
**Crude petroleum and petroleum products —
Transfer accountability — Assessment
of on board quantity (OBQ) and quantity
remaining on board (ROB)**

*Pétrole brut et produits pétroliers — Prise en compte des quantités
chargées ou déchargées — Détermination de la quantité à bord (OBQ) et
de la quantité restant à bord (ROB)*

www.iso.org/iso/8697



Contents

1	Scope	1
2	Terms and definitions	1
3	Principle.....	2
4	Procedure for collection of data.....	2
5	Calculations	4
5.1	General	4
5.2	Non-liquid material not forming a wedge.....	5
5.3	Total liquid material.....	5
5.4	Free-water volume	6
5.5	Liquid oil volume	6
5.6	Non-liquid material forming a wedge	6
5.7	Calculation of OBQ or ROB	7
6	Expression of results	7
7	Report of assessment	7
	Annex A (informative) Examples of configurations of the layers on the tank bottom	8
	Bibliography	11

© ISO 1999

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 8697 was prepared by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, Subcommittee 6, *Bulk cargo transfer, accountability, inspection and reconciliation*.

This International Standard takes into account and supersedes ISO/TR 8338:1988, *Crude petroleum oil — Transfer accountability — Method for estimation on ships of total quantity remaining on board (ROB)*, which is withdrawn.

Annex A of this International Standard is for information only.