

ISO 6578:2025-10 (E)

Refrigerated hydrocarbon liquids - Static measurement - Calculation procedure

Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms, definitions and symbols.....	1
3.1 Terms and definitions.....	1
3.2 Symbols.....	2
4 Outline of the calculation.....	3
4.1 Liquefied petroleum gas.....	3
4.2 Liquefied natural gas.....	4
4.3 Data for calculation.....	5
5 Mass.....	5
5.1 Mass of liquid phase.....	5
5.2 Correction for vapour phase.....	6
5.3 Mass in vacuum to mass in air.....	6
6 Energy content (calorific content).....	7
7 Inter-conversion of liquid mass and vapour volume at standard conditions.....	8
8 Calculation of liquid density from composition.....	8
8.1 General.....	8
8.2 Liquid petroleum gas.....	8
8.3 Liquid natural gas.....	9
9 Calculation of calorific value from composition.....	9
9.1 Volumetric basis.....	9
9.2 Mass basis.....	9
Annex A (informative) Molar volume of individual component.....	10
Annex B (informative) Correction factors for volume reduction of LNG mixtures.....	11
Annex C (informative) Gross calorific values for individual components.....	12
Annex D (informative) Molar mass, compression factor and summation factor of individual component.....	13
Annex E (informative) Calculation examples.....	14
Bibliography.....	19