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| **(PETROLEUM, COAL & RELATED PRODUCTS DEPARTMENT)** | |
| **MINUTES** | | |
| **30th May 2024, Thursday, 1000h** | | |
| **Methods for sampling and test for petroleum and related products of natural or synthetic origin (excluding bitumen) Sectional Committee, PCD 01** | | **25th Meeting** |
| **CHAIRMAN**: Dr. Harender Singh Bisht,  Director, IIP | | **Member Secretary:** Mr. Hari Mohan Meena |

**Item 0 OPENING OF THE MEETING**

* 1. **Welcome by BIS**

Shri Hari Mohan Meena, Scientist ‘C’, PCD, welcomed the members to the 25th meeting of Methods for sampling and test for petroleum and related products of natural or synthetic origin (excluding bitumen).

* 1. **Opening remark by the Chairman**

Dr. Harender Singh Bisht, Director CSIR-IIP, Dehradun welcomed all the members and requested to participate in deliberation of the agenda points.

**Item 1 CONFIRMATION OF THE MINUTES OF THE PREVIOUS MEETING**

The Committee **CONSIDERED** Item 1 of the agenda and observed that no comments have been received on the Minutes of the 24th meeting of PCD01 and **CONFIRMED** the Minutes as circulated.

**Item 2 TITLE, SCOPE AND COMPOSITION OF PCD 1 AND ITS SUBCOMMITTEES**

**2.1** The Committee **CONSIDERED** and **CONFIRMED** Item 2.1 of the agenda about the title of the Sectional Committee

**2.2** The Committee **CONSIDERED** and **CONFIRMED** Item 2.2 of the agenda about the scope of the Sectional Committee.

1. The Committee **NOTED** item 2.2 (a) of the agenda about liaison with ISO Committees.
2. The Committee **NOTED** item 2.2 (b) of the agenda about liaison with BIS Technical Committees

**2.3** The Committee **CONSIDERED** Item 2.3, 2.3.1 and 2.3.2 of the agenda about the composition of the Sectional Committee as given below:

1. Castrol India Limited, Mumbai did not attend any of the last meetings of the Committee and is also not present in this meeting. After deliberation, the Committee **DECIDED** to **WITHDRAW** the membership.
2. The committee **RECOMMENDED to retain the RDSO** and BIS was requested to seek justificationfrom Nominating Authority/Competent Authority of RDSO for consecutive non-participation of experts in the meetings.
3. The committee **NOTED** that nominations from Indian Institute of Technology (Indian School of Mines), Dhanbad is still awaited. BIS was requested to send one more communication to IIT (ISM), Dhanbad.

**Attendance of the members is given in Annex I**

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**2.4 Appointment of Convener of Subcommittees**

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| **Sr. No** | **Subcommittee** | **Status** | **Committee Decision** |
| 1 | Instrumental Test Methods for Petroleum, Oil & Bio-fuels (excluding lubricants, greases and gaseous fuels) sub-committee, PCD 1:1 | **Mr. Ajay Garg,** GM, QC, NRO, IOC Marketing nominated as Convener by IOCL. | The Committee **NOTED** that appointment of **Mr. Ajay Garg** as Convener of the pcd1:1 as decided by the Sectional Committee PCD 1 in its 24th meeting. |
| 2 | Methods of Test for Gaseous Fuels Subcommittee, PCD 1:5 | During 24th meeting of PCD 01, the Committee decided to offer the convenorship of the Subcommittee PCD 1:5 to GAIL (India) Limited, New Delhi. If the offer is not accepted by GAIL (India) Limited, then the same can be extended to Hindustan Petroleum Corporation Limited, Mumbai**.**  GAIL (India) Limited, New Delhi has been requested on 20 May 2024 to nominate an expert as Convener of the subcommittee. | The committee **DECIDED** to send a reminder to GAIL to appoint an expert as the Convener of Subcommittee PCD 1:5. |

**2.5** **Co-option Requests for PCD 01**

**2.5.1** The committee **CONSIDERED** Item 2.5.1 of the agenda and **DECIDED** to accept the co-option request from the PSNA College of Engineering and Technology, Dindigul, TAMILNADU

**2.5.2** The committee **CONSIDERED** Item 2.5.2 of the agenda and **DECIDED** not to accept the Co-option request of Dr Tamilvendan as Individual Capacity.

**ITEM 3 ACTIVITIES OF PCD 01**

**3.1** The Committee **NOTED** Item 3.1 of the agenda about the program of work of the Sectional Committee PCD01.

**3.2 ACTIVITIES OF SUBCOMMITTEES**

The Committee **NOTED** Item 3.2 of the Agenda about the Subcommittee meetings conducted virtually through WebEx, prior to this meeting. The Committee **CONSIDERED** the recommendations of the subcommittees PCD 1:2 & PCD 1:6 and **ENDORSED** as given in Annex – II and also decided as given in Item 3.2.1:

**Annex - II**

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| **Sl. No.** | **Subcommittee** | **Recommendation** |
| 1 | PCD 1:2 — Engines and Rig Performance Test Methods Subcommittee |  |
| 2 | PCD 1:6— Test Methods for Lubricants, Greases, Speciality Products and Additives Subcommittee |  |

* + 1. **Test Methods for Lubricants, Greases, Speciality Products and Additives Subcommittee, PCD 1: 6**

**Review of the Indian Standards**

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| **S. No.** | **IS Number/ Title** | **Committee Decision** |
|  | IS 1448 (Part 96) : 2019/ ISO 7120: 1987 Methods of test for petroleum and its products [Part : 96] petroleum products and lubricants - Petroleum oils and other fluids - Determination of rust - Preventing characteristics in the presence of water (First Revision) | The Committee **CONSIDERED** recommendations of the subcommittee and inputs provided by Shri Lokender Singh Tevathiya, HPCL.    After detailed deliberation, the Committee **DECIDED** to **REAFFIRM** the standard as there are no technical changes in the ISO 7120: 1987 which was last reviewed and confirmed in 2023 and this is the current version. |
|  | IS 1448 (Part 106) : 1981 Methods of test for petroleum and its products [Part: 106] determination of oxidation characteristics of inhibited steam - Turbine oils | The Committee **CONSIDERED** recommendations of the subcommittee and inputs provided by Shri Lokender Singh Tevathiya, HPCL.    After detailed deliberation, the Committee **DECIDED** to **REAFFIRM and REVISE** the standard.  Further, BIS was requested to identify an expert in consultation with the convener PCD1:6 and allot the same with approval of chairman. |
|  | IS 1448 (Part 116) : 2018 Methods of test for petroleum and its products [Part: 116] determination of cone penetration of lubricating grease using one quarter and one half scale - Cone (Second Revision) | The Committee **CONSIDERED** recommendations of the subcommittee and inputs provided by Dr G.D. THakre, IIP.  After detailed deliberation, the Committee **DECIDED** to **REAFFIRM** the standard as during second revision of IS 1448 part 116, considerable assistance was taken from ASTM D 1403–10 and ISO 2137 : 2007 and there is no technical changes in ASTM D 1403–20b and ISO 2137 : 2020. |

**Item 3.3 ACTIVITIES OF PANEL**

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| **Details of Panel** | **Date of the meeting** | **Status / Action Point** | **Decision of the Committee** |
| PCD 01: P2 - Panel for replacement of mercury thermometers Panel  (Convener Dr Dilip Dhondiram Shivagan, Senior Principal Scientist, Head, Temperature and Humidity Metrology, CSIR- National Physical Laboratory, New Delhi) | 1st meeting on 26 October 2023  2nd meeting on 12th December 2023  3rd meeting on 9th January 2024  4th meeting on 24th January 2024 | Manufacturers/ suppliers of various digital/electronic thermometers are yet to be identified by the panel.  The meeting with manufacturers/suppliers to seek information on safety-related issues, and availability of digital thermometers and to analyze the cost and physicality of these, is yet to be conducted. | Dr Dilip Dhondiram, Convener of the panel informed that the following manufacturers/ suppliers have been invited for the meeting with manufacturers/ suppliers to seek information on safety-related issues, and availability of digital thermometers and to analyze the cost and physicality of these, is yet to be conducted.  On receipt of consent from below listed organizations, meeting will be scheduled.  i)M/s Fluke India  (OEM Fluke Corporation USA)  ii) M/s Isothermal Technologies, New Delhi  (OEM Isotech, UK)  iii) M/s Wika India  (OEM Wika USA)  iv) M/s ATS Pvt Ltd  (OEM Accumac USA)  v) M/s All Measure Technology Pvt. Ltd, India  vi) M/s Tempsens Instruments (I) Pvt. Ltd., Udaipur vii)  M/s Thermo Electric Company India Pvt. Ltd, IMT Manesar, (OEM Thermo Electric Company, Inc. USA)  viii) M/s Testo India  (OEM Testo Germany)  ix) M/s Toshniwal Industries Pvt. Ltd. (TIPL), Ajmer  x) M/s Jofra Ametek, India Pvt Ltd, (M/s AMETEK Sensors, Test & Calibration (STC), USA)  xi) M/s Pyroelectric Goa |

**Item 4 New Subjects for Standardization**

**4.1** The Committee **NOTED** that new subject for standardization need to be submitted through the BIS standardization portal.

**4.2** **New Proposals**

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| **Sl. No.** | **New Subject** | **Proposal Details** | **Status** | **Decision of the Committee** |
|  | Adoption of ISO 9950: 1995 Industrial quenching oils — Determination of cooling characteristics — Nickel-alloy probe test method | Proposer: Lubricants and its Related Products Sectional Committee PCD25  Proposal Details 1642\_202404041010\_110520 Apr 10, 2024 | The proposal was circulated to members on 10 April 2024 and the same was deliberated in the meeting of the Subcommittee PCD 1:6.  **The subcommittee recommended to adopt the ISO** becausethe test for determination of cooling characteristic analysis of quenching oils is required in PCD 25 standards on quenching oils. Currently, the test is mentioned in Annexures of standard IS 2664 or IS 4543 (under WC). A proper test method needs to be developed. Therefore, ISO 9950 may be adopted. | The committee **CONSIDERED** the recommendations of the subcommittee. After deliberation, the committee **AGREED** to adopt the ISO 9950: 1995 Industrial quenching oils —Determination of cooling characteristics — Nickel-alloy probe test method and BIS was **REQUESTED** to prepare National Foreword and issue into Wide Circulation. |

**ITEM 5 INTERNATIONAL ACTIVITY**

**5.1 P Membership of India and Participation in ISO TCs**

The Committee **REVIEWED** item 5.1 of the agenda and **DECIDED** to include the following new experts:

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| ISO/TC 28/AG 0 TC 28 Advisory Group | 1. Dr. Harender Singh Bisht, CSIR - Indian Institute of Petroleum, Dehradun |
| ISO/TC 28 Petroleum and related products, fuels and lubricants from natural or synthetic sources | 1. Dr. Harender Singh Bisht, CSIR - Indian Institute of Petroleum, Dehradun 2. Dr CT Chidambaram, Gulf Oil Lubricants India Limited replacing to Shri Sanjay Kumar, Gulf Oil Lubricants India |
| ISO/ TC 28/SC 5 Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels | 1. Dr Ashutosh Mishra, IOCL replacing to Shri Manish Malhan, IOCL |
| ISO/TC 28/SC 5/WG 7 Ship-to-ship (STS) bunkering | Indian National Ship-Owners Association, Mumbai |

Members were **REQUESTED** to provide nominations for the following Working Groups:

1. ISO/TC 28/JWG 23 Field performance equipment for rolling bearing grease life
2. ISO/TC 28/WG 29 Turbine control fluids test methods development
3. ISO/TC 28/SC 5/WG 3 Procedures for measurement and calculation of refrigerated fluids
4. ISO/TC 28/SC 5/WG 4 Sampling of refrigerated fluids
5. ISO/TC 28/SC 5/WG 7 Ship-to-ship (STS) bunkering

**5.2 Ballots from 1st April 2023 onward:**

The committee **NOTED** that there are lack of inputs from members during the circulation of drafts for ballots. Members were **REQUESTED** to provide the inputs within time limits so that same can be reported the ISO.

**5.3 Meetings of ISO Technical Committees**

**5.3.1** **Meetings of ISO/TC/28**

Members of ISO/TC/28 and its subcommittee’s and working groups were **REQUESTED** to register timely and to participate actively in the meetings.

**5.3.2 Meetings of ISO/TC 28/ WG 28**

The Committee **NOTED** Item 5.3.2 of the agenda about meetings of ISO/TC 28/ WG 28 WG has been scheduled for 25th September 2024 during the plenary meeting of the ISO/TC28.

**5.3.3 Meetings of ISO/TC/193/ SC 1**

The Committee **NOTED** Item 5.3.3 of the agenda about meetings of ISO/TC/193/ SC 1 is scheduled to be held on 17th to 21st June 2024 in Austin USA. Members were **REQUESTED** to provide their inputs on “Analysis of natural gas” for the Plenary meeting. End date for inputs is 9th June 2024.

**ITEM 6 ANNUAL MEETING CALENDAR**

The Committee **NOTED** the annual meeting calendar of PCD 01.

**ITEM 7 ANY OTHER BUSINESS**

No other business was deliberated in the meeting

**ITEM 8 VOTE OF THANKS**

The meeting ended with a vote of thanks to the members and Chairperson of the Committee PCD 1.