

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

January 29, 2019

Don Bell

Participants:

D. Beck (TMC) J. Clark (TMC) C. Knight (TEI) V. Donndelinger (Lz)
B. Grinfield (SWRI) W. Venhoff (Lz) M. Lopes (Intertek) D. Bell (Afton)

An OSCT Surveillance Panel Webex meeting was called to order by D. Bell at 2:30 pm on 1/29/2019. The agenda was reviewed.

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

- PA362: TEI has 0 slabs available for sale.
- PA363: TEI has 267 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
 - The discontinued TMC 160-1 oil is almost depleted, but test labs were encouraged by TMC to use it until depleted. 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. A motion made by W. Venhoff and 2nd by B. Grinfield was unanimously approved with 6 votes and no abstentions to conduct ASTM D5662 testing with PA363 in TMC 171 on 12 specimens at each of the 3 participating labs. TEI (C. Knight) will send 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, preferably in time to present data at Feb. 13 OSCT meeting at PRI.
- PA364: TEI has ~ 267 slabs, and some slabs were sent to all 3 labs for qualification testing on 1/24/2019 but no data available at this time.
- PA365: 267 slabs received at TEI on 1/25/2019 and will be sent to all 3 labs shortly for qualification testing.

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

- FL406: TEI has 176 slabs
 - Lab B is struggling with elongation failures in TMC 169 but passed in 160-1. Lab B will discuss internally as to whether it

makes sense to take Lab B “off-line” to further investigate potential issues with ASTM D5662 testing. Lab B will let the Chairman know the outcome of the discussion. Intertek (M. Lopez) has offered to provide guidance to support their efforts. Approval of FL406 is on hold pending the outcome of the meeting.

- Labs C & G both passed in TMC 160-1 and 169
- FL407: TEI has 187 slabs, and some were sent to all 3 labs on 11/18/2018 for qualification testing.
 - Labs B & C have not tested in TMC 160-1 or 169 at this time.
 - Lab C cannot test until they receive an approved batch of FL that Lab B has offered to sent them
 - Lab G has passing data in TMC 169 but not yet in 160-1
- FL408: TEI has 187 slabs and some were sent out for qualification to each of the 3 labs on 11/8/2018. Once the labs get FL to run, it is encouraged to run qualification testing on FL407 & 408 at the same time.

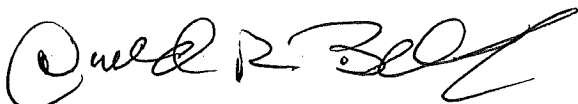
The following nitrile (NI) inventory and qualification testing status was reviewed as follows:

- NI348: TEI has 0 slabs
- NI349: TEI has 278 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, so encouraged to repeat testing
 - Lab C has passing data in both TMC 169 & 170
 - Lab G does not have a bath for NI testing
- NI350: TEI has 278 slabs that were sent out on 5/28/2018 for qualification testing.
 - Lab B has not submitted data to TMC yet, so are encouraged to do so.
 - Lab C has passing data in both TMC 169 & 170

TMC reminded labs to not use elastomer batches >2 years old since that is the established shelf life and results will be invalid.

A motion made by D. Bell and 2nd by W. Venhoff was unanimously approved with 6 votes to adjourn the OSCT Panel meeting at 3:16 pm on 1/29/2019.

Respectfully Submitted,



Donald Bell

OSCT Chairman