
**Crude petroleum and petroleum
products — Transfer accountability —
Assessment of vessel experience factor on
loading (VEFL) and vessel experience
factor on discharging (VEFD) of ocean-
going tanker vessels**

*Pétrole brut et produits pétroliers — Transfert des cargaisons —
Détermination du facteur d'expérience du navire au chargement (VEFL) et
du facteur d'expérience du navire au déchargement (VEFD) pour les
navires de mer de type pétrolier*



Foreword

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International Standard ISO 13740 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, Subcommittee SC 6, *Bulk cargo transfer, accountability, inspection and reconciliation*.

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Introduction

For a particular vessel, an approximately constant ratio can be established between the quantity of oil measured on board the vessel and the corresponding measurement at a shore terminal.

Vessel experience factors are used as a means for monitoring Bills of Lading and/or outturn quantities.

Crude petroleum and petroleum products — Transfer accountability — Assessment of vessel experience factor on loading (VEFL) and vessel experience factor on discharging (VEFD) of ocean-going tanker vessels

1 Scope

This International Standard specifies two methods for establishing the average ratio between the quantity of oil measured on board an ocean-going tanker vessel and the corresponding quantity measured at a terminal. Method 1 is commonly used in the field. Method 2 is more statistically rigorous and is the referee method to be used in cases of dispute. Either method can be used on loading the vessel [vessel experience factor on loading (VEFL)] or on discharging the vessel [vessel experience factor on discharging (VEFD)].

This International Standard applies to shore terminals that determine volumes received or delivered using static tank measurements or dynamic meter measurements carried out according to good accepted industry practice. It also applies to floating storage or off-shore facilities that load ocean-going vessels using dynamic meter measurements carried out according to good accepted industry practice.

This International Standard is not applicable to the assessment of the vessel experience factors of barges.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 8697:—¹⁾, *Crude petroleum and petroleum products — Transfer accountability — Assessment of on board quantity (OBQ) and quantity remaining on board (ROB)*.

3 Method 1

3.1 Procedure for collection of data

3.1.1 General

All the data shall be collected in, or converted to, the same unit of quantity. Conversions from observed data shall be made using the same petroleum measurement tables.

Data shall not be collected for

- a) the first voyage after the vessel has been constructed;

1) To be published.