DIN EN ISO 15156-1:2015-12 (E)

Petroleum and natural gas industries - Materials for use in H2S-containing environments in oil and gas production - Part 1: General principles for selection of cracking-resistant materials; (ISO 15156-1:2015)

Contents

Page

European foreword 3

Foreword 4

Introduction 5

1 Scope 6

2 Normative references 7

3 Termsanddefinitions 7

4 Abbreviated terms 11

5 General principles 11

6 Evaluationanddefinitionofserviceconditionstoenablematerialselection 12

7 SelectionofmaterialsresistanttoSSC/SCCinthepresenceofsulfidesfromexisting lists and tables 12

8 QualificationofmaterialsforH 2S service 12
8.1 Material description and documentation 12
8.2 Qualification based upon field experience 13
8.3 Qualification based upon laboratory testing 13
8.3.1 General 13
8.3.2 Sampling of materials for laboratory testing 13
8.3.3 Selection of laboratory test methods 13
8.3.4 Conditions to be applied during testing 14
8.3.5 Acceptance criteria 14

9 Reportofthemethodofselectionorqualification 14

Bibliography 15