ISO 16384:2012-11 (E)

Hydrocarbures r®frig®r®s et combustibles gazeux liqu®fi®s ¨ base non p®troli¯re_- Dim®thyl®ther_(DME)_- Mesurage et calculs ¨ bord des navires

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Terms and definitions **1**

3 Characteristics and properties of DME **2**
3.1 General 2
3.2 General characteristics 2
3.3 Chemical and physical properties 2

4 General precautions **3**
4.1 General 3
4.2 Equipment precautions 3

5 Tank capacity table **4**
5.1 General 4
5.2 Contents of tank capacity table 4

6 Level gauges **4**
6.1 Type of level gauges 4
6.2 Accuracy of level gauge 4
6.3 Use of designated level gauge 5

7 Temperature measuring equipment **5**
7.1 Type of temperature sensor 5
7.2 Accuracy of temperature measuring equipment 5
7.3 Number and position of temperature sensors 5

8 Pressure gauge **5**
8.1 Type and number of pressure gauges 5
8.2 Accuracy of pressure gauge 5

9 Preparation for custody transfer **6**
9.1 Facilities for cargo operation 6
9.2 Pipelines 6
9.3 Ship/shore meeting 6

10 Custody transfer measurement **7**
10.1 General 7
10.2 Measurement of liquid level 7
10.3 Measurement of temperature 7
10.4 Measurement of vapour pressure 7

11 Quantitative calculation **8**
11.1 General 8
11.2 Concept of quantitative calculation 8

12 Preparation for sailing **9**
12.1 Pipelines and other facilities 9
12.2 Ship/shore meeting 9
12.3 Information to cargo receiver 9

Annex A (informative) **Estimation of density of DME** **10**

Bibliography **11**