



Test Monitoring Center

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EOEC Information Letter No. 25-1
Sequence No. 15
April 25, 2025

ASTM consensus has not yet been obtained on this information letter. An appropriate ASTM ballot will be issued in order to achieve such consensus.

TO: EOEC Mailing List

SUBJECT: Light Duty Polyacrylate Elastomer Correction Factor for Volume Change

The Engine Oil Elastomer Compatibility Surveillance Panel approved a motion to implement an Industry Correction Factor to the Volume Change results obtained in tests run on the Light Duty Polyacrylate elastomer material ACM1 Batch 27. This is a continuing correction factor due to the change in the elastomer material formulation listed in SAE Standard J2643, *Standard Reference Elastomers (SRE) for Characterizing the Effect of Liquids on Vulcanized Rubbers*. This correction factor applies to all results generated on elastomer batch ACM1-27. For all tests run on this material, the calculated Volume Change is to have the Industry Correction Factor of -3.30 added to the calculated results and this final value reported as the results of the test.

Updated sections of Test Method D 7216 are attached.

Mike Birke
EOEC Surveillance Panel Chairman
Southwest Research Institute

Jeffrey A. Clark
Executive Director
ASTM Test Monitoring Center

Attachments

c: https://www.astmtmc.org/ftp/docs/bench/eoec/procedure_and_ils/il25-1_EOEC.pdf

Distribution: Email

{Revises Test Method D 7216-23}

Table A2.2 – Industry Correction Factor – Light Duty Polyacrylate Elastomer (ACM1)	
Elastomer Batch	Volume Change Industry Correction Factor
Batches prior to 19	0.00
ACM1-19	-2.65
ACM1-20	-3.14
ACM1-21	-2.53
ACM1-22	-1.65
ACM1-23	-2.72
ACM1-24	-2.43
ACM1-25	-2.55
ACM1-26	-3.40
ACM1-27	-3.30