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भारतीय मानक मसौदा

औद्योगिक शमन तेल - शीतलन विशेषताओं का निर्धारण –
निकल-मिश्र धातु जांच परीक्षण विधि

Draft Indian Standard

**INDUSTRIAL QUENCHING OILS — DETERMINATION OF COOLING
CHARACTERISTICS — NICKEL-ALLOY PROBE TEST METHOD**

(ICS No. 75.100)

Methods of Sampling and Test for Petroleum and
Related Products of Natural or Synthetic Origin
(Excluding bitumen) PCD 01

Last date for receipt of comment is

02 March 2025

NATIONAL FOREWORD

(Formal clauses will be added later)

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in their respective places, is listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 2719: 1988, Petroleum products and lubricants — Determination of flash point — Pensky-Martens closed cup method.	IS 1448 (Part 21) : 2019/ ISO 2719: 2016 Methods of test for petroleum and its products (Part 21) Determination of flash point — Pensky - Martens closed cup method (<i>Fourth Revision</i>)	Identical

ISO 2909: 1981, Petroleum products — Calculation of viscosity index from kinematic viscosity	IS 1448 (Part 56) : 2013/ ISO 2909 : 2002, Methods of test for petroleum and its products (Part 56) Calculation of viscosity index from kinematic viscosity (<i>Third Revision</i>)	Identical
ISO 3104: 1994, Petroleum products — Transparent and opaque liquids — Determination of kinematic viscosity and calculation of dynamic viscosity	IS 1448 (Part 25/Sec 1) : 2018/ ISO 3104 : 1994, Methods of test for petroleum and its products (Part 25) Transparent and opaque liquids section 1 Determination of kinematic viscosity and calculation of dynamic viscosity (<i>Second Revision</i>)	Identical
ISO 3675: 1993, Crude petroleum and liquid petroleum products — Laboratory determination of density or relative density — Hydrometer method	IS 1448 (Part 16) : 2014/ ISO 3675 : 1998, Methods of test for petroleum and its products (Part 16) Crude petroleum and liquid petroleum products — Laboratory determination of density — Hydrometer method (<i>Fourth Revision</i>)	Identical

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 3405: 1988	Petroleum products — Determination of distillation characteristics.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 'Rules for rounding off numerical values (*second revision*)'.

NOTE — The technical content of this document has not been enclosed as this is identical with the corresponding ISO Standard. For details, please refer to ISO 9950: 1995 or kindly contact:

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