

# Sequence III Surveillance Panel Meeting Minutes

Teleconference

Thursday May 18, 2017

09:00 – 10:30 CST

*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

The teleconference meeting attendance is attached.



Attendance.pdf

## 2.0) Approval of minutes

3.1) Minutes from 05/04/2017 WebEx Conference Meeting

The minutes were approved without dissent.

## 3.0) IIIH Action Items

3.1) Calibration motion:

IIIH Dealer Engine to FCA Engine Transition – wording provided by Addison Schweitzer

“At the Sequence III meeting on 4/13 the panel discussed the number of remaining dealer engines in the industry that would result in shortened reference intervals as they become depleted. IAR is requesting that the remaining runs on the calibration interval for any stand calibrated on dealer engines be granted as an extension once the stand is calibrated on the FCA engines. For example, a stand that has completed 6 candidate runs would be granted an extension of 9 candidate runs in addition to the standard 15 candidate runs once a calibration was obtained on the FCA engine. This motion is also intended to capture remaining time with respect to the calibration expiration date as part of the extension. Due to the concern associated with having to perform early reference tests while transitioning to the FCA engines, IAR proposes the following:”

### **MOTION:**

***IAR motions that any test stand which has or will reference early on FCA engines as requested by the surveillance panel be allowed to carry over any unused candidate runs and candidate time of the dealer engine reference period, to the first reference period on FCA engines.***

***Secinded by: Ed Altman***

*The motion carried 12-0-3.*

3.2) BOI/VGRA matrix request. **Stockwell – update**

The BOI/VGRA task force is not comfortable moving forward with the BOI/VGRA matrix until we have separation between the reference oils again. We need to discuss how best to do this. This leads to the Batch 4 pistons severity discussion that follows in section 3.3.

3.3) Severity on batch 4 Pistons **Tang / Statistics - update**

At the previous meeting the stats group was asked to examine possible ways to statistically handle the severity issues on Batch 4 pistons. Jo Martinez and Martin Chadwick presented the analysis, attached. Two options were presented (slides 28 and 29). The stats group was unable to reach consensus on a best way forward.



Seq IIIH BC4 Pistons  
Adjustment 051817.p

During discussion, several options were considered. Actions/Motions coming out of the discussion were as follows:

**ACTION:** Lab severity task force to reconvene (to be led by Jason Bowden).

**ACTION:** Surveillance Panel to meet on June 1 to review task force recommendations.

**ACTION:** Ring gap data to be gathered, Ed Altman will coordinate.

**MOTION:** Add top/bottom combustion ring gaps to IIIH/A/B report forms (Altman, Schweitzer). Passed without objection. TMC will start the process of revising the report packages.

**ACTION:** Stats group asked to present pooled standard deviations for Batch 4 piston test results

**ACTION:** Robert Stockwell to send broadcast notice of possible LTMS change as presented in stats analysis (to meet 2 week notice requirement).

3.4) Sequence IIIF/G parts reuse cleaning. **Schweitzer**

Addison Schweitzer presented the attached document on conrod re-use and then motioned, Pat Lang seconded, as follows:



Seq III Con Rods  
20170419.pdf

**MOTION:**

**IAR recommends the Sequence III Surveillance Panel to approve that any connecting rod/connecting rod bushing that does not show excessive wear or deformation, meets the Fit-in-Rod clearance specification (0.0003 – 0.0009 in), and has been cleaned following the ultrasonic cleaning guidelines outlined in section 9.5 of the IIIF/G test procedure be allowed for re-use in the IIIIF/G test type following a successful reference test with the effective date of 5/18/2017.**

The motion passed without objection.

4.0) **Next Meeting**

Scheduled for June 2, 2017

5.0) **Meeting Adjourned**

At 10:52 a.m. CDT.