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**COMMITTEE D02 on PETROLEUM PRODUCTS, LIQUID FUELS, AND LUBRICANTS**

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# Fuels task Force Minutes

The meeting was called to order by Chairman Lochte on October 29, 2020 at 9:30 AM Central Time.

Attendance was recorded as per attachment 1

The meeting started with Dr. Schaak's (Haltermann Carless) presentation:

- Travis – table on page 4 is misleading. The multiplier chosen assigns 95% risk to purchaser.
- Prasad – what is the multiplier to lower the supplier risk? Travis will explain later in his presentation
- Dr. Schaak – mentioned D6839 as a more accurate alternative to D5769.
- Bob Campbell – can we use little r instead of big R? Little r more appropriate if all analysis is done at the same lab. On specs the window has to be narrowed down. Travis said that there is no provision in ASTM 3244 for using little r in place of big R.
- Jonathan VanScoyoc – the specification limit should be set on needed performance not on test method limitations.

Second was Travis Kostan's presentation:

The presentation was not about how to choose the right window for the specs but is about how the supplier and the receiver deals with conflict when a fuel is tested and found to be out of specs. If these two results (lab and Haltermann Solutions) are within reproducibility, then we can average both results.

During a discussion about whether the aromatic limits were too tight, Mike pointed that GM, the OEM sponsor of the Sequence VI test, was not willing to widen the limits on the last meeting and they will need to sign (approve) any information letter supporting that test.
Prasad: would prefer 30-35 limits. He needs more data, and then work from there.
Mike: Proposed 31-34 as limits and ASTM to put a notation at the bottom of fuel spec sheet on how to handle disputes.
Mike: Can we live with the current proposal? Bob: Why do we have to deviate?

Travis: there is no guidance to set Spec limits based on repeatability. We based it on the data and range historically.
Bob Campbell agreed that we have to keep the fuel the way it is and he is not in favor in a wider window.
Dr. Schaak stated that even if the fuel is constant we still see these differences as a result of the repeatability and reproducibility of the analytical methods. If limits are too tight we will be seeing out of spec claims.
Bob: We need to have at least a spec requirement for the supplier. We need to stay 31-34 and need to know how the suppliers get their numbers, i.e., can they run it at multiple labs and choose the number that goes on the C of A?
Dr. Schaak: we can choose a reference lab like we do in Europe and here and send a sample.
Mike: Trouble is which lab to choose. Various labs run those tests, all may think they are the best qualified to do that.
Total agreed with Mike's comments.
After conclusion of discussion, a roll call vote was taken and all were in favor (that voted) of presenting the Sequence VI proposal to the Sequence VI Surveillance Panel. Haltermann Solutions waived.
Official vote will take place in the surveillance panel meeting.

Next the group considered the proposal for Sequence III, IX, and X fuel
Bob Patzelt wondered if there was a correlation between D5769 and D6839 in terms of aromatics. There was a presentation in the previous meeting from Haltermann Carless that the group had previously seen and after seeing it, the group agreed to put a note in the procedure. Mike found the previous presentation and showed it to the group. Bob was satisfied with it.
During a roll call vote all were in favor (that voted) of presenting the Sequence III, Seq. IX, and Seq. X fuel proposal to those panels. Haltermann Solutions waived.

The discussion moved to item 6 from the agenda, aromatics by D1319 compared to D5769. For the Sequence III fuel, Haltermann Solutions was using both tests and SwRI was able to make a correlation study using that data. No such data exists for KA24E fuel. SwRI tried using the D1319 with new dye to correlate to D5769, but the correlation equation did not work well.

In previous meetings, the KA24E specification proposal was proposed, which includes 28.5% to 34.5% aromatics specification per D5769. This proposal was brought to a roll call vote and all were in favor.

Closing comments: Lochte thanked the group for coming to the meeting prepared so that we could get through our agenda. Prasad stated is was an excellent meeting. Lochte will send the 3 specs to the surveillance panels.

Meeting adjourned at 11:05 AM.

Michael Lochte

Mike Lochte, Chairman
TGC Fuel Task Force

Attachment 1

**Fuels Task Force Meeting Attendees, October 29, 2020**

| | | | | |
|---|---|---|---|---|
| 1 | Bob | Campbell | Afton Chemical | x |
| 2 | Jeff | Clark | ASTM | |
| 3 | Frank | Farber | ASTM | |
| 4 | Rich | Grundza | ASTM | x |
| 5 | Sean | Moyer | ASTM | x |
| 6 | Scott | Parke | ASTM | |
| 7 | Marissa | Macagnone | BASF | |
| 8 | Mark | Cooper | Chevron | x |
| 9 | Jonathan | VanScoyoc | ConocoPhillips | x |
| 10 | Ricardo | Conti | ExxonMobil | |
| 11 | Paul | Rubas | ExxonMobil | x |
| 12 | Jim | Carter | Gage Products | x |
| 13 | Bob | Patzelt | Gage Products | x |
| 14 | Veronica | Akers | GM | x |
| 15 | Tim | Cushing | GM | x |
| 16 | Nathan | Siebert | GM | |
| 17 | Jarvis | Brown | Haltermann Solutions | |
| 18 | Prasad | Tumati | Haltermann Solution | x |
| 19 | Tracey | King | Haltermann Carless | x |
| 20 | Jens | Schaak | Haltermann Carless | x |
| 21 | Charlie | Leverett | Infineum | |
| 22 | Michael | Madalian | Infineum | |
| 23 | Andrew | Ritchie | Infineum | x |
| 24 | William | Buscher | Intertek | x |
| 25 | Alfonso | Lopez | Intertek | |
| 26 | James | Matasic | Lubrizol | x |
| 27 | Andrew | Stevens | Lubrizol | x |
| 28 | George | Szappanos | Lubrizol | x |
| 29 | Jason | Bowden | OH Technologies | |
| 30 | Chris | Taylor | PSL Services | x |
| 31 | Jeff | Hsu | Shell | x |
| 32 | Travis | Kostan | SwRI | x |
| 33 | Pat | Lang | SwRI | x |
| 34 | Mike | Lochte | SwRI | x |
| 35 | Mark | Sutherland | TEI | |
| 36 | Didier | Bedel | Total | |
| 37 | Gael | Fralo | Total | |
| 38 | Benjamin | Lemasson | Total | |
| 39 | Nora | Weinberg | Total | x |
| 40 | James | Harlow | VP Racing Fuels | |
| 41 | Mark | Walls | VP Racing Fuels | x |