

OSCT Surveillance Panel Meeting Minutes

From Teleconference Conducted on 10/7/08

Don Bell

10/9/08

Attendees:

Mike Kasimirsky (TMC)
Don Bell (Afton)
Bruce McGlone (ArvinMeritor)
Becky Grinfield (SWRI)
Diane Misich (Lz)
Jennifer Keiter (Lz)

Minutes:

The Test Monitoring Center (TMC) is in the process of distributing the newly approved FL-374 to test labs for candidate testing as per orders placed by the test labs. TMC will re-order a new lot of Fluoroelastomer. The most recent lot of Nitrile (300 slabs, NI-333) ordered by Test Engineering Institute (TEI) has been received and will be shipped to Lz and SWRI for reference testing. TEI was instructed to order 300 slabs of Polyacrylate from the elastomer manufacturer, Freudenburg, since their inventory just dropped below 100 slabs.

The current lot of approved Nitrile (NI-332) will expire on October 10th 2008, so the labs would like to extend the shelf life on this lot until the end of 2008. A motion was made by B. Grinfield and 2nd by D. Misich to extend the expiration data on NI-332 to December 31, 2008. The motion passed unanimously (4 approved), so the test labs can continue to use NI-332 for candidate testing until the end of 2008 to eliminate the shortage issues with NI.

In order to investigate the possibility of extending the elastomer shelf life beyond the current 2 years, the attached list of older elastomers was reviewed by the Panel. A chief elastomer chemist, Mike Kitchen, at Freudenburg noted that the shelf life of Polyacrylate, Fluoroelastomer and Nitrile is forever while stored under the typical dark refrigerated conditions. The Panel would still prefer to test lots of elastomer beyond the currently established 2 year shelf life for confirmation that they are suitable for candidate testing with the goal of extending the shelf life to 5 years. Since it takes ~30 slabs/lab to conduct two sets of reference testing, there is only a sufficient quantity of Nitrile (NI 329) to

complete the requested reference testing of 5 year old elastomer. Motion by D. Misich and 2nd by B. Grinfield: Each lab to investigate the possibility of extending the shelf life to 5 years for Nitrile by conducting two sets of reference testing as per the new batch approval on NI-329 (manufactured on 11/21/2003). The motion passed unanimously (4 approved). Lz has 100 slabs of NI-329, so they graciously offered to ship 30 slabs to SWRI for this reference testing. The OSCT chairman will be notified by TMC when the testing is complete and a meeting will be called to review the data to decide if the Nitrile shelf life can be extended to five years.

Bell, Don

From: ZACK BISHOP [zrbi@sbcglobal.net]
Sent: Wednesday, September 03, 2008 12:14 PM
To: Bell, Don
Cc: Zack Bishop; Ron Buck; John Knight; Clayton Knight
Subject: List of Expired OSCT Elastomers at TEI

Don,

I had an action item from the last teleconference meeting to put together a list of expired elastomers currently stored in refrigerators at TEI. Below is that list:

Elastomer Manufacture Date Quantity of Slabs Left

PA 334 12/11/2003 4
PA-327 1/31/2000 9

Insufficient PA to test

NI-326 11/16/2001 90
NI-321 1/31/2000 60
NI-324 2/28/2001 69
NI-330 3/12/2005 60 ⁵⁵
NI-319 8/16/1999 8
NI-329 11/21/2003 16
NI-328 5/12/2003 6
NI-320 11/12/1999 30

L2 has 100 slabs (Test)

FL-347 10/29/1999 27
FL-360 10/31/2003 4
FL-361 11/8/2003 6
FL-362 4/22/2003 4
FL-350 10/5/2000 6
FL-359 3/24/2003 8
FL-357 3/5/2003 8
FL-356 2/26/2003 15
FL-364 2/14/2005 91
FL-365 2/14/2005 16
FL-349 7/4/2000 39
FL-367 3/1/2006 57
FL-363 11/6/2003 51

91 confirmed, only 3yrs old.

51 → only 1 (correction)

Any of the above material can be sent to the labs for use in the study of determining actual shelf life of elastomer slabs. We await your direction.

Best regards,

Zack Bishop