

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

February 13, 2019

Don Bell

Participants: Please see attached OSCT Surveillance Panel attendance list.

An OSCT Surveillance Panel Webex meeting at PRI in Warrendale, PA was called to order by D. Bell at 11:35 am on 2/13/2019. The agenda was reviewed.

A motion was approved for all Surveillance Panels to replace the retired John Dharte with Troy Muransky of AAM as a new voting OSCT member. With the inclusion of T. Muransky, the OSCT retains 11 voting members, which everyone considered adequate representation.

A motion by D. Bell and 2nd by B. Grinfield was unanimously approved with 9 votes to approve the OSCT Surveillance Panel meeting minutes from 11/7/2018 and 1/29/2019.

The following polyacrylate (PA) inventory and qualification testing status was reviewed as follows:

- PA362: TEI has 0 slabs available for sale.
- PA363: TEI has 231 slabs, but qualification testing had issues.
 - Labs B & C were high outside acceptance limits for hardness in TMC 160-1, but both labs passed in TMC 169
 - Lab G had passing results in both TMC 160-1 & 169
 - Labs C and G noted that they have no approved batches of PA or FL, and thus cannot do any further qualification of PA or FL batches until new lots are approved.
 - Lab B still has inventory of PA, FL, and NI but are awaiting an elastomer inventory list from the other two labs before determining if they are best to keep these lots to determine the root cause of their testing bias or share elastomers with the other labs. The Chairman will ask the other labs to provide a current inventory of their elastomer batches, especially any lots considered expired since we are waiting for the supplier to give a written recommendation to increase shelf life from 2 years to 5 years.
 - TMC 171 has been approved as a replacement reference oil for already approved elastomer batches. The Panel decided to move forward with using TMC 171 for elastomer batch qualification testing. Labs C and G are to conduct ASTM D5662 testing with PA363 in TMC 171 on 12 specimens as per a motion approved on 1/29/2019. TEI sent a sufficient quantity of PA 363 slabs to each

of the labs to quickly initiate qualification testing in TMC 171 and report results to TMC.

- PA364: TEI has ~ 267 slabs, and some slabs were sent to labs for qualification testing, but no data will be available until a new PA lot is approved for referencing.
- PA365: 267 slabs received at TEI on 1/25/2019 and will be sent to labs shortly for qualification testing.
- PA366: TEI was asked to order.

The following fluoroelastomer (FL) inventory and qualification testing status was reviewed as follows:

- FL406: TEI has 116 slabs
 - Lab B is struggling with elongation failures in TMC 169 but passed in 160-1. Lab B has decided to go “off-line” from the ASTM D5662 testing program until the root cause and corrective actions are established to further investigate potential issues with ASTM D5662 testing.
 - Labs C & G both passed in TMC 160-1 and 169
 - A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 9 votes to effectively immediately approve FL406 based upon passing qualification data from Labs C and G.
 - TEI was instructed to release FL406 for sale as an approved lot.
- FL407: TEI has 179 slabs, and some were sent to all 3 labs on 11/18/2018 for qualification testing.
 - Lab C can now conduct qualification testing with FL406 approval.
 - Lab G has passing data in TMC 169 but not yet in 160-1
- FL408: TEI has 167 slabs and some were sent out for qualification to each of the 3 labs on 11/8/2018.
- FL409: TEI was asked to order.

The following nitrile (NI) inventory and qualification testing status was reviewed as follows:

- NI348: TEI has 0 slabs
- NI349: TEI has 247 slabs that were sent out on 5/7/2018 for qualification testing.
 - Lab B has passing data in 169, but hardness failure in TMC 170, and is no longer a part of the D5662 testing program.
 - Lab C has passing data in both TMC 169 & 170
 - Lab G does not have a bath for NI testing
 - A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 9 votes to effectively immediately approve NI 349 based upon passing qualification data from Labs C and G.
- NI350: TEI has 278 slabs that were sent out on 5/28/2018 for qualification testing.
 - Labs C and G have passing data in both TMC 169 & 170

- A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 9 votes to effectively immediately approve NI350 based upon passing qualification data from Labs C and G.

Labs were encouraged to promptly complete qualification testing on new batches of elastomer and kindly email D. Bell upon submission of qualification data to TMC for tracking purposes.

TMC reminded labs to not use elastomer batches >2 years old since that is the established shelf life and results will be invalid. A discussion ensued about increasing the shelf life expiration of elastomer batches in ASTM D5662 Section 7.4 that developed into a motion made by D. Bell and 2nd by B. Grinfield to obtain a written recommendation from the elastomer supplier regarding the elastomer shelf life under the current storage conditions of 3-6°C in refrigerator. The Chairman will work with TEI to obtain a recommendation so that the motion can be voted on.

A reminder was given to the test labs to conduct PA and FL testing annually with industry reference oil TMC 155-1 plus a reference run for each and report results to TMC for graphing for the Panel to vote approval.

Lab B is going off-line for all ASTM D5662 PA, FL, and NI elastomer testing to review their testing bias. An announcement will be made to the OSCT Surveillance Panel before Lab B comes back on-line for D5662 testing.

A motion made by D. Bell and 2nd by D. Smith was unanimously approved with 9 votes to adjourn the OSCT Panel meeting at 12:03 pm on 2/13/2019.

Respectfully Submitted,



Donald Bell

OSCT Chairman

OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

Date: Feb. 13, 2019

Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
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