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

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Unapproved Meeting Minutes of the Technical Guidance Committee Meeting

December 10, 2018

Marriott Marquis Atlanta, Georgia

M301 Meeting Room 4:00 – 5:30 PM

**Reply to:** Patrick Lang

Southwest Research Institute, 6220 Culebra Road San Antonio, TX 78228

Phone: 210-522-2820, patrick.lang@swri.org

The meeting was called to order at 16:00

**Agenda:**

The meeting agenda can be found as attachment 1.

### **Membership Review:**

Chairman Lang passed out the Membership/Attendance List. The list can be found as attachment 2.

### **Review and Acceptance of Minutes:**

Pat Lang asked for approval of the June 25, 2018 TGC Minutes (Phoenix meeting). Receiving no comments on the minutes the group moved for approval of the aforementioned minutes.

### **Action Item List:**

Pat Lang reviewed the Action Item List; the action item list can be found as attachment 3. As summary is as follows:

#### **Completed Action items:**

- 1) TGC recommends that significant figures be considered when setting the limits in D4485.
- 2) Alternate supplier wording is now being incorporated into the procedures that are being written. This is now an item on the facilitators check list when reviewing procedures.
- 3) Guidelines for the procurement process were exercised during the VH Sludge fuel contract.
  - a. Andy Ritchie stated that the VH fuel contract was a success but advised that it is important the procurement process gets started early since it can take a significant amount of time to negotiate and work out all of the details of a final contract.
- 4) ACC has declined on modifying the ACC conformance statement to denote testing anomalies. The TGC will have to investigate another way to handle the issue.

#### **Open Action Items:**

- 1) Critical parts lists are being incorporated into all test procedures. The GF-6 procedures that are currently being written have been reviewed for this requirement.
  - a. A suggestion was made that it might be more efficient to have a part description in the test procedure without a part number and have the latest part number reside on the TMC website so that part number changes are easier to manage. There were some concerns about this; some felt the procedure should have the part number.
- 2) The document for "out of control" tests needs to be reviewed.
- 3) Determining equivalency limits for alternate suppliers is going to be removed as an action item. The panel decided that when an alternate supplier expresses the desire to provide a critical item the requirements will be dictated by the surveillance panel that oversee that particular test type. It would be too difficult a task to define this ahead of time for every critical component in all the different test types.
- 4) The TGC will work towards convening a group of interested parties to review the DACA II document.

- 5) The TGC will work on generating generic wording that can be put in test procedures for addressing testing anomalies.

#### **Fuels Task Force Update:**

Fuels task force update provided by Jim Matasic (see attachment 4). Jim reported that work has completed on the PC-10 (ULSD) and PC-9HS fuel spec reviews. Task force is near completion on the review of Haltermann EEE and KA24E Green Fuel specs. Discussions have started on defining a fuel batch and the monitoring protocol that should be exercised at the test labs. Test procedures vary largely on fuel monitoring requirements. The goal is to put together a protocol that makes sense for monitoring fuels that are used for multiple test types within a lab and eliminate unnecessary or redundant analyses. Jim advised that the contractual process has started for the Sequence VIE/F fuel (EEE w/DCA).

Due to other responsibilities, Jim Matasic will be stepping down as chairman. The TGC would like to thank Jim for his time and service to the panel. Under Jim's leadership the fuels task force activities were restarted and over the last three years good progress has been made with addressing fuel related issues that affect all engine tests. Accomplishments include a thorough review and update of the diesel fuel and gasoline specifications, guidance given to support the successful contract creation and execution for the VH sludge fuel and significant effort to capture fuel data for future reference.

Mike Lochte of Southwest Research Institute will take over the chairmanship.

#### **Rating Task Force:**

Rating task force report was given by Bob Campbell (see attachment 5). In this reporting period the HD workshop was conducted the week of 10/22/18. The new workshop format of having two sessions with the first for the experienced raters followed by the less experienced, seems to be working well. Additionally, some of the experienced raters act as trainers during the second session to help keep things moving. Post workshop conference calls are being held to review the how the workshop went and discuss opportunities to improve.

The Rating Task Force completed the task of reviewing and updating ASTM Rating Manual 20. The manual will not be given a "D" number but will use the Information Letter System for updates that are needed. Availability of the updated manual will be announced in 2019.

Labs are working on acquiring ratings with LED lights to compare to Fluorescent lights. TMC will compile the data once it becomes available and provide it to the rating task force for review.

One of the on-going concerns regarding the rating workshops is the fact that it is fairly common for "green" raters to be sent to the workshop looking to be trained on how to rate. This tends to bog down the process and create delays. One of the solutions that is on the table is to have a rater training workshop where people without experience could actually be trained on how to rate before the workshop. This could potentially be a prerequisite for signing up for the actual rating workshop. The thought is that one of the San Antonio labs would be the entity that would offer such a training course. The general feeling is

that the course needs to be a week long. The task force will keep this as an active action item and work on soliciting industry for a lab that may be interested in offering the workshop. The expectation is that there would be a fee for the workshop and that there would be a limit to the number of students that could take the course for any given session. Additionally, it is recognized that there are limited resources (expert raters) available at labs to do this type of training so this could dictate timing for the training workshop relative to the normal rating workshop.

### **Old Business:**

#### **DACA II Document Review:**

Review of the DACA II document has been an action item for the TGC to address. Chairman Lang looked to the group for direction from the panel on how to get the process started. The panel advised that the intent of this process would be to just update the document but not revise the requirements.

**Action Item #1:** The TGC Chairman will send out a message to industry players to find out who is interested in participating in the document review. Once the group is identified a conference call will be initiated and the next steps determined.

#### **D4485 Precision vs. Test Report Precision**

The group discussed the concern regarding the difference in test result precision in the test report relative to the D4485. It is fairly common for the test report to have results with more precision than D4485. This can lead to uncertainty when comparing the report to the specification. In general, the consensus was that with new categories should be mindful of this so when D4485 is update for a new specification, that consideration is given to significant figures.

There is discussions of a task force to be started for the review of D4485. If this materializes, this issue will be discussed within that group.

#### **ExxonMobil Palletized Test Stand:**

No additional comments or concerns were raised regarding the ExxonMobil proposed palletized stand system.

### **New Business:**

#### **Critical parts inventory level reporting from OEM', CPD's and Fuel Suppliers**

The industry is entertaining the request to make it mandatory for critical parts suppliers to provide periodic updates (frequency to be determined) on the actual quantity in their inventory. This information

is intended to be used for better planning at both the lab and industry level for such things as a transition in batch codes or the potential of running out of parts that could lead to test unavailability. Since there are some tests that require reference tests to be conducted when changing batch codes, it is necessary for labs to know in advance how soon the current batch code will be depleted so these references can be coordinated and run while there is sufficient inventory remaining of the current batch. This will allow time to determine a plan in the event that the new batch has a performance change that will need to be addressed.

Jason Bowden of OHT expressed concern with this request based on the premise that this request could be in violation of ASTM anti-trust guidelines.

This was the last item on the agenda that was covered during this meeting and there was little time for discussion. This will remain on the action item list.

The meeting adjourned at 17:30.

# **Attachment #1**

## **Agenda**

**12/10/2018**

## **AGENDA**

### **ASTM Technical Guidance Committee**

Patrick Lang – Chairman

Monday December 10, 2018 – 4:00 pm to 5:30 pm

Atlanta Marriott Marquis, Atlanta, GA

Meeting Room: M301

1. Welcome, Introductions
2. Membership Review
3. Chairman's Comments
4. Review & Acceptance of Minutes
  - 4.1. Acceptance of the June 25, 2018 minutes (Phoenix). No comments or changes have been submitted at this point.
5. Review Action Item List (Pat Lang)
6. Fuel Task Force Update (Jim Matasic)
  - 6.1. Update on fuel specification reviews
  - 6.2. Chairmanship change
7. Rating Task Force Update (Bob Campbell)
  - 7.1. Summary of fall 2018 Rating Workshop
  - 7.2. Status of ASTM Deposit Rating Manuals 20/21
8. Old Business
  - 8.1. DACA II Document review
    - 8.1.1. How to get started? Who are the appropriate people to review?

8.2. Test report precision vs. D4485 precision – What is the next step to ensure that we work towards getting D4485 precision and test report precision to match.

8.3. Chairman has not received any comments or concerns regarding the palletized stand system proposed by ExxonMobil at the June 2018 TGC Meeting.

9. New Business

9.1. Critical parts inventory level reporting from OEM's, central parts suppliers and fuel suppliers.

9.1.1. Establish required reporting intervals.

9.2. Generic wording for testing anomalies in test reports.

10. Next Meeting

11. Adjournment

**Attachment #2**

**Attendance List**

**12/10/18**

Voting Member List

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Voting Member List

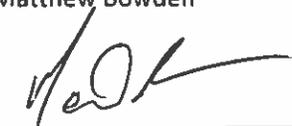
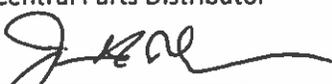
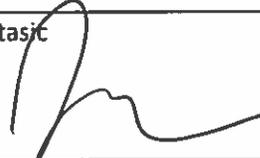
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# Guest List

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**Attachment #3**

**Action Items List**

**12/10/18**

## Technical Guidance Committee (TGC)

### Completed Action Items List Status as of 12-10-18:

1. Action Item – The TGC chair to recommend to the HDEO Surveillance Panel chairs that the HDEO merit system be evaluated for whether or not the final result value should be reported to the same precision as the pass/fail limit.
  - *Complete. Recommendation is to consider the precision in the test report when setting the limits in D4485.*
  
2. Action Item – The TGC to develop standardized wording for the process for substituting materials, which can be applied to all test types.
  - *Complete. Alternate supplier wording already being included in the GF-6 procedures that are currently being written.*
  
3. Action Item – Establish guidelines for the TMC when exercising the procurement process for testing materials.
  - *Complete. Sequence VH fuel contract is first example of contract. Future contracts will use the learnings from that effort.*
  
4. Action Item – Investigate the feasibility of modifying the ACC conformance to include identification of tests with anomalies.
  - *Complete. ACC declined on modifying the conformance statement.*

**Open Action Items List Status as of 12-10-18:**

1. Action Item – The TGC to review the parts lists in each test procedure, starting with the PCMO test types, to determine if they list all necessary parts and if they properly identify the critical test parts.
  - *Ongoing. Chair currently working with GF-6 procedure task forces to incorporate/refine these lists.*
  
2. Action Item – TGC to review the current document for “out of control” tests.
  - *Open*
  
3. Action Item – Work towards creating equivalency testing guidelines for commissioning alternate supplier components/materials.
  - *Some discussions but still open*
  
4. Action Item – TGC to review the current “DACA II” document.
  - *Open*
  
5. Action Item – TGC to work on generating test procedure wording that would address the handling of testing anomalies.
  - *Open*

# **Attachment #4**

**Fuels Task Force Update  
12/10/2018**



# TGC Fuels Task Force

Update to TGC 12/10/2018



# Task Force Actions during 3/4Q 2018

- ▶ Work complete on PC-10 (ULSD) and PC-9HS fuel specs
  - ▶ [Http://www.astmtmc.cmu.edu/ftp/docs/fuel/tmc-monitored%20test%20fuel%20specifications.pdf](http://www.astmtmc.cmu.edu/ftp/docs/fuel/tmc-monitored%20test%20fuel%20specifications.pdf)
- ▶ Task Force near complete on Haltermann EEE and Green Fuel specs
- ▶ Task Force has started to discuss Batch Definition and Monitoring Plans



# Other Test Fuel Activities

- ▶ Non-Related to TGC Fuels Task Force
  - ▶ Seq. VIE Test Fuel contract is in process
- ▶ Initial discussions around contract with CPCChem on PC-10/PC-9HS fuel has begun.
- ▶ New Task Force Chairman

## **Attachment #5**

**Rater Task Force Update to TGC**

**12/10/2018**



# Rater Task Force Update to TGC

12/10/2018

Passion for Solutions®

# What we've been doing.....

-  **Conference call 9/5 (Pre-Workshop Discussion)**
-  **Heavy Duty Workshop week of 10/22**
-  **Conference call 11/29 (Post-Workshop Discussion)**
-  **Webex to be scheduled in April for pre 2019 LD workshop**
  
-  **Next workshop (LD), week of May 6, 2019 in San Antonio**

# Fall Workshop update

## **New format continues to work well**

- ▲ 2 sessions, first experienced raters, second less so

## **Improved Trainer visibility works well**

- ▲ 6 Trainers worked second half
- ▲ Red shirts
- ▲ First line of defense to help the novice raters

## **Workshop data available quickly after workshop (~10 days)**

## **Experienced Rater (rather than TMC) led opening discussion for session 2**

# CEC Manuals 20/21

 **Rater TF tasked with updating and “owning” them**

 **Will not be “D” number**

- ▶ ASTM Rating Manual 20
  - Information Letter system employed for updates

 **Manual review completed**

- ▶ Updated to reflect intent and current practice, and passed to ASTM
- ▶ Stay tuned, status update should be available June 2019 ASTM

# Ongoing Actions

## Conversion to LED lights

- ▶ LED light specs will be supplied to all labs by year end (Afton)
  - done
- ▶ Labs will rate some inhouse parts in duplicate (fluorescent and LED) and provide date to TMC for blind coding.
- ▶ Once adequate data exists, the subsequent analysis will direct our path forward.

## Continue to review parts availability and workshop protocols to ensure the industry are properly served

## Ensure more interaction between rating community and surveillance panels

- ▶ Panel Chairs, please have discussions within your respective panels regarding rating, and raise any particular concerns to our group so they may be addressed either through the workshop or discussions.

# Workshop Participation Criteria

 **Workshops are for calibrating and light training, but basic understanding of deposits and hardware is a prerequisite**

## **How to ensure this?**

- ▶ Potential training workshop held week prior to HD workshop in San Antonio
  - Details are important as it will tax labs and participating trainers
- ▶ Will poll industry (globally) to verify interest
  - GB D1-2019 labs for example