

Sequence III Surveillance Panel Teleconference
Minutes
Tuesday November 13, 2018

Agenda

As the host, I have not in the past and will not in the future record any ASTM meeting and there are no “authorized persons” that may record an ASTM meeting. As a reminder to everyone the recording of ASTM meetings is prohibited.

1.0) Attendance



Attendance.pdf

2.0) Approval of minutes

2.1) Minutes from 9/25/2018 Meeting – approved as issued.

3.0) IIIH Action Items



IIIH 434-3

Targets-Revised.pdf

3.1) IIIH Data Review of 434-3 - Dvorak

Todd Dvorak presented (attached) the stats group’s target analysis for oil 434-3. It was noted for WPD and PHOS, there is no significant difference between 434-2 and 434-3 and therefore no target changes are recommended. PVIS and MRV show differences between the two blends, and therefore it is proposed to update targets using Ln for PVIS (slide 8) and substituting the PVIS Yi for the MRV Yi for reference oil 434-3 only (slide 12). It was noted that the PVIS uses a natural log transform for oil 434-3 only (other reference oils are not transformed). It was also noted that with more data, the panel may need to revisit targets in the future.

Motion (Altman/Schweitzer): Accept the stats group recommendations for PVIS and MRV for reference oil 434-3 – see table below. The motion passed 17-0-3.

434-3	Mean	Standard Deviation
LnPVIS	5.7602	0.6598
WPD	same as 434-2	
Phos	same as 434-2	
LnMRV	use LnPVIS yi for SA	

Motion (Altman/Schweitzer): Declare this to be an urgent target update, making the targets effective immediately for all future 434-3 test results, as well as all 434-3 tests that are in a pending status as of November 13, 2018. The motion passed 16-0-4.

Motion (Schweitzer/Stockwell): Reference oil 434-3 is now available for referencing (it had previously been suspended). The motion passed without objection.

3.2) IIIH Engine Storage and Rebuild task force - Altman & Betz

A meeting is expected sometime later this month. Details for future plans might be forthcoming after that meeting.

3.3) Maintenance of older API S categories.

Todd Dvorak commented that there is interest in analyzing the data of the correlation tests and he expects the stats group to take this up in the near future. Once the data is reviewed the Seq. III panel will likely need to determine how to move forward.

4.0) New Business

4.1) Brulin 815 QR DF used in ultrasonic cleaner

Addison Schweitzer informed the group that Brulin 815 QR DF is being replaced by 815 QR NF. It is expected that this is a functional equivalent (per Brulin's statement) and the change is intended to increase biodegradability.

Motion (Schweitzer/Stockwell): Labs are permitted to change to 815 QR NF at their discretion, though they are indicate the first use in a reference test in the report comments and are to notify the panel of the results. The motion passed without objection.

Action Item: the TMC will issue an information letter accordingly.

4.2) Reference Oil Test Quantity

Ed Altman noted that the oil volume for reference oil samples is excessive. The panel concurred that 2.5 gallons would be sufficient. If any lab feels this is not sufficient, they must notify the TMC by November 21, 2018.

Action Item: labs notify the TMC by 11/21/18 if 2.5 gallons is not enough oil per test.

Action Item: TMC reduce reference oil sample quantity to 2.5 gallons, assuming no lab indicates that to be an insufficient quantity.

4.3) Introduction of the Next Batch of Piston Rings (BC-6 rings)

The next batch of rings will need to be introduced in the next few months. The BC-6 rings were made at the same time as the BC-5 rings, but they were not gapped. There was discussion over batch sizes and inventory life.

Action Item: OHT was asked, and agreed, to send a set of BC-6 rings to the labs for measurement.

Action Item: labs to provide Todd Dvorak with the measurements for analysis

The hope is that, after the labs measure the rings and assuming they check out, then perhaps the BC-6 rings can be introduced as a FIFO running change.

4.4) Quality Index Calculation Wording

Rich Grundza suggested that the IIIH method be changed to make reference to the DACAI report rather than actually spell out the QI protocol (mainly for purposes of document control). Additionally, over/under range limits did not previously exist. It was also pointed out that the report forms would need to be changed to accommodate over/under range reporting.

Motion (Grundza/Stockwell): To accept the changes to the QI protocol as shown in the attached document, effective December 1, 2018. The motion passed without objection.

Action Item: the TMC will issue an information letter accordingly.

Action Item: the TMC will update report forms accordingly.



QI Protocol.pdf

4.5) PVIS Transformation in IIIH Test Method

Rich Grundza noted a necessary correct to show PVIS as a transformed parameter. He provided a revised Table 7 (attached) which will be issued in an Information Letter.

Action Item: the TMC will issue an information letter accordingly.



TABLE 7 Test
Precision for Sequenc

5.0) **Next Meeting**

Tentatively set for 1/15/19 unless a call is necessary for BC-6 ring introduction

6.0) **Meeting Adjourned**

11:55 a.m. EST