

(a) Visible Dye

- (i) Water washable method
- (ii) Solvent removable method

(b) Fluorescent Dye

- (i) Water washable method
- (ii) Solvent removable method

4.85 Non Destructive Tests by Magnetic Particle Methods

(a) Magnetic flow method

- (i) Welded joints
- (ii) Forgings
- (iii) Castings
- (iv) Machined parts

Welding Qualification Examining Body

Inspections required to verify compliance with the process for qualifying welders for fusion welding of steels in accordance with:

- AS/NZS 2980:2018
- ISO 9606:1:2017

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