



# Test Monitoring Center

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MEMORANDUM: 14-001

DATE: March 14, 2014

TO: EOEC Surveillance Panel

FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*

SUBJECT: EOEC Reference Oil 1006-1 New Silicone Elastomer Test Targets

As part of the February 27, 2014 teleconference, the EOEC Surveillance Panel approved the introduction of the light duty silicone elastomer material, VMQ-1, into the EOEC test, to replace the current silicone material, which is no longer available.

The laboratories in the industry have been submitting elongation data, from past LDEOC tests run on this VMQ-1 material, so that test targets for this new material could be generated. From those 145 data points, a set of reference oil targets were calculated. The Surveillance Panel approved those targets for this new elastomer material, which are shown in Table 1, below:

Table 1: EOEC Reference Oil 1006-1 New Silicone Elastomer Test Targets			
Elastomer	Parameter	Mean	Standard Deviation
Silicone (VMQ-1) (N=145)	Volume Change, %	32.03	2.95
	Hardness Change, pts.	-21.50	2.04
	Tensile Strength Change, %	-32.86	3.70
	Elongation Change, %	-23.82	6.25

These targets are applicable only to tests run on this new silicone elastomer material. Tests run on supplies of the existing elastomer material will continue to be evaluated against the old test targets for silicone elastomer.

These targets are effective on March 3, 2014.

c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/eoec/memos/mem14-001.mtk.pdf>

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