

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

11/12/2008

D. Bell

Meeting Attendance:

D. Bell (Afton)	D. Bartlett (Lz)
J. Gropp (Lz)	C. Schenkenberg (Lz)
D. Lind (TMC)	D. Smith (Intertek-Parc)
M. Haire (Chevron)	S. Higuchi (Afton)
B. Koehler (SWRI)	B. Grinfield (SWRI, phone)
G. Greene (Lz)	S. Eliot (ExMo)
M. Kasimirsky (TMC)	C. Koglin (Afton)
D. Misich (Lz, phone)	B. Sullivan (WTSullivan, Inc.)

A motion made by M. Kasimirsky and 2nd by B. Grinfield passed unanimously (3 approved) to approve previous OSCT Surveillance Panel teleconference meeting minutes from 8/13/08, 9/29/08, and 10/7/08.

There are multiple OSCT baths available at SWRI and Lz with no known “stand”-related problems or test severity issues.

There were two OSCT information letters issued in 2008. OSCT information letter 08-1 was issued on 10/7/08:

During the September 29, 2008 OSCT Surveillance Panel teleconference meeting, the panel approved a motion to clarify Test Method D 5662 regarding allowable oil temperature variation during test operations. Test Method D 471, which is referenced in D 5662, allows a 2°C temperature variation in the oil bath, while D 5662 has always only allowed a 1°C temperature variation during operation. However, this is not explicitly clear from the text in D 5662. Section 8.7.1.2 has been added to D 5662 to make this deviation from the test procedures listed in D 471 clear. This change is effective the date of this information letter.

The second OSCT information letter 08-2 was issued on 10/13/08:

During the October 7, 2008 OSCT Surveillance Panel teleconference meeting, the panel approved a motion to change Section 7.4 of Test Method D 5662 regarding the allowable shelf life of the latest batch of Nitrile elastomer, NI332. The shelf life of Batch NI332 is extended from October 10, 2008 to December 31, 2008, to prevent an industry shortage of testing material. A revised Section 7.4 is attached. This change is effective October 7, 2008.

Upon review of the LRI Procedures Manual, the elongation change % limits were noted to be erroneously reported as per the current limits shown below. Therefore, we are proposing an editorial change to revise these to the correct limits also shown below:

	<u>Current Limits</u>	<u>Proposed Limits</u>
• Polyacrylate elongation %		
▪ Minimum:	no limit	-60
▪ Maximum:	-60	no limit
• Fluoroelastomer elongation %		
	<u>Current Limits</u>	<u>Proposed Limits</u>
▪ Minimum:	no limit	-75
▪ Maximum:	-75	no limit

The appropriate individual from the API and SAE Committees responsible for MT-1 and SAE J2360 were contacted and the proposed editorial corrections above are being considered for approval. Once these documents have been corrected, the PRI manual will also be revised with this editorial clarification.

In order to update ASTM D5662 to SI Units as per the ASTM's directive to convert all methods to SI units, the following motion was made by J. Gropp and 2nd by M. Kasimirsky to make an editorial change to D5662. The motion was unanimously approved (3 approved):

ASTM D5662 Section 7.4.1: Store elastomers in a refrigerator maintained at 3 – 6°C.

A new lot of Fluoroelastomer (FL374, 200 slabs) was approved and released for candidate testing. Another lot of Fluoroelastomer (FL375) is currently being tested for qualification, so once the testing is complete the OSCT Surveillance Panel will review the results and decide if it can be approved.

Nitrile (lot NI-333, 300 slabs) was delayed for 3 weeks, which resulted in the current lot (NI-332) expiring on 10/9/2008. Therefore, NI-332 shelf life was extended until 12/31/2008 to allow for continued candidate testing. A new lot of Nitrile is also being tested for qualification.

A new lot of Polyacrylate was also ordered in early October.

The current elastomer shelf life is 2 years. The chief chemist at the elastomer supplier, Freudenberg, stated that under the current storage conditions of refrigeration in the dark that the elastomers should last forever. Since OSCT Surveillance Panel would like to extend the shelf life to 5 years, NI-329 that is now 5 years old is being evaluated as per the elastomer approval process testing protocol to determine if the Nitrile shelf life can possibly be extended to 5 years.