

OSCT Surveillance Panel Meeting Minutes

From Teleconference Conducted on 9/26/06

Don Bell (OSCT Chairperson)

9/26/06

Attendees:

Don Lind (TMC)	Jerry Gropp (Lz)
Frank Farber (TMC)	Jennifer K. (Lz)
Don Bell (Afton)	Sal Rea (Infineum)
Larry Casper (SWRI)	

We reviewed the recent reference seal data from the test labs that is available on the TMC website for the new fluoroelastomer batch, FL369, consisting of 200 slabs. Inspection of the FL369 data relative to Shewart severity limits shows that shore hardness, % volume change, and % elongation for FL369 fall within the current fluoroelastomer acceptance bands using TMC reference oils 161-1 and 160-1.

Motion by J. Gropp and seconded by L. Casper: Effective 9/26/06, fluoroelastomer batch FL369 is approved for reference and candidate oil tests since data from both labs are within acceptance bands. Motion approved (5 approved/0 abstentions/0 opposed).

Since test labs were reporting data to different decimal places, we reviewed the data dictionary with the goal of having all labs report OSCT data in the same format.

Motion by D. Lind and seconded by J. Gropp: Change the ASTM D5662 OSCT data dictionary as shown below: Motion approved (5 approved/0 abstentions/0 opposed).

Initial Elastomer Properties from Laboratory:

- Elongation: Average with no decimal places and standard deviation with 1 decimal place
- Hardness: Average with no decimal places and standard deviation with 1 decimal place
- Volume: Average with 3 decimal places and standard deviation with 3 decimal places

Test Results:

- Elongation: Average with 1 decimal place and standard deviation with 1 decimal place
- Hardness: Average with no decimal places and standard deviation with 1 decimal place
- Volume: Average with 1 decimal place and standard deviation with 2 decimal places

The data dictionary was further reviewed and it was confirmed that the test labs use 12 dumb-bells total for reference and candidates, so the elongation reporting table

and format under Initial Elastomer Properties From Laboratory is acceptable for % elongation. However, 12 dumb-bells each are used for hardness and volume measurements for both reference and candidate, so each of these parameters needs an additional row on the reporting form.

Motion by D. Lind and seconded by J. Gropp: Change the ASTM D5662 OSCT data dictionary to add an additional row for hardness and volume to allow reporting of both reference and candidate measured values under Initial Elastomer Properties From Laboratory. In addition, switch the position of the reference and non-reference oil reporting boxes on the report form so that the non-reference oil test results are at the bottom of the page below the reference oil test results. Motion approved (5 approved/0 abstentions/0 opposed).

TMC will revise the ASTM D5662 OSCT data dictionary as approved above and allow 30 days for review by the test labs prior to making the changes effective.