

## **Mack Surveillance Panel**

**Monday June 4, 2012**  
**3:00 p.m. – 5:00 p.m. Eastern Time**  
**Teleconference and Net Meeting**

**Live link:**

<https://mymeeting.chevron.com/cvx/meet/?ExEventID=296769>

**Dial-in number:**

**877-344-4239**

**Passcode:**

**296769#**

## **Mack Surveillance Panel Meeting Notes**

The conference convened at 3:00 p.m. Eastern time, with Mark Cooper as Surveillance Panel Chair.

### **Membership / Attendance**

**Mark Cooper**

Mark Cooper, Addison Schweitzer, Scott Richards, Jim Rutherford, Greg Shank, Bob Campbell, Jim Matasic, Sean Moyer, Zack Bishop, Pat Fetterman, Mike Alessi, Jim Moritz, Jeff Clark, and Doyle Boese.

### **Review T-12 Industry Correction Factor**

**Jim Rutherford/Group**

At the May 31<sup>st</sup> Mack Surveillance Panel meeting, the panel decided to set up an additional teleconference to allow Jim Rutherford time to present his suggested updates to the industry correction factors for the Mack T-12.

Jim Rutherford presented his statistical analysis through a net meeting. Jim began by stating that he nominally utilized PC10E, 821, 821-1, and 821-2 as well as STVN references (a total of 61 tests). He stressed that many different approaches were taken in his analysis. LTMS version 2 type industry adjustments were calculated base on industry charts without Industry Correction Factors or Severity Adjustments, but a full LTMS version 2 charting for the labs was not processed. Jim pointed out that LTMS version 2 type adjustments were dependent on targets and standard deviations while usual Industry Correction Factors were dependent on targets only. Jim reasoned that passenger car type analyses were completed without the Industry Correction Factors applied.

The plots were organized as follows:

- Test Labs –Color
- Hardware Batch – Shape
- Horizontal Line – Target
- X – Date
- Y – Units

Jim displayed the latest 18.5 draft for LTMS version 2 and provided a brief overview. Next, Jim presented the uncorrected Mack Merits on slide 5, clearly showing far less merits than previous years after July 2008. It was further explained that 1226 was the average Mack Merits with a standard deviation of 260, however the recent average was around 500 merits lower. The last ten tests

ranged from 300 – 1200 Mack Merits with most below 1000 merits. Jim Rutherford stressed that this did not suggest that adjustments needed to be made to the merits, but that he felt more comfortable making adjustments to the individual parameters.

**Action Item:**

Scott Richards requested that Jim Rutherford plot the adjusted Mack Merit results for a comparison to the unadjusted Mack Merit plot given in the presentation.

Jim continued his presentation starting with cylinder liner wear:

Slide 7 – Cylinder liner wear without industry corrections.

Slide 8 – Cylinder liner wear with industry corrections.

Slide 9 – Cylinder liner wear with severity adjustments.

Slide 10 – Cylinder liner wear with severity adjustments and industry corrections.

Slide 11 & 12 – PC type analyses Part 1 & 2.

Jim convinced the Mack Surveillance Panel that all other pass/fail parameters were analyzed and presented in the same manner and moved onto the summary slide. In summary, after much discussion, Jim established his suggested correction factors utilizing the 17 test multiplicative factor:

CLW	0.95
InPb	0.92
TRWL	0.71
InOC	0.96
InPb2	0.96

\*Note: See attachment to review Jim Rutherford’s statistical analysis and proposed modifications to correction factors in the PDF file called Itms20120504.

**Motion**

Greg Shank initiated a motion to utilize Jim Rutherford’s Industry Correction Factors calculated by the 17 test multiplicative factor for up to three significant figures:

CLW	0.946
InPb	0.923
TRWL	0.705
InOC	0.961
InPb2	0.956

The test labs are to re-submit TCR’s for all STWN hardware batch references to TMC with the motioned Industry Correction Factors to re-evaluate calibrated status and provide revised Severity Adjustments.

Pat Fetterman seconds this motion.

Vote

- 7 For
- None Opposed
- 3 Waives

\*Note: The motion will go into effect (6/5/2012) due to non controversial meeting discussion.

**Action Item:**

The Mack Surveillance Panel requested that Jim Rutherford send a table of the proposed Industry Correction Factors to the distribution list.

**Old Business / New Business**

**Mark Cooper**

Mark Cooper questioned reference oil availability. Jeff Clark had no update for reference oil 821. Greg Shank stated that he would have an update on reference oil 1005 by the end of the week.

Zack Bishop mentioned that ten questionable connecting rods were shipped to the Mack Remanufacturing Center ahead of the visit scheduled for Tuesday June 12<sup>th</sup> 2012.

**Next Meeting**

**Mark Cooper**

The next Mack Surveillance Panel Meeting is to be determined.

Meeting Adjourned at 4:33PM Eastern time.