A Program of ASTM International

Test Monitoring Center

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MEMORANDUM: 12-003

DATE: March 7, 2012

TO: OSCT Surveillance Panel

FROM: Scott Parke

SUBJECT: Oil 169 Targets

During a February 8, 2012 meeting, the OSCT Surveillance Panel finalized the test targets for use with oil 169. Approved targets for all elastomer types are shown below. Also shown is a listing of test results used to compute the mean used for the test targets. The standard deviation of these results was not approved as the test target standard deviation as the panel felt that the resulting pass limits would be too restrictive. Instead, the targets will use the standard deviation value currently in use for oil 161-1 (except in the one case, polyacrylate % elongation change, where the oil 169 std is higher) . These targets will be in effect for all tests on oil 169 ending on or after March 7, 2012.

SDP/sdp/mem12-003.sdp.doc
cc: Frank Farber
Jeff Clark
ftp://ftp.astmtmc.cmu.edu/docs/gear/osct/memos/mem12-003.pdf

Distribution: email

Oil 169 Statistics and Approved Test Targets

		Oil 169 Statistics			Oil 161-1 Target	Approved 169 Test Targets	
Elastomer Type	**Parameter**	**n**	**Mean**	**Std**	**s**	**$\bar{X}$**	**s**
FL	PELA	18	-39.5	6.85	6.99	-39.5	6.99
FL	PVCA	18	4.4	0.20	0.71	4.4	0.71
FL	SAHA	18	0.1	0.83	1.30	0.1	1.30
NI	PELA	22	-16.2	5.37	10.69	-16.2	10.69
NI	PVCA	22	11.8	0.21	1.71	11.8	1.71
NI	SAHA	22	-8.6	1.43	2.18	-8.6	2.18
PA	PELA	19	49.2	21.82	17.85	49.2	21.82
PA	PVCA	19	13.1	0.77	1.43	13.1	1.43
PA	SAHA	19	-16.0	1.73	2.83	-16.0	2.83

Reported Test Results

Elastomer	Batch	Date	CMIR	Lab	PELA	PVCA	SAHA
FL	FL379	20101209	77710	B	-36	4.2	1
FL	FL380	20110114	79923	B	-38.1	4.1	0
FL	FL380	20110203	79977	C	-51	4.3	1
FL	FL380	20110228	79929	B	-33.1	4.5	0
FL	FL380	20110321	79978	C	-46.9	4.8	0
FL	FL381	20110421	79932	B	-41.1	4.1	0
FL	FL381	20110502	79979	C	-43.4	4.5	0
FL	FL381	20110530	79982	C	-41.7	4.6	0
FL	FL381	20110613	79935	B	-24.2	4.3	-2
FL	FL381	20110613	79987	C	-40	4.6	1
FL	FL381	20110627	79988	C	-37.2	4.6	0
FL	FL381	20110715	79938	B	-36.7	4.4	-1
FL	FL382	20110724	79991	C	-47.5	4.5	1
FL	FL382	20110808	79941	B	-34.8	4.2	1
FL	FL382	20110818	79995	C	-46.1	4.6	1
FL	FL382	20110912	79998	C	-47.8	4.5	0
FL	FL382	20111003	79945	B	-33.1	4.2	0
FL	FL382	20111013	79948	B	-32.7	4.3	-1
NI	NI336	20101203	77709	B	-18.9	11.5	-9
NI	NI336	20101210	77712	B	-19.5	11.5	-7
NI	NI336	20110120	79925	B	-19.6	11.6	-8
NI	NI336	20110208	79928	B	-20.7	11.6	-8
NI	NI336	20110224	79931	B	-20.1	11.3	-8
NI	NI336	20110411	79975	C	-21.8	12	-9
NI	NI336	20110422	79981	C	-12.1	11.7	-11
NI	NI336	20110519	79984	C	-22.6	12	-9
NI	NI336	20110529	79985	C	-12.5	11.8	-8
NI	NI337	20110616	79937	B	-3.3	11.8	-10
NI	NI336	20110626	79990	C	-22	11.7	-8
NI	NI337	20110710	79993	C	-10.1	11.8	-7
NI	NI337	20110721	79940	B	-13.2	11.7	-9
NI	NI337	20110729	79994	C	-20.9	11.9	-5
NI	NI337	20110812	79997	C	-11.5	11.9	-8
NI	NI337	20110815	79943	B	-21.1	11.6	-9
NI	NI337	20110902	80000	C	-16.8	12	-12
NI	NI337	20110919	79944	B	-12.4	11.6	-9
NI	NI337	20110922	80001	C	-17.9	11.9	-8
NI	NI337	20111007	79947	B	-19.6	11.8	-9
NI	NI337	20111020	79950	B	-6.9	11.8	-9
NI	NI337	20111030	80006	C	-13.4	12.2	-10
PA	PA342	20101122	77708	B	59.6	13	-14
PA	PA342	20101210	77711	B	48.3	12.4	-14
PA	PA342	20110117	79924	B	28.8	13.1	-16
PA	PA342	20110207	79927	B	91.6	13.1	-15
PA	PA342	20110225	79930	B	40.3	12.4	-16
PA	PA343	20110425	79933	B	103.9	13	-15
PA	PA343	20110502	79980	C	65.7	13.7	-16
PA	PA343	20110520	79983	C	45.7	14.4	-16
PA	PA343	20110610	79986	C	23.3	13.5	-17
PA	PA343	20110617	79936	B	57.7	11.9	-15
PA	PA343	20110627	79989	C	41	14	-18

Reported Test Results (cont.)

Elastomer	Batch	Date	CMIR	Lab	PELA	PVCA	SAHA
PA	PA343	20110713	79992	C	45.9	14.2	-17
PA	PA343	20110718	79939	B	35.3	12.5	-17
PA	PA343	20110805	79996	C	16.2	13.3	-18
PA	PA344	20110812	79942	B	28.3	12.4	-13
PA	PA343	20110905	79999	C	58.9	13.8	-19
PA	PA344	20110929	79946	B	58.9	12.5	-14
PA	PA344	20111017	79949	B	49.3	12	-15
PA	PA344	20111103	80004	C	36.4	14.1	-19