

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS K 2246 : 2018

(JACC/JSA)

Rust preventive oils

ICS 75.140

Reference number : **JIS K 2246 : 2018 (E)**

K 2246 : 2018

Date of Establishment: 1980-01-01

Date of Revision: 2018-07-20

Date of Public Notice in Official Gazette: 2018-07-20

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area

JIS K 2246:2018, First English edition published in 2019-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2019

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.

Printed in Japan

AT

PROTECTED BY COPYRIGHT

Contents

		Page
1	Scope	1
2	Normative references	1
3	Terms and definitions	3
4	Classification	6
5	Quality and performance	7
6	Test method	11
6.1	General requirements	11
6.2	Sampling	11
6.3	Common items for test piece	11
6.4	Measuring method of degree of rust formation	14
6.5	Test method for flash point	15
6.6	Test method for pour point	15
6.7	Test method for kinematic viscosity	15
6.8	Calculation method of viscosity index	15
6.9	Test method for viscosity variation	15
6.10	Test method for precipitation number	15
6.11	Test method for solubility in hydrocarbon	16
6.12	Test method for corrosion on copper plate	16
6.13	Test method for foamability	16
6.14	Test method for oxidation stability	16
6.15	Test method for melting point	16
6.16	Test method for consistency	16
6.17	Test method for amount of evaporation	17
6.18	Test method for oxygen absorbability	17
6.19	Test method for film thickness	19
6.20	Test method for drying property	20
6.21	Test method for sagging point	21
6.22	Test method for low-temperature adhesiveness	23
6.23	Test method for film removability	24
6.24	Test method for abrasiveness	26
6.25	Test method for amount of volatile matter	27
6.26	Test method for stability for separation	27
6.27	Test method for sprayability	29
6.28	Test method for corrosiveness	30
6.29	Test method for water displacement	32
6.30	Test method for acid neutralization	34
6.31	Test method for fingerprint removability	35

6.32	Test method for anticorrosiveness on handling	38
6.33	Test method for transparency.....	38
6.34	Method for humidity cabinet test	39
6.35	Test method for neutral salt spray	41
6.36	Test method for weather resistance	42
6.37	Test method for storability-in-package	44
6.38	Test method for salt solution immersion.....	46
6.39	Test method for vapour inhibitor ability	47
7	Designation of products	50
8	Marking	50

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Association of Corrosion Control (JACC)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS A 2246**:2007 is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Rust preventive oils

1 Scope

This Japanese Industrial Standard specifies the rust preventive oils (hereafter referred to as rust preventive oils) which is used to temporarily prevent the formation of rust on metal materials or metal products mainly consisting of iron and steel.

WARNING Persons carrying out tests based on this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7753 *Light-exposure and light-and-water-exposure apparatus (Open-flame carbon-arc type)*

JIS B 9809 *Spray guns*

JIS G 3108 *Rolled carbon steel for cold-finished steel bars*

JIS G 3141 *Cold-reduced carbon steel sheet and strip*

JIS G 4305 *Cold-rolled stainless steel plate, sheet and strip*

JIS G 4308 *Stainless steel wire rods*

JIS H 3100 *Copper and copper alloy sheets, plates and strips*

JIS H 4000 *Aluminium and aluminium alloy sheets, strips and plates*

JIS H 4080 *Aluminium and aluminium alloy extruded tubes and cold-drawn tubes*

JIS H 4201 *Magnesium alloy sheets, plates and strips*

JIS H 4301 *Lead sheets and plates and hard lead sheets and plates*

JIS H 4554 *Nickel and nickel alloy wire and drawing stock*

JIS H 8611 *Electroplated coatings of cadmium on iron or steel*

JIS H 8617 *Electroplated coatings of nickel and chromium*

JIS K 1101 *Oxygen*

JIS K 1503 *Acetone*

JIS K 2201 *Gasoline for industrial purpose*

JIS K 2220 *Lubricating grease*

JIS K 2231 *Liquid paraffin*

JIS K 2235 *Petroleum waxes*