



**International
Standard**

ISO 6583

**Methanol as a fuel for marine
applications — General
requirements and specifications**

*Méthanol comme carburant pour les applications marines —
Exigences générales et spécifications*

**First edition
2024-11**

iTech Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 6583:2024](https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024)

<https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024>

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 6583:2024](https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024)

<https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Application and sampling	2
5 General requirements	2
6 Generally applicable requirements and related test methods	3
6.1 Methanol grades.....	3
6.2 Density.....	4
6.3 Total sulfur content.....	4
6.4 Distillation range.....	4
6.5 Specific energy content.....	4
7 Precision and interpretation of test results	4
Annex A (informative) Background to the establishment of a standard for methanol as a marine fuel	5
Annex B (informative) Net specific energy of methanol	6
Annex C (informative) Lubricity	8
Annex D (informative) Cleanliness	9
Annex E (informative) Corrosion	10
Bibliography	11

iTech Standards
<https://standards.itih.ai>
 Document Preview

[ISO 6583:2024](https://standards.itih.ai)

<https://standards.itih.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024>

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 28, *Petroleum and related products, fuels and lubricants from natural or synthetic sources*, Subcommittee SC 4, *Classifications and specifications*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO 6583:2024

<https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfel/iso-6583-2024>

Introduction

This document was prepared in cooperation with ship owners, ship operators, national standards bodies, classification societies, fuel testing services, engine and fuel cell designers, marine fuel suppliers, methanol producers, governmental organizations, and other technical organizations to meet the requirements for methanol supplied as marine fuel on a world-wide basis for consumption on board ships.

This document specifies three categories of methanol: marine methanol grade A (MMA), marine methanol grade B (MMB) and marine methanol grade C (MMC).

For the purpose of this document, the term methanol comprises methanol from all forms of production.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 6583:2024](https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024)

<https://standards.iteh.ai/catalog/standards/iso/26b515fe-51c1-4b86-b0a1-ee3a3573dfe1/iso-6583-2024>

