ISO 15618-2:2001-12 (E)

Qualification testing of welders for underwater welding_- Part_2: Diver-welders and welding operators for hyperbaric dry welding

Contents

Page

Foreword . . . v

Introduction . . . 1

1 Scope . . . 1

2 Normative references . . . 1

3 Terms and definitions . . . 3

4 Symbols and abbreviations . . . 3
4.1 General . . . 3
4.2 Test piece . . . 3
4.3 Consumable . . . 3
4.4 Miscellaneous . . . 3

5 Essential variables for approval testing . . . 4
5.1 General . . . 4
5.2 Welding processes . . . 4
5.3 Joint types (butt and fillet welds) . . . 4
5.4 Material groups . . . 4
5.5 Consumables . . . 4
5.6 Dimensions . . . 5
5.7 Welding positions . . . 5
5.8 Hyperbaric environment . . . 5

6 Range of approval . . . 5
6.1 General . . . 5
6.2 Welding process . . . 6
6.3 Joint types . . . 6
6.4 Material groups . . . 7
6.5 Consumables . . . 7
6.6 Dimensions . . . 7
6.7 Welding positions . . . 7
6.8 Hyperbaric environment . . . 8

7 Examination and testing . . . 9
7.1 General . . . 9
7.2 Supervision . . . 9
7.3 Shapes and dimensions of test pieces . . . 9
7.4 Welding conditions . . . 11
7.5 Test methods . . . 11
7.6 Test pieces and test specimens . . . 12

8 Acceptance requirements for test pieces . . . 16

9 Re-tests . . . 16

10 Period of validity . . . 17
10.1 Initial approval . . . 17
10.2 Prolongation . . . 17

11 Certificate . . . 17

12 Designation . . . 18

Annex A (informative) Diver-welder or welding operator approval test certificate for hyperbaric dry welding . . . 19

Annex B (informative) Job knowledge . . . 21