



Test Monitoring Center

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MEMORANDUM: 06-002

DATE: January 3, 2006

TO: Engine Oil Elastomer Compatibility (EOEC) Surveillance Panel

FROM: Scott Parke

SUBJECT: January 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 January 4, 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 /mem06-002.sdp.doc

cc: <ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem06-002.pdf>

Distribution: email

**Adjusted Specification Limit Standard Deviations
Effective: January 4, 2006**

Elastomer	Parameter	Within Lab STD	Overall STD	Total Individual Determinations
FLUROELASTOMER	Volume	0.17	0.19	888
FLUROELASTOMER	Hardness	1.71	2.30	838
FLUROELASTOMER	Tension	5.06	5.44	891
FLUROELASTOMER	Elongation	8.44	10.59	878
NITRILE	Volume	0.82	0.83	927
NITRILE	Hardness	1.35	1.67	882
NITRILE	Tension	7.62	7.91	915
NITRILE	Elongation	7.31	7.51	917
POLYACRYLATE	Volume	0.79	0.82	910
POLYACRYLATE	Hardness	1.82	1.88	879
POLYACRYLATE	Tension	9.87	9.89	900
POLYACRYLATE	Elongation	11.30	11.46	899
SILICONE	Volume	2.18	2.31	901
SILICONE	Hardness	1.45	2.48	849
SILICONE	Tension	6.57	6.59	895
SILICONE	Elongation	9.74	9.81	904
VAMAC	Volume	2.02	2.18	194
VAMAC	Hardness	1.11	1.12	190
VAMAC	Tension	9.70	11.22	190
VAMAC	Elongation	11.23	11.64	191