



JAPANESE
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STANDARD

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JIS K 2288 : 2000

**Petroleum products—
Diesel fuel—
Determination of cold filter
plugging point**

ICS 75.160.20

Descriptors : light fuel oil, filters, permeability measurement, mechanical properties of fluids, solidification, pouring tests

Reference number : JIS K 2288 : 2000 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS K 2288 : 1993** is replaced with **JIS K 2288 : 2000**.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
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Petroleum products—Diesel fuel— Determination of cold filter plugging point

1 Scope This Japanese Industrial Standard specifies the method to measure cold filter plugging point of diesel fuel.

Remarks : The use of this Standard may involve hazardous reagents, operations and equipment. This Standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

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

JIS B 2401 *O-rings*

JIS B 7184 *Profile projectors*

JIS B 7410 *Liquid-in-glass thermometers for testing of petroleum products*

JIS K 2251 *Crude petroleum and petroleum products—Sampling*

JIS K 2269 *Testing methods for pour point and cloud point of crude oil and petroleum products*

JIS K 8034 *Acetone*

JIS K 8593 *Petroleum ether*

JIS K 8680 *Toluene*

JIS K 9701 *Heptane*

JIS P 3801 *Filter paper (for chemical analysis)*

JIS Z 8402-6 *Accuracy (trueness and precision) of measurement methods and results—Part 6 : Use in practice of accuracy values*

JIS Z 8801 *Test sieves*

3 Definition For the purpose of this Standard, the definition used in this Standard is as follows.

plugging point The cold filter plugging point is defined as the highest temperature (expressed as a multiple of 1 °C) at which the fuel, when cooled under the prescribed conditions, will not flow through the mesh filter with 45 µm mesh aperture or requires more than 60 s for 20 mL to pass through or fails to return completely to the test jar.

Remarks : Plugging point is often called **CFPP** (cold filter plugging point).