Test Monitoring Center
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MEMORANDUM: 07-043

DATE: July 13, 2007

TO: Engine Oil Elastomer Compatibility (EOEC) Surveillance Panel

FROM: Scott Parke

SUBJECT: July 2007 Update to Adjusted Specification Limit Standard Deviations

The within-lab and overall standard deviations used to calculate the Adjusted Specification Limits have been updated (see following page). This is the scheduled semi-annual update to these figures. The figures are effective for tests completing on or after July 16, 2007. These figures will be maintained on the TMC website at:

ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoec/Adjusted_Specification_Limit_Standard_Deviations.txt

In the same teleconference, the TMC was asked to provide test-by-test figures as a monitoring tool. These figures are available, by-elastomer, on the TMC website at:

Fluoroelastomer	ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoecf/data/statistics.txt
Nitrile	ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoecn/data/statistics.txt
Polyacrylate	ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoecp/data/statistics.txt
Silicone	ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoecs/data/statistics.txt
Vamac	ftp://ftp.astmtmc.cmu.edu/refdata/bench/eoecv/data/statistics.txt

Please be careful not to confuse the test-by-test figures with the quarterly figures. Do *not* use the test-by-test figures to compute Adjusted Specification Limits.

SDP/sdp /mem07-043.sdp.doc
c: ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem07-043.pdf

Distribution: email

Adjusted Specification Limit Standard Deviations
Effective: July 16, 2007

Elastomer	Parameter	Within Lab STD	Overall STD	Total Individual Determinations
FLUOROELASTOMER	Volume	0.16	0.19	1521
FLUOROELASTOMER	Hardness	1.47	2.08	1467
FLUOROELASTOMER	Tension	4.78	5.23	1528
FLUOROELASTOMER	Elongation	7.91	10.06	1507
NITRILE	Volume	0.7	0.73	1532
NITRILE	Hardness	1.51	1.73	1480
NITRILE	Tension	8.55	8.81	1520
NITRILE	Elongation	6.94	7.04	1526
POLYACRYLATE	Volume	0.72	0.74	1540
POLYACRYLATE	Hardness	1.72	1.74	1490
POLYACRYLATE	Tension	9.75	9.79	1514
POLYACRYLATE	Elongation	11.23	11.35	1521
SILICONE	Volume	1.88	2.1	1535
SILICONE	Hardness	1.26	2.29	1463
SILICONE	Tension	6.93	6.97	1518
SILICONE	Elongation	10.02	10.19	1534
VAMAC	Volume	1.94	2.27	738
VAMAC	Hardness	1.18	1.18	718
VAMAC	Tension	9.01	9.28	724
VAMAC	Elongation	11.38	11.81	733