

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

June 28, 2019

Don Bell

Participants via Webex:

B. Grinfield (SWRI) K. Gutierrez (Intertek) M. Lopez (Intertek) D. Mosher (BASF)
 D. Beck (TMC) J. Clark (TMC) C. Knight (TEI) D. Smith (Intertek)
 A. Goyal (BASF) V. Donndelinger (Lz) P. Kanga (XOM)

An OSCT Surveillance Panel Webex meeting was called to order by D. Bell at 10:33 am on 6/28/2019.

The recent qualification results shown below on Polyacrylate lots PA363 and PA364 from Labs C and G were reviewed. The green cells highlight passing results for both lots of PA in TMC 169 and TMC 171 reference oils for all three measured parameters; % volume increase (PVCA), Shore hardness change (SAHA), and % elongation change (PELA). Lab B is still not participating in the D5662 program, so no results are shown.

		PA363								
		Lab B	Lab C					Lab G		
			Test	PVCA	SAHA	PELA	Test	PVCA	SAHA	PELA
169 Oil	Approval Run	135210-OSCT	135225-OSCT	12.8	-13	21.7	135094-OSCT	12.5	-14	53.8
	Accompanying Reference	135211-OSCT	135224-OSCT	13.5	-15	49.7	125857-OSCT	12.7	-14	86.8
171 Oil	Approval Run		127592-OSCT	-0.2	1	31	143100-OSCT	0.2	1	-5.1
	Accompanying Reference		138338-OSCT	14.1	-16	51.6	143102-OSCT	-0.7	0	41.7

		PA364								
		Lab B	Lab C	PVCA	SAHA	PELA	Lab G	PVCA	SAHA	PELA
169 Oil	Approval Run		138339-OSCT	13.8	-16	45.3	135101-OSCT	14.4	-16	64.2
	Accompanying Reference		138338-OSCT	14.1	-16	51.6	135102-OSCT	13.9	-15	41.3
171 Oil	Approval Run		135234-OSCT	0	0	24.4	143110-OSCT	0.1	1	31.6
	Accompanying Reference		138338-OSCT	14.1	-16	51.6	135109-OSCT	12.5	-12	23.4

A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 7 votes to effectively immediately approve PA363 and PA364 for use in ASTM D5662 candidate testing.

TEI was instructed to release PA363 and PA364 for sale to test labs as orders are received. TEI will also order the next lot of PA, PA367 as PA365 and PA366 are already out for approval at both test labs.

Another motion made by D. Beck and 2nd by B. Grinfield was also unanimously approved with 7 votes that requires PA363 and PA364 D5662 candidates to be run on TMC 169 along with TMC 171 side-by-side to collect more data on TMC 171 as the non-jeopardy oil.

The Panel reviewed the current TMC 171 data compiled by TMC, which is now comprised of n=9 for FL and n=11 for PA instead of only n=3 from which the current TMC 171 limits were established. Since this is still a relatively small data set and the new limits with additional data did not make a significant change to the mean and standard deviation, it was decided that the Panel will review the TMC 171 data at the 8/7/2019 OSCT Surveillance Panel meeting to decide if sufficient data is available to revise TMC 171 limits.

Test labs should now have a sufficient quantity of PA and FL for D5662 candidate testing.

TEI has >200 unapproved slabs of PA365 and PA366 and have sent slabs to both labs for qualification testing with TMC 169 and TMC 171 reference oils for submission of data to TMC. Once TMC notifies D. Bell that data is ready for review, D. Bell will call another OSCT Panel meeting to review the data for approval. TEI has also placed an order for PA367.

A motion made by D. Bell and 2nd by B. Grinfield was unanimously approved with 7 votes to adjourn the OSCT Panel meeting at 10:50 am on 6/13/2019.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Donald Bell". The signature is written in black ink and is positioned above the printed name.

Donald Bell/OSCT Chairman