

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

September 18, 2015

Don Bell

Participants:

Z. Bishop (TEI) J. Gropp (Lz) D. Mosher (Eaton) C. Nystrom (SWRI)
S. Parke (TMC) R. Banas (XOM) P. Kanga (XOM)

An OSCT Surveillance Panel meeting was called to order at 2:30 pm on 9/18/2015 via teleconference.

A new lot of polyacrylate, PA353, consisting of 300 slabs was delivered to TEI by FNOK and found to not meet the 0.07 to 0.08 inch (1.78-2.03 mm) thickness specification when measured numerous times with a calibrated caliper. Most of the measurements were 0.067-0.069 inches thickness, thus just below the specification.

A motion made by S. Parke and 2nd by J. Gropp to reject PA353 due to it not meeting the thickness specification was unanimously approved with 7 votes.

TEI will ship PA353 back to FNOK since it was rejected due to failing the thickness measurement, and it was decided not to conduct further testing on this lot. TEI already placed an order with FNOK for a new lot of polyacrylate (PA) and have requested it to be expedited, but that still may take ~1.5 months or so. TEI currently has ~164 slabs of approved PA for sale for ASTM D5662 testing, so a motion was made below to control the sale of these slabs.

A motion was made by J. Gropp and 2nd by C. Nystrom stating that all three participating labs have two weeks from 9/18/2015 to order up to 50 slabs of approved polyacrylate from TEI, and at the end of the two weeks any remaining slabs of PA may be sold to any of the three labs. The motion was approved with 5 votes and 2 abstentions by Z. Bishop and D. Mosher.

Upon review of ASTM D5662, it notes that the slab thickness should be 1.9-2.1 mm, but we are aware that the FNOK and TEI specifications are well below this value and thus no slabs have been tested via D5662 with thickness values that high.

A motion was made by J. Gropp and 2nd by D. Bell to correct ASTM D5662 section 8.2.3 to change the thickness requirement of the specimen from 1.9-2.1 mm (2.0 +/- 0.1 mm) to 1.78-2.02 mm (1.90 +/- 0.12 mm) to reflect the slab thickness that has actually always been used for testing. The motion passed unanimously with 7 votes.

TMC will issue an information letter to change the D5662 procedure accordingly, which initiates the process to have D5662 revised within ASTM. Z. Bishop confirmed with FNOK that they accept the 1.90 +/- 0.12 mm thickness specification.

It was noted that polyacrylate, fluoroelastomer and nitrile all have the same thickness requirements.

A motion made by D. Bell and 2nd by D. Mosher to adjourn the meeting at 3:20 pm was unanimously approved.

Respectfully Submitted,

Don Bell