

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

Attendees:

John Loop	ASTM TMC
Karina Gil	Intertek
Yong-Li McFarland	SwRI
Becky Grinfield	SwRI
Joe Franklin	Intertek
Dennis Gaal	EM
Adam Ramos	SwRI
Jared Cavaliere	SwRI
Jeff Winfield	Lubrizol

The meeting was called to order by Dennis Gaal at 10:02 am.

Meeting agenda and presentation is in Attachment 1.

ASTM anti-trust statement and electronic recording policy were reviewed.

Agenda was reviewed and approved by unanimous agreement.

**Old Business:**

Results from the Oil 92 RR were reviewed by John Loop. Twenty data points had been obtained across the five labs to develop preliminary limits. Joe Franklin mentioned that typically thirty points have been used to set final limits, which would be necessary if Oil 92 were to replace Oil 90 as the QC oil once the remaining volume of Oil 90 has been used.

On discussion, obtaining ten additional data points for Oil 92 would likely take 18-24 months based on the 90 day calibration period and typical processes, so SP agreed to expedite the collection of the additional data points in the motion.

**Motion:** Accept preliminary limits for Oil 92 (0.92%-1.12%) and suspend blind assignments for next two calibrations to get two additional results from each lab to reach thirty data points. SP will revisit and finalize limits after testing has completed. (Made by Joe Franklin; seconded by Jeff Winfield)

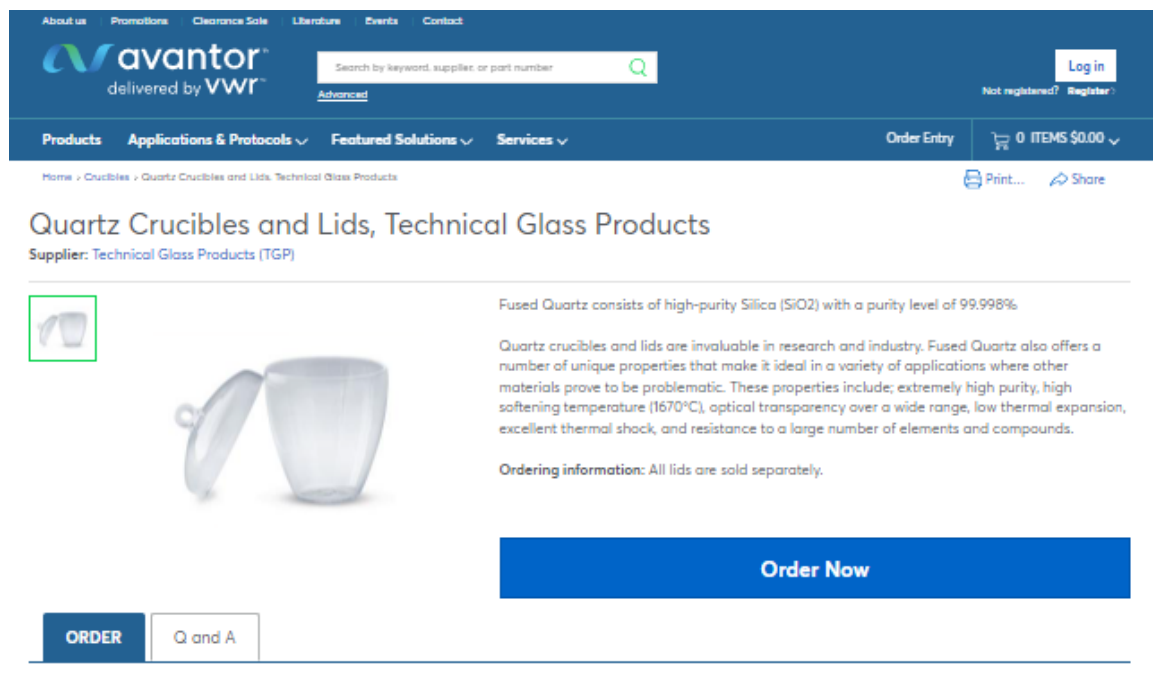
Motion passed unanimously.

John Loop confirmed Oil 90 should last roughly twelve months as a QC oil, so plan outlined in motion should be adequate to set final limits for Oil 92 to become the future QC oil.

Jeff Winfield gave an update on the work (Attachment 2) Lubrizol has done with the TMC reference oils using the CEM Microwave System as the heat source. There were some challenges with sample splattering, but results were supportive that the microwave heating system could work for the method. There was discussion on the need to engage Subcommittee 3 on whether the microwave system is an acceptable heat source as a future action.

Jeff Winfield indicated that no additional reference oil volume was needed at this time, but may come back to SP to request additional volume in the future to support additional work.

As a final point of Old Business, Jeff Winfield discussed that Lubrizol has had a significant number of issues with cracking by porcelain crucibles. Lubrizol has moved to fused silica crucibles which last 20+ testing cycles and are cleaned by soaking overnight in 1:1 HCl or HNO<sub>3</sub>. Jeff shared an example of these crucibles ordered from VWR below.



The screenshot shows the Avantor website interface. At the top, there is a navigation bar with links for About us, Promotions, Clearance Sale, Literature, Events, and Contact. The Avantor logo is prominently displayed, along with the tagline "delivered by VWR". A search bar is located in the center, and a "Log in" button is on the right. Below the navigation bar, there are several menu items: Products, Applications & Protocols, Featured Solutions, and Services. The main content area features a product page for "Quartz Crucibles and Lids, Technical Glass Products". The page includes a product image of a quartz crucible and lid, a description of fused quartz properties, and an "Order Now" button. The supplier is listed as "Technical Glass Products (TGP)".

## New Business

With Matt Schlaff having stepped down as chair, Karina Gil has stepped forward to be SP chair.

**Motion:** Karina Gil to become the chair for the D874 SP. (made by Joe Franklin; seconded by Adam Ramos)

Motion passed unanimously.

There was no further new business.

Meeting was adjourned at 10:47 am CDT.

Respectfully submitted

Dennis Gaal



Attachment 1 -  
D874 SP meeting.ppt



Attachment 2 -  
ASTM D874 Sulfated