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Technical Committee 8.01 – Positive Displacement Compressors
AGENDA – 2022 Annual Conference
Tuesday, June 28th, 2022 at 3:30 PM – 6:00 PM EDT

Hybrid Delivery
In Person Location: Hilton, Governor General Suite (2)

Virtual: https://zoom.us/j/93896960588?pwd=UEkrMk9XQlJPbzkwTkhQSi9IbUFLZz09

Meeting ID: 938 9696 0588
Passcode: 096601

Dial by your location
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1) **Call to Order – Craig Bradshaw (Chair)**
   - Introductions
   - Establishment of Quorum (12 VMs) - Jim Douglas (Membership Chair)
2) **ASHRAE Code of Ethics Commitment**
   - In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics.)
3) **Review and Approval of the Virtual Winter Meeting Minutes**
4) **Liaison Report**
5) **Report on TC/TG Section 8 Chair's Breakfast Meeting – Craig Bradshaw**
6) **Standards – via Rick Hall for Jim Douglas (Chair)**

   - **Standard 23P, *Methods for Performance Testing Positive Displacement Refrigerant Compressors and Compressor Units.* Standard 23-2022, that combines Standards 23.1-2019 and 23.2-2019 into a single standard, has been published. At our last meeting, we made a motion to Withdraw Standards 23.1-2019 and 23.2-2019, and that has since been accomplished.**
   - **Standard 41.4, *Standard Methods for Measurement of Proportion for Lubricant in Liquid Refrigerant.*** SSPC 41 Subcommittee 41.4-2015R, chaired by Jim Douglas, held a virtual

meeting on 5/3/22 to review the testing progress on a new apparatus for sampling refrigerant/lubricant mixtures out of the liquid line.

- **Standard 41.9, *Standard Methods for Refrigerant Mass Flow Measurement Using Calorimeters***. Standard 41.9-2021 is a published standard. Standard 41.9-2021 Addendum a. is now in the queue for its first public review. Michael Perevozchikov is the chair of the 41.9-2021 Addendum a. Subcommittee.
- **Standard 41.10, *Standard Methods for Refrigerant Mass Flow Measurement Using Flowmeters*. Standard 41.10-2020 is a published standard. Standard 41.10-2020 Addendum a. has been published and can be downloaded at no cost from the ASHRAE website. The new 41.10-2020R Subcommittee, chaired by Brandon Kelley, will meet virtually for the first time in June to begin to revise this standard. Please contact Rick Hall (rhall.1492@gmail.com) if you would like to participate in the revision of this standard as a guest or as a subcommittee member.**
- Standard 225-2020, *Method for Performance Testing Centrifugal Refrigerant Compressors and Condensing Units* – Up for maintenance, vote to either "reaffirm", "revise" or "withdrawl".

7) Program - Erik Anderson (Chair)

- Programs at the Toronto
  - Seminar 40: Chiller-Heater Systems Enabled by Compressors and Ice. Wednesday at 8am. TC 8.2 is co-sponsoring this seminar.
- Ideas for Chicago

8) Research – Davide Ziviani (Chair)

- WS 1793 (motor cooling research / thermal conductivity, co-sponsored with TC 8.2)
- TRP 1879 "Foamability Properties of LGWP Refrigerant and Oil Mixtures" (co-sponsored with TC 3.4)
- Craig Bradshaw and Davide Ziviani submitted a URP to ASHRAE to support compressor development titled: "The future of compressor technologies for air-conditioning applications with near zero-GWP refrigerants"

9) Handbook – Scott MacBain (Chair)

- Chapter 8 – Factory Dehydrating, Charging & Testing
- Chapter 38 (Compressors) and 43 (Liquid Chilling Systems) due in 2024

10) Membership - Jim Douglas (Chair)

- **Leadership Plan: Starting AFTER 2022 Annual Meeting**
  i) Chair: Davide Ziviani
  ii) Vice Chair: Alex Schmig
  iii) Secretary: Open Riley Barta
  iv) Research Chair: Matt Cambio
  v) Other subcommittee chairs are reaffirmed

11) Website – Eric Berg (Chair)
12) Old Business
13) New Business

14) Adjourn