Test Monitoring Center
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MEMORANDUM: 06-012

DATE: March 31, 2006

TO: Engine Oil Elastomer Compatibility (EOEC) Surveillance Panel

FROM: Scott Parke

SUBJECT: March 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 April 1, 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 /mem06-012.sdp.doc
cc: ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem06-012.pdf

Distribution: email

Adjusted Specification Limit Standard Deviations
Effective: April 1, 2006

Elastomer	Parameter	Within Lab STD	Overall STD	Total Individual Determinations
FLUOROELASTOMER	Volume	0.17	0.19	953
FLUOROELASTOMER	Hardness	1.68	2.25	898
FLUOROELASTOMER	Tension	4.92	5.32	955
FLUOROELASTOMER	Elongation	8.32	10.65	939
NITRILE	Volume	0.80	0.81	985
NITRILE	Hardness	1.36	1.67	941
NITRILE	Tension	7.58	7.89	972
NITRILE	Elongation	7.24	7.40	975
POLYACRYLATE	Volume	0.77	0.81	976
POLYACRYLATE	Hardness	1.80	1.85	939
POLYACRYLATE	Tension	9.70	9.74	966
POLYACRYLATE	Elongation	11.30	11.53	965
SILICONE	Volume	2.16	2.33	961
SILICONE	Hardness	1.43	2.46	900
SILICONE	Tension	6.47	6.47	952
SILICONE	Elongation	9.69	9.80	964
VAMAC	Volume	2.04	2.22	246
VAMAC	Hardness	1.20	1.21	241
VAMAC	Tension	9.33	10.82	244
VAMAC	Elongation	10.81	11.07	244