



ASHRAE American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Technical Committee 3.4 – Lubrication

Agenda – Annual Conference 2023 Tampa (Hybrid)

Tuesday June 27th, 2023 – 1:30 to 3:30 pm (ET)

JW Marriott Tampa: Platt (3)

Log in information provided below for virtual attendees

Name		Affiliation
Voting Members		
Casey Scruggs – Chair, Hndbk	2024	Metalloid
Rashid Zakeri – Vice Chair	2026	Circle Proscio
Joe Karnaz – Secretary	2024	Shrieve
Sheli Porter – Standards	2025	Stellar Laboratories
Dave Vincent – Webmaster	2025	BVA
Rob Yost	*2023	National Refrigerants
Julie Majurin	*2023	AHRI
Ed Hessel	*2023	Lanxess
Raymond Drost	2024	Calumet
Steve Baker	*2025	Emerson
Chris Seeton	2026	Koura
Rosine Rohatgi	2026	Spauchus
Morgan Leehey	2026	Trane
Non-Voting Members		
Scott Wujek – Research, ALI		Apple
Chris Campo – Programs		Shrieve
Joe Karnaz – MTG Low GWP		Shrieve
Danny Harel – MTG Low GWP		NTHALP Engineering
Rashid Zakeri – MTG Sustainable RAC		Circle Proscio

Virtual Meetings and Conference Log-in Information

TC 3.4 Meeting (Hybrid) – June 27th, 2023, 1:30 pm – 3:30 pm (ET)

Meeting Link: <https://ashrae.webex.com/ashrae/j.php?MTID=mce38b6e554764c4f8f06495b1867a3c9>

Access Info: Meeting number: 2340 468 9004 Password: Pk3KKYMRR62 TC3.4 Join by phone 18662994153 United States of America Toll Free +14702385742 US Toll Access code: 2341 829 8715

TC 3.1/3.2/3.4/3.8 Combined Research & Program Virtual Meetings – June 13th, 2023, 2:00 pm – 4:00 pm (ET)

Meeting Link

<https://ashrae.webex.com/wbxmjs/joinservice/sites/ashrae/meeting/download/6b9f7b70235047feaf0d25509aa521d?siteurl=ashrae&MTID=me75f783f8b7ad4db51e97d580be29532>

Access Info: Meeting number: 2335 145 5079 Password: KDpPJPgu643; Join by phone 18662994153 United States of America Toll Free +14702385742 US Toll Access code: 2335 145 5079

The schedule of all virtual meetings, technical program and registration can be found at

<https://www.ashrae.org/conferences/2023-annual-conference-tampa>

1.) Call to Order (**Casey Scruggs**)

- Virtual conference housekeeping
- Introduction of members and guests

2.) ASHRAE Code of Conduct - <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

- *In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and we shall avoid all real or perceived conflicts of interests.*

3.) Confirmation of Quorum (**Joe Karnaz**)

4.) Approval of TC 3.4 2023 Winter Meeting Minutes (**Casey Scruggs**) y/n/a/cv

5.) Approval of TC 3.4 2023 Annual Meeting Agenda (**Casey Scruggs**) y/n/a/cv

6.) Report of TC Chair's Breakfast Meeting (**Casey Scruggs**)

7.) Liaison Comments (may be adjusted to accommodate the Liaison's schedule)

- RAC – Chee Sheng
- TAC – Tina Brueckner
- Handbook – Drake Erbe

8.) Subcommittee Reports

Programs (**Chris Campo**)

TC 3 Combined Programs Meeting on June 13th from 2pm to 4pm EST

Review of Sponsored, Co-sponsored or Programs of Interest

- **Sponsored programs**
Seminar 9: Properties of Refrigerants and Lubricants to Comply with the AIM Act
Sunday June 25th 9:45-10:45am (JW Marriott, Tampa Bay 8)
- **Other Programs of Interest in Tampa**
Seminar 25: A2L Refrigerant Standards Review Part 1 – Monday June 26th 9:45-10:45
Seminar 60: A2L Refrigerant Standards Update Part 2 – Wednesday June 28th 9:45-10:45

Update from Program Subcommittee Meeting.

Timeline for program submission.

Programs Ideas and Discussion of Future Programs:

Chicago Winter 2024

Lubrication basics for next generation refrigerants

Handbook (Casey Scruggs)

- Updates on Handbook activities and meetings
- Chapter 12 *Lubricants in Refrigerant Systems*-

Standards (Sheli Porter)

Updates:

- **GPC 40** “*Refrigeration Oil Description*”
- **SPC 86** “*Methods of Testing the Floc Points of Refrigeration Grade Oils*”
- **SPC 172** “*Method of Test for Insoluble Materials in Synthetic Lubricants and HFC Refrigerant Systems*”
- **SPC 218** “*Method of Testing for Lubricant and Refrigerant Miscibility Determination*”
 - o
- **New Ideas for standards or guidelines**

Research (Scott Wujek)

TC 3 Combined Programs Meeting on June 13th from 2pm to 4pm EST

Current Research Activities Updates:

- **RP 1879** – “*Foaming Properties of Low GWP Refrigerant and Oil Mixtures*”
 - o **Potential meeting with Contractor to update the progress of the work.**
 - o Contact PMS
- **RP 1721** – “*Oil Return and Retention in Unitary Split Gas Lines with HFC and HFO Refrigerants*”
- **RTAR 1891** – “*Tribological Interaction Data with Lubricants and Refrigerants*”
- Update from Research Subcommittee Meeting
- Others – Any research needs and gaps from review of Handbook Chapters
- Future Research needs and New Research ideas

Webmaster TC 3.4 (Dave Vincent)

Website Update

9.) MTG Lower GWP Refrigerants TC 3.4 (**Joe Karnaz/Danny Halel**)

Update: Recent activity

10.)*MTG Sustainable RAC (**Rashid Zakeri**) remove covered in TC 3.2

11.)**Update:** Recent activity

12.) Membership (**Casey Scruggs**)

- Rollover Roster Discussion

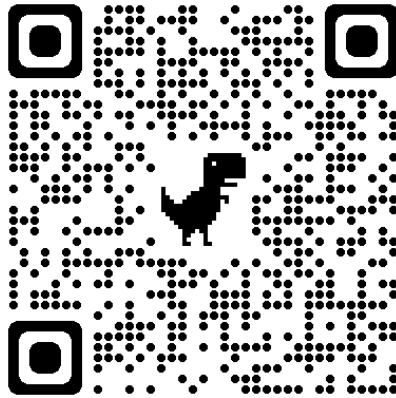
Roster: Anyone interested in becoming a corresponding member please go to the ASHRAE website and join as a Provisional Member:

13.) Old Business (**Casey Scruggs**)

- Discussion on subcommittee vice-chair positions

14.) New Business (**Casey Scruggs**)

15.) Adjournment



QR Code for TC 3.4 meeting page