



Test Monitoring Center

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MEMORANDUM: 05-054
DATE: June 30, 2005
TO: Engine Oil Elastomer Compatibility (EOEC) Surveillance Panel
FROM: Scott Parke
SUBJECT: July 1, 2005 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 second quarterly update to these figures as agreed in the January 6, 2005 teleconference. The figures are effective for tests completing on or after July 1, 2005. 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 /mem05-054.sdp.doc

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem05-054.doc>

Distribution: email

Adjusted Specification Limit Standard Deviations Effective: July 1, 2005

Elastomer	Parameter	Within Lab STD	Overall STD	Total Individual Determinations
FLUROELASTOMER	Volume	0.18	0.2	779
FLUROELASTOMER	Hardness	1.78	2.39	739
FLUROELASTOMER	Tension	5.15	5.51	780
FLUROELASTOMER	Elongation	8.57	10.46	768
NITRILE	Volume	0.87	0.89	808
NITRILE	Hardness	1.4	1.76	770
NITRILE	Tension	7.57	7.85	797
NITRILE	Elongation	7.58	7.64	798
POLYACRYLATE	Volume	0.8	0.82	798
POLYACRYLATE	Hardness	1.86	1.91	770
POLYACRYLATE	Tension	9.99	10.02	793
POLYACRYLATE	Elongation	11.61	11.71	791
SILICONE	Volume	2.24	2.29	785
SILICONE	Hardness	1.52	2.55	738
SILICONE	Tension	6.12	6.11	775
SILICONE	Elongation	9.83	9.83	785
VAMAC	Volume	1.76	2.24	116
VAMAC	Hardness	1.01	1.01	115
VAMAC	Tension	10.2	13.19	113
VAMAC	Elongation	12.22	13.15	113