

ISO 15156-2:2009-10 (E)

Petroleum and natural gas industries - Materials for use in H₂S-containing environments in oil and gas production - Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	3
4	Symbols and abbreviated terms	6
5	Purchasing information	7
6	Factors affecting the behaviour of carbon and low alloy steels in H₂S-containing environments	7
7	Qualification and selection of carbon and low-alloy steels with resistance to SSC, SOHIC and SZC	8
8	Evaluation of carbon and low alloy steels for their resistance to HIC/SWC	17
9	Marking, labelling and documentation	17
Annex A (normative) SSC-resistant carbon and low alloy steels (and requirements and recommendations for the use of cast irons)		18
Annex B (normative) Qualification of carbon and low-alloy steels for H₂S service by laboratory testing		27
Annex C (informative) Determination of H₂S partial pressure		35
Annex D (informative) Recommendations for determining pH		37
Annex E (informative) Information that should be supplied for material purchasing		42
Bibliography		44