



Test Monitoring Center

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MEMORANDUM: 08-005

DATE: February 27, 2008

TO: Engine Oil Elastomer Compatibility (EOEC) Surveillance Panel

FROM: Scott Parke

SUBJECT: 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 March 1, 2008. These figures are posted on the TMC website at:

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

The TMC is also 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 semi-annual figures. Do *not* use the test-by-test figures to compute Adjusted Specification Limits.

SDP/sdp /mem08-005.sdp.doc

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem08-005.pdf>

Distribution: email

Adjusted Specification Limit Standard Deviations Effective: March 1, 2008

Elastomer	Parameter	Within Lab STD	Overall STD	Total Individual Determinations
FLUOROELASTOMER	Volume	0.16	0.18	1719
FLUOROELASTOMER	Hardness	1.45	2.04	1665
FLUOROELASTOMER	Tension	4.77	5.31	1723
FLUOROELASTOMER	Elongation	7.75	10.22	1705
NITRILE	Volume	0.76	0.79	1748
NITRILE	Hardness	1.47	1.72	1696
NITRILE	Tension	8.96	9.3	1735
NITRILE	Elongation	6.99	7.07	1742
POLYACRYLATE	Volume	0.76	0.79	1768
POLYACRYLATE	Hardness	1.67	1.68	1718
POLYACRYLATE	Tension	10.09	10.12	1733
POLYACRYLATE	Elongation	11.2	11.28	1742
SILICONE	Volume	1.84	2.06	1733
SILICONE	Hardness	1.25	2.23	1661
SILICONE	Tension	6.99	7.04	1711
SILICONE	Elongation	9.87	10.02	1732
VAMAC	Volume	2.04	2.29	918
VAMAC	Hardness	1.17	1.17	898
VAMAC	Tension	8.74	9.1	900
VAMAC	Elongation	11.05	11.63	911