

OSCT Surveillance Panel Meeting Minutes

11/16/2007

D. Bell

Meeting Attendance:

B. Grinfield (SWRI)	D. Lind (TMC)
D. Bell (Afton)	S. Rea (Infineum)
J. Gropp (Lz)	B. Grinfield (SWRI)
J. Keiter (Lz)	B. McGlone (Arvin Meritor)
M. Haire (Chevron)	

Bath Temperature Reporting

A recent OSCT information letter was issued to require that the test temperature be measured by RTD or thermocouple in a dummy tube filled with bath oil from 1 minute samples is to be maintained as follows for the test to be operationally valid:

- Polyacrylate and Fluoroelastomer 150 +/- 1°C
- Nitrile 100 +/- 1°C

The Panel has challenged the stringent requirement that a reading outside the tolerance of +/-1°C invalidates the test since over the 240 hours, 14,400 temperature measurements are taken, so one data point is only 0.007% of the time.

The attached Tables I and II containing % deviations calculated by D. Lind of TMC for various temperature and time conditions were reviewed by the Panel to help establish new tolerance limits for the temperature measurements.

A motion made by B. Grinfield and 2nd by S. Rea passed unanimously (6 approved/0 disapproved/0 abstentions) to establish an allowable tolerance limit of 1% deviation for OSCT test temperature that will be effective on the initial OSCT started following the TMC issuance of a new information letter regarding this subject.

Table I

OSCT PERCENT DEVIATION CALCULATIONS

Degrees Out of Spec.	Time Out of Spec.	% Deviations
5°	5 Min	0.17%
10°	5 Min	0.34%
20°	5 Min	0.69%
30°	5 Min	1.04%
5°	10 Min	0.34%
10°	10 Min	0.69%
20°	10 Min	1.38%
30°	10 Min	2.08%
5°	15 Min	0.52%
10°	15 Min	1.04%
20°	15 Min	2.08%
30°	15 Min	3.12%
5°	20 Min	0.69%
10°	20 Min	1.38%
20°	20 Min	2.77%
30°	20 Min	4.16%
5°	30 Min	1.04%
10°	30 Min	2.08%
20°	30 Min	4.16%
30°	30 Min	6.25%
5°	60 Min	2.08%
10°	60 Min	4.16%
20°	60 Min	8.33%
30°	60 Min	12.5%

Table II

OSCT PERCENT DEVIATION CALCULATIONS

Degrees Out of Spec.	Time Out of Spec.	% Deviations
1°	5 Min	0.03%
2°	5 Min	0.07%
3°	5 Min	0.10%
4°	5 Min	0.14%
1°	10 Min	0.07%
2°	10 Min	0.14%
3°	10 Min	0.21%
4°	10 Min	0.28%
1°	15 Min	0.10%
2°	15 Min	0.21%
3°	15 Min	0.31%
4°	15 Min	0.42%
1°	20 Min	0.14%
2°	20 Min	0.28%
3°	20 Min	0.42%
4°	20 Min	0.56%
1°	30 Min	0.21%
2°	30 Min	0.42%
3°	30 Min	0.63%
4°	30 Min	0.83%
1°	60 Min	0.42%
2°	60 Min	0.83%
3°	60 Min	1.25%
4°	60 Min	1.67%