



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

Technical Committee 3.4 – Lubrication

Agenda – Winter Conference 2023 Atlanta (Hybrid)

Tuesday February 7th, 2023 – 1:30 to 3:30 pm (ET)

Omni CNN Center Atlanta, Redwood (M1 North)

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 Hessell	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) – February 7th, 2023, 1:30 pm – 3:30 pm (ET)

Meeting Link: <https://ashrae.webex.com/ashrae/j.php?MTID=ma444cf7ed71de88351de7ba7896b8366> Access Info:

Meeting number: 2341 829 8715 Password: vGJFpgZF328 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 – January 24th, 2023, 2:00 pm – 4:00 pm (ET)

Meeting Link: <https://ashrae.webex.com/ashrae/j.php?MTID=m2652e962babca0535eac7cab1ff5d371>

Access Info: Meeting number: 2346 652 9884 Password: S5i4wTaV8NC Join by phone 18662994153 United States of America Toll Free +14702385742 US Toll Access code: 2346 652 9884

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

<https://www.ashrae.org/conferences/2023-winter-conference-atlanta>

- 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>
- 3.) Confirmation of Quorum (**Joe Karnaz**)
- 4.) Approval of TC 3.4 2023 Winter Meeting Agenda (**Casey Scruggs**) y/n/a/cnv
- 5.) Approval of TC 3.4 2022 Annual Meeting Minutes (**Casey Scruggs**) y/n/a/cnv
- 6.) Report of TC Chair's Breakfast Meeting (**Casey Scruggs**)
- 7.) Liaison Comments (may be adjusted to accommodate the Liaison's schedule)
- 8.) Subcommittee Reports

Programs (Chris Campo)

TC 3 Combined Programs Meeting on January 24th from 2pm to 4pm EST

Review of Sponsored, Co-sponsored or Programs of Interest

- Co-Sponsor Seminar 30: Continued Evolution of Lubricants for HVAC
 - o Monday Feb 6 9:45-10:45am (Georgia World Congress Center, A403)
- Programs of Interest
 - o AHR Expo Session 1: Low GWP Refrigerant Advancements for Decarbonization Part 1
 - Tuesday, February 7, 8 – 9:30 a.m. EST
 - Georgia World Congress Center, B308
 - o AHR Expo Session 2: Low GWP Refrigerant Advancements for Decarbonization Part 2
 - Tuesday, February 7, 9:45 – 10:45 a.m. EST
 - Georgia World Congress Center, B308
 - o AHR Expo Session 3: Low GWP Refrigerant Advancements for Decarbonization Part 3
 - Tuesday, February 7, 11:00 a.m. – 12:30 p.m. EST
 - Georgia World Congress Center, B308
 - o Seminar 10: Low GWP Refrigerants and the Lessons Learned from the Past
 - Sunday, February 5, 9:45 – 10:45 a.m. EST
 - Georgia World Congress Center, B308
- Update from Program Subcommittee Meeting.
- Timeline for program submission
- Discussion of Future Programs:
 - o Tampa Annual 2023
 - o Chicago Winter 2024

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 The Review Committee has been formed and the following committee appointments have been approved.
 - o Appointment of Casey Scruggs as Chair and PCVM-General
 - o Appointment of Raymond Drost as PCVM-Producer
 - o Appointment of Morgan Leehey as PCVM-User
 - o Appointment of Ngoc Dung (Rosine) Rohatgi as PCVM-General
 - o Appointment of Andrew Summer as PCVM-Producer
 - o
- **New Ideas for standards or guidelines**

Research (Scott Wujek)

TC 3 Combined Programs Meeting on January 24th 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**)

Update: Recent activity

11.) 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:

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

- Discussion on subcommittee vice-chair positions

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

14.) Adjournment

15.)

