OSCT Surveillance Panel Meeting Minutes

11/16/2007

D. Bell

Meeting Attendance:

B. Grinfield (SWRI)
D. Bell (Afton)
J. Gropp (Lz)
D. Lind (TMC)
S. Rea (Infineum)
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

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 1.38% 20° 30 Min 4.16% 5° 30 Min 1.04% 5° 30 Min 2.08% 20° 30 Min 4.16% 30° 30 Min 4.16% 5° 60 Min 4.16% 30° 60 Min	Degrees Out of Spec.	Time Out of Spec.	% Deviations
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20° 60 Min 8.33%		60 Min	2.08%
	10°	60 Min	4.16%
30° 60 Min 12.5%	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%
	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%