

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

Teleconference

3/25/2010

D. Bell

Participants:

D. Lind (TMC)	S. Parke (TMC)	J. Keiter (Lz)
J. Mattern (Lz)	J. Gropp (Lz)	T. Marougy (Eaton)
B. McGlone (Arvin Meritor)	M. Haire (Chevron)	D. Bell (Afton)
B. Grinfield (SWRI)	C. Knight (TEI)	

The recent qualification data conducted by Lz and SWRI and compiled by the Test Monitoring Center for the new batch of polyacrylate, PA341, was reviewed by the Panel. The data for PA341 in both 160-1 and 161-1 reference oils is summarized below:

- Shore hardness in 160-1: Only one data point slightly below the acceptance band but in line with previous approved lots.
- % volume change in 160-1: All 4 values well within the acceptance bands.
- % elongation in 160-1: Only one data point far outside of the acceptance bands and considered to be an erroneous outlier since the repeat value was within the acceptance bands.
- Shore hardness in 161-1: All 4 values well within acceptance bands.
- % volume change in 161-1: All 4 values well within the acceptance bands.
- % elongation in 161-1: 2 of the 4 data points higher than the acceptance bands but at a magnitude consistent with previously approved lots.

A motion made by D. Bell and 2nd by J. Gropp: Effective immediately approve PA341 batch for use for testing as per ASTM D5662. The motion was passed unanimously (8 approved, J. D'Harte approved prior to the meeting). Test Engineering Institute (TEI) was instructed to ship out the 100 slabs of PA341 back ordered from SWRI of the total 276 slabs and to fulfill orders as placed by Lz. TEI had already placed an order for 300 slabs of PA342.

The current nitrile inventory is acceptable since we approved NI335 on 2/25/2010 and TEI still has 158 slabs.

TEI currently has 33 slabs of fluoroelastomer, FL378, but when they attempted to place an order for FL379, Freudenberg (Joe Walker) noted that they no longer supply slabs externally. Upon further discussions with Joe Walker to explain the impact this would have on the automotive gear industry, military, and gear specifications like MT-1 and SAE J2360, they are now reconsidering this rather abrupt decision. B. McGlone and I will have follow-up conversations with Joe Walker of Freudenberg to help him understand the importance of continuing to supply these slabs for D5662.

The current anonymous suppliers for reference oils 161-1 and 168 notified TMC that they can no longer supply these reference oils due to some of the components being obsolete. The supplier for 161-1 can provide a similar replacement if needed, but the 168 supplier cannot. Lz and Afton will review their seal data to determine if they have a suitable replacement oils to propose and bring the data to the May 12, 2010 ASTM meeting in Detroit. D. Bell will issue a letter requesting reference oil replacement proposals from the industry and forward it to W. Grubbs to send out to her LRI mailing list. This issue will be discussed further at the May 12 ASTM meeting.

Meeting adjourned at 10:49 am on 03/25/2010.