

# Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

February 10, 2016

Don Bell

Participants: Please refer to attendee list in the Appendix.

An OSCT Surveillance Panel meeting was called to order at 1:07 pm on 2/10/2016 at Performance Review Institute in Warrendale, PA with several participants on the phone.

The list of 12 voting members was reviewed and all were in agreement that W. Venhoff will replace the retired J. Gropp as a voting member for Lz.

A motion made by J. Dharte and 2<sup>nd</sup> by D. Smith to approve the prior OSCT Surveillance Panel meeting minutes from 11/4/2015 was approved unanimously with 8 votes.

There are multiple baths available at Lubrizol, Intertek (no NI), and SWRI for conducting ASTM D5662 testing with no bath related issues or severity concerns.

We obtained agreement from all OSCT testing labs that the process to qualify new elastomer batches is to run as if they are candidates, except using 6 specimens instead of 12, being run alongside a valid reference or previously approved batch in same bath.

The following seal inventory at Test Engineering Institute (TEI) as of 2/4/2016 was reviewed and found that seal inventory for fluoroelastomer and nitrile is adequate to keep up with demand, but the polyacrylate inventory is very low due to rejected lots.

- ▲ PA353 Rejected since failed thickness
- ▲ PA354 TEI has 257 slabs
  - ▲ 3 of 4 runs were high out of spec in 160-1 for hardness and 2 runs also low on elongation
  - ▲ Lab g repeat results in 160-1 were invalid because reference was high on hardness
- ▲ PA355 TEI has 256 slabs
  - ▲ For lab b, one TMC 160-1 high out of spec for hardness and low for elongation but re-run within limits
  - ▲ For lab g, one TMC 169 high out of spec for hardness. Repeat run was invalid because ref. was high on hardness. Run is being repeated.
- ▲ PA356 TEI to order 300 more slabs
- ▲ FL398 TEI has 182 slabs, awaiting qualification approval since 7/2015
  - ▲ SWRI & Lz submitted data to TMC, so await Intertek that is running
- ▲ FL399 TEI ordered on 9/16/2015 with a 90 day turn-around
  - ▲ Slabs undergoing qualification testing
- ▲ FL400 TEI recently ordered 200 slabs on 2/5/2016
- ▲ NI346 TEI has 98 approved slabs
- ▲ NI347 TEI received 300 slabs and sent them to test labs for qualification testing
- ▲ NI348 TEI ordered 200 slabs on 2/5/2016

A motion made by D. Bell and 2<sup>nd</sup> by W. Venhoff to reject PA354 due to repeat runs showing it is out of specification was unanimously approved with 8 votes. TEI was instructed to not sell PA354 for D5662 testing. D. Bell to contact TEI and FNOK to obtain data from the last ~6 incoming batches of polyacrylate to look for trends and try to understand the last two failing batches of PA.

Reference oil, TMC 168, for use as a nitrile reference oil is nearing depletion with <4.6 gallons remaining and is not re-blendable.

A motion for adjournment was made by D. Bell and 2<sup>nd</sup> by D. Smith and approved unanimously with 8 votes at 1:43 pm on 2/10/2016.

Respectfully Submitted,

Don Bell

A handwritten signature in cursive script that reads "Don Bell". The signature is written in dark ink and is positioned below the printed name "Don Bell".




# OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

Date: Feb 10 2016

Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
	NV	Nancy Aguirre	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: 210-647-9428 FAX: e-Mail: Nancy.AGUIRRE@intertek.com
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	NV	Tony Barrera	Intertek Automotive Research 5404 Bandera Road San Antonio, TX 78238	Phone: FAX: e-Mail: Tony.barrera@intertek.com
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