

Mack Surveillance Panel Meeting
June 2, 2020
10:00 AM – 12:00 PM EST

Attendees:

Afton: Bob Campbell, Christian Porter
Chevron Phillips Chemical: Jon VanScoyoc
ExxonMobil : Riccardo Conti
Haltermann : Prasad Tumati
Infineum : David Brass (secretary), Elisa Santos, Jim Gutzwiller
Intertek: Josh Ward, Juan Vega
Lubrizol: Jim Matasic
Oronite: Mark Cooper (chair), Jo Martinez
PLS Services, Inc.: Chris Taylor
SWRI: Travis Kostan, Issac Leer, Bob Warden
TEI: Derek Grosch, Mark Sutherland
TMC: Sean Moyer

Agenda:

1. Mack T-8 Severity shift analysis
 2. Alternative fuel supply for PC9-HS and PC10
 3. Oxidation inhibitor change for CP Chem PC9-HS and PC10 Fuels
 4. Mack T-11 MRV Result Data Dictionary Field
1. Mack T-8 Severity Shift Analysis (*Presentation Given by Elisa Santos (Infineum): "FINAL SHARED SP Thoughts about the T8 T8E – potential severity shift.pdf"*)

- Currently there are severity adjustments in place for this test
- Variability has increased over time for the reference oil
- Proposed correction factors are based on average for reference oil 1005-5 only

Parameter	Current CF	Target (n=10)	1005-5 Predicted (n=71)**	Proposed CF	Current standard deviation	Updated standard deviation*
VI38	0.4	5.01	4.28	0.73	0.56	0.72
RV48	0.08	1.76	1.75	0.01	0.08	0.17
RV2	0.09	2	1.97	0.03	0.09	0.19
*model: Lab, Stand within Lab, 1005 reblends; 71 tests; same model for all parameters						
** LSMEANS for 1005-5						

- Current Correction Factors were implemented in 2011 (when 1005-3 was in use).
- There was not a strong drive in the group to change the CF at this time based on the minimal change from current Correction Factors.
- Surveillance Panel members asked to have time to go back and review before making any final decision to change the Correction Factors.
- Surveillance Panel Chair to gather comments via email from panel members and decide if this topic should be revisited.

2. Alternative fuel supply for PC9-HS and PC10
 - Haltermann would like to become a supplier of PC9-HS and PC-10 fuel for the Mack/Volvo Engine tests and asked the group to vote on considering an alternative fuel supplier
 - **Motion (Prasad Tumati, Haltermann): Surveillance Panel to Pursue the development of acceptance criteria for an alternate fuel supplier for PC9-HS and PC-10 fuels for tests overseen by Mack/Volvo Surveillance Panel.**
Second (Bob Campbell, Afton)
 - i. Yea: Afton, CP Chem, ExxonMobil, Haltermann, Infineum, Intertek, Lubrizol, Oronite, SWRI, TEI
 - ii. Nay: *None*
 - iii. Abstain: TMC
 - iv. Surveillance Panel Chair to reach out to Volvo (Patrick Holmes) about thoughts on this motion.
 - Prasad Tumati (Haltermann) shared engine testing proposal from prior meeting (*See minutes from 2020-05-20*)
 - Proposal for Mack T-8E, Mack T-11, Mack T-12, Volvo T-13 – Run two tests on candidate fuel comparing against previous fuel.
 - Surveillance Panel decided to use the Mack T-11 as the first test to determine acceptance criteria around, as this test has seen in the past an effect of test fuel.
 - Travis Kostan (SWRI) agreed to create a straw man for the group to look at during the next meeting around the Mack T-11 parameters for acceptance criteria. This will include:
 - i. Operational parameter ranges
 - ii. Performance results ranges
 - iii. Questions around fuel supply if implemented
 - Surveillance Panel will look at operational data and performance data from any testing conducted before making decision to accept the candidate fuel

3. Oxidation inhibitor change for CP Chem PC9-HS and PC10 Fuels
 - Supplier of oxidation inhibitor used in fuels won't make any more of this material
 - CP Chem has a 2-3 year supply left
 - SP member comment: Concerned about what this would do to the Volvo T-13 oxidation test results. SP should consider using the same criteria for bringing in an alternate fuel supplier for this item also.
 - CP Chem has not figured out the alternate oxidation inhibitor they want to use and is currently looking for an alternate that is believed to act the same.
 - CP Chem to provide alternate compound that was suggested by oxidation inhibitor supplier at next meeting.

4. Mack T-11 MRV Result Data Dictionary Field
 - Currently the fields in the data dictionary for MRV are numeric fields. Since there are some lower values now being generated in MRV testing, the data dictionary can't handle the alpha-numeric "<" that is allow by the ASTM method for values < 5000.
 - **Motion (Bob Warden, SWRI): Change the MRV180, TRNMRV, MRVCOR, TMRVFNL, MRVFNL fields from numeric to alpha-numeric**
Second (Sean Moyer, TMC)
 - i. Yes: All Companies

Next Meeting: June 16, 2020, 10AM - 12 PM EST

Topics for next meeting to include:

1. Alternative fuel acceptance criteria
2. Oxidation inhibitor change for CP Chem PC9-HS and PC10
3. Parts Lists showing superseded parts