

# D874 Sulfated Ash SP Telecon

May 14, 2024

**Agenda:**  
**D874 Sulfated Ash Surveillance Panel Telecon**  
**Tuesday, May 14th, 2024 – 10:00-11:00 CDT**  
**Teams Meeting**

- ASTM Anti-Trust Statement
- ASTM Electronic Recording Policy
  
- Approval of Agenda
  
- Approval of Meeting Minutes
  
- **Old Business**
  - Discussion of Reference Oil 92 – limits and possible replacement for Oil 90 – Dennis Gaal
  - Discussion of the results from using the CEM microwave oven heat source in place of the open combustion/muffle furnace – Jeff Winfield
  - Any other Old Business
  
- **New Business**
  - New D874 SP Chair – nomination of Karina Gil
  - Any other New Business
  
- Schedule of next meeting, if needed
  
- Adjournment

# ASTM Anti-Trust Statement

- ASTM International is a not-for-profit organization and developer of voluntary consensus standards. ASTM's leadership in international standards development is driven by the contributions of its members: more than 30,000 technical experts and business professionals representing 135 countries.
- The purpose of antitrust laws is to preserve economic competition in the marketplace by prohibiting, among other things, unreasonable restraints of trade. In ASTM activities, it is important to recognize that participants often represent competitive interests. Antitrust laws require that all competition be open and unrestricted.
- It is ASTM's policy, and the policy of each of its committees and subcommittees, to conduct all business and activity in full compliance with international, federal and state antitrust and competition laws. The ASTM Board of Directors has adopted an antitrust policy which is found in Section 19 of ASTM Regulations Governing Technical Committees. All members need to be aware of and compliant with this policy. The Regulations are accessible on the ASTM website (<http://www.astm.org/COMMIT/Regs.pdf>) and copies of the antitrust policy are available at the registration desk
- Reminder: Electronic recording of ASTM meetings is prohibited.

# Past Meeting Minutes

- No official minutes, but three topics discussed:
  - Oil 92 RR kick-off
  - Issue with recent crucible purchases
  - Use of CEM microwave oven heat source (Lubrizol)
- Will use this for Old Business in this meeting.

# Oil 92 RR/Proposed Limits

OIL 92 D874 Round Robin	LAB	Date Shipped	IND	TESTKEY	DTCOMP	INIFHEAT	GROSSWT	TAREWT	SAMWT	SLASTWT	FINALWT	SASHWT	SULF_ASH	TESTKEY STATUS
Day 1	G	20230822	92	183019	20231018	30	60.3721	50.3704	10.0017	50.4748	50.4738	0.1034	1.03	"92RR"
Day 2	G	20230822	92	183020	20231019	30	55.1887	45.1872	10.0015	45.2897	45.2894	0.1022	1.02	"92RR"
Day 3	G	20230822	92	183021	20231020	30	53.3167	43.3166	10.0001	43.4292	43.4284	0.1118	1.12	"92RR"
Day 4	G	20230822	92	183022	20231024	30	56.4502	46.4491	10.0011	46.5549	46.5539	0.1048	1.05	"92RR"
OIL 92 D874 Round Robin	LAB	Date Shipped	IND	TESTKEY	DTCOMP	INIFHEAT	GROSSWT	TAREWT	SAMWT	SLASTWT	FINALWT	SASHWT	SULF_ASH	TESTKEY STATUS
Day 1	BD	20230822	92	183023	20231012	30	45.9983	35.9832	10.0151	36.0833	36.0828	0.0996	0.99	"92RR"
Day 2	BD	20230822	92	183024	20231013	30	45.2798	35.2651	10.0147	35.364	35.3632	0.0981	0.98	"92RR"
Day 3	BD	20230822	92	183025	20231016	30	44.8139	34.6581	10.1158	34.7584	34.7575	0.0994	0.98	"92RR"
Day 4	BD	20230822	92	183026	20231017	30	46.0665	36.04	10.0265	36.1406	36.1399	0.0999	1.00	"92RR"
OIL 92 D874 Round Robin	LAB	Date Shipped	IND	TESTKEY	DTCOMP	INIFHEAT	GROSSWT	TAREWT	SAMWT	SLASTWT	FINALWT	SASHWT	SULF_ASH	TESTKEY STATUS
Day 1	AU	20230822	92	183027	20231109	25	52.8998	42.8965	10.0033	42.9955	42.9953	0.0988	0.99	"92RR"
Day 2	AU	20230822	92	183028	20231206	25	52.6242	42.5205	10.1037	42.6174	42.6168	0.0963	0.95	"92RR"
Day 3	AU	20230822	92	183029	20231215	30	52.0129	41.9254	10.0875	42.0269	42.026	0.1006	1.00	"92RR"
Day 4	AU	20230822	92	183030	20240108	30	53.4798	43.3932	10.0866	43.4918	43.4909	0.0977	0.97	"92RR"
OIL 92 D874 Round Robin	LAB	Date Shipped	IND	TESTKEY	DTCOMP	INIFHEAT	GROSSWT	TAREWT	SAMWT	SLASTWT	FINALWT	SASHWT	SULF_ASH	TESTKEY STATUS
Day 1	B	20230822	92	183031	20240104	30	39.9002	29.8707	10.0295	29.9798	29.979	0.1083	1.08	"92RR"
Day 2	B	20230822	92	183032	20240112	30	38.6455	28.5117	10.1338	28.6215	28.6206	0.1089	1.07	"92RR"
Day 3	B	20230822	92	183033	20240117	30	37.7756	27.7597	10.0159	27.8742	27.8732	0.1135	1.13	"92RR"
Day 4	B	20230822	92	183034	20240104	30	35.6331	25.5301	10.103	25.6398	25.6392	0.1091	1.08	"92RR"
OIL 92 D874 Round Robin	LAB	Date Shipped	IND	TESTKEY	DTCOMP	INIFHEAT	GROSSWT	TAREWT	SAMWT	SLASTWT	FINALWT	SASHWT	SULF_ASH	TESTKEY STATUS
Day 1	A	20230822	92	183035	20231012	30	49.592	39.5879	10.0041	39.6871	39.6861	0.0982	0.98	"92RR"
Day 2	A	20230822	92	183036	20231016	30	44.709	34.6256	10.0834	34.7221	34.7211	0.0955	0.95	"92RR"
Day 3	A	20230822	92	183037	20231019	30	44.3992	34.3583	10.0409	34.4638	34.4632	0.1049	1.04	"92RR"
Day 4	A	20230822	92	183038	20231019	30	44.6467	34.6294	10.0173	34.7307	34.7298	0.1004	1.00	"92RR"

Average	1.02
Std Dev	0.0530
Max	1.13
Min	0.95
n=20	
<b>Proposed P/F Range</b>	
mean - 1.96sd	0.916549
mean + 1.96 sd	1.124119
Low	0.92
High	1.12

<b>D874</b>	<b>Sulfated Ash</b>	Determine the Mass % Sulfated Ash	90 (also QC)	0.91	1.23
			92 (also QC?)	0.92	1.12
			91	0.72	0.92
			820-2	1.40	1.73

# Oil 92 RR/Proposed Limits

- Items for SP action:
  - Do we accept the proposed preliminary limits as shown on the prior page?
  - Will Oil 92 replace Oil 90 as the QC oil once Oil 90 is consumed?

## D874 Reference Oil Inventories:

Oil 92	52.4 gallons
Oil 90	4.2 gallons
Oil 820-2	6.1 gallons
Oil 91	3.0 gallons

# Update on CEM Microwave System

# Other Old Business?



# New Business

- New SP chair
  - Entertain a motion for Karina Gil to be the new D874 SP chair
  
- Any other New Business?