The following is the minutes for the D02.B0.07 TEOST 33C Surveillance Panel Teleconference held on April 9th, 2013 starting at 11:00 AM EST.

The following participants called in:

Angelina Chan The Lubrizol Corporation (Surveillance Panel Chair)

Rebecca Grinfield Southwest Research Institute

Rick Hartman The Lubrizol Corporation

Yong-Li McFarland Southwest Research Institute

Greg Miiller Tannas Company

Mihir Patel Vanderbilt Chemicals, LLC

Matt Schlaff Intertek Automotive Research

Tom Schofield ASTM Test Monitoring Center

Ted Selby Savant Incorporated

Following roll call, Angelina Chan gave a brief introduction of the purpose of the meeting and what the attachments provided were.

Tom Schofield gave further explanation of the excel worksheets and plots that contained the round robin and calibration data up to 30 points each for both Oil 75 and Oil 435-2.

Discussion of the data followed with expressed concerns of the increase in standard deviation of the overall results as compared to the initial round robin results. Angelina Chan referred to a PowerPoint attached to the email showing the statistical analysis of the results provided by both oil. While the statistical analysis showed there was an increase in variability of the candidate results, there was no shift in the average mean for both oils to indicate any issues with the results. This increase in standard deviation is most likely a truer representation of the test variation because this data is collected over a wider range of time as compared to the initial round robin.

Matt Schlaff, Rick Hartman, Greg Miiller, and Tom Schofield also had a discussion of the reproducibility of the method and it was agreed that the proposed limits fall in the range of reproducibility as calculated per the ASTM D6335 reproducibility equation. Ted Selby also mentioned that with two work items in place to better align the methods, this may potentially tighten the process and improve the precision of the method. This topic will be revisited later on as is the assessment of the need for a TEOST workshop in the future. Tom Schofield also pointed out that if we accept the proposed limits, these two oils will discriminate.

Tom Schofield made a motion to accept the 30 points data for Oil 75 and Oil 435-2 to generate the new targets and acceptance bands. The Surveillance Panel present at the Teleconference unanimously accepted the motion.

The following tables reflect the changes to the targets and acceptance bands. The green represents the current limits generated through the round robin and the red is the new limits.

75

|  |  |  |
| --- | --- | --- |
| Limits | Current/RR  44-66.3 | n=30  40.8 - 66.5 |
| Max | 65.1 | 66.8 |
| 95% Upper | 66.3 | 66.5 |
| Mean | 55.16 | 53.66 |
| s.d. | 5.68 | 6.56 |
| 95%Lower | 44.0 | 40.8 |
| Min | 47.5 | 40.7 |
| n | 14 | 30 |

432-2

|  |  |  |
| --- | --- | --- |
| Limits | Current/RR  21.3-32.6 | n=30  19.4 - 38 |
| Max | 32.2 | 39.4 |
| 95% Upper | 32.6 | 38.0 |
| Mean | 26.95 | 28.71 |
| s.d. | 2.86 | 4.76 |
| 95%Lower | 21.3 | 19.4 |
| Min | 22.9 | 16.8 |
| n | 15 | 30 |

The effective date for the new targets and acceptance bands is Monday, April 15, 2013.

Action Items:

1. TMC to add approved targets and acceptance bands to monitoring system. This is to be effective Monday, April 15th, 2013.
2. TMC will issue a technical memo about the approved targets and acceptance bands.

The teleconference was adjourned at 11:30 AM EST.