Test Monitoring Center
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MEMORANDUM: 06-050

DATE: July 5, 2006

TO: Engine Oil Elastomer Compatibility (EOEC) Surveillance Panel

FROM: Scott Parke

SUBJECT: July 2006 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 quarterly update to these figures as agreed in the January 6, 2005 teleconference. The figures are effective for tests completing on or after July 6, 2006. 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 /mem06-050.sdp.doc
cc: ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem06-050.pdf

Distribution: email

Adjusted Specification Limit Standard Deviations
Effective: July 6, 2006

Elastomer	Parameter	Within Lab STD	Overall STD	Total Individual Determinations
FLUOROELASTOMER	Volume	0.16	0.19	1137
FLUOROELASTOMER	Hardness	1.6	2.16	1084
FLUOROELASTOMER	Tension	4.97	5.37	1145
FLUOROELASTOMER	Elongation	8.31	10.4	1126
NITRILE	Volume	0.74	0.76	1168
NITRILE	Hardness	1.41	1.64	1116
NITRILE	Tension	7.93	8.11	1157
NITRILE	Elongation	7.17	7.31	1159
POLYACRYLATE	Volume	0.75	0.78	1180
POLYACRYLATE	Hardness	1.74	1.79	1132
POLYACRYLATE	Tension	9.63	9.66	1164
POLYACRYLATE	Elongation	11.03	11.31	1166
SILICONE	Volume	2.03	2.23	1169
SILICONE	Hardness	1.36	2.37	1098
SILICONE	Tension	6.52	6.56	1156
SILICONE	Elongation	9.72	9.9	1169
VAMAC	Volume	1.99	2.24	408
VAMAC	Hardness	1.13	1.15	390
VAMAC	Tension	9.59	10.09	399
VAMAC	Elongation	11.84	11.92	405