INTERNATIONAL STANDARD

ISO 13985

First edition 2006-11-01

Liquid hydrogen — Land vehicle fuel tanks

Hydrogène liquide — Réservoirs de carburant pour véhicules terrestres



Reference number ISO 13985:2006(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2006

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 either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents Page

Forewo	ordi	٧
Introdu	uction	V
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4 4.1 4.2 4.3 4.4 4.5 4.6 4.7	Requirements General requirements Mechanical stresses Thermal stresses Materials Design Insulation Accessories Manufacturing and assembly	3 3 4 5 5 6
5 5.1 5.2 5.3 5.4 5.5	Type tests	7 8 8 8
6 6.1 6.2 6.3 6.4 6.5 6.6	Routine tests and inspection General Pressure test Leak test Verification of the dimensions Destructive and non-destructive tests of welded joints Visual inspection	8 9 9
7 7.1 7.2 7.3 7.4	Marking and labelling Marking method Inner tank markings Outer jacket markings 1 Temporary markings for first filling	9 9 0
Annex	A (normative) Fuel tank operating ranges1	1
Annex	B (informative) Hydrogen compatibility1	2
Annex	C (normative) Fuel tank type tests	3
Annex	D (normative) Accessory type tests	5