



Test Monitoring Center

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MEMORANDUM: 21-032

DATE: October 19, 2021

TO: D7216 Engine Oil Elastomer Compatibility Surveillance Panel

FROM: Tom Schofield

SUBJECT: D7216 Information Letter 21-1 Rescinded
EOECN Volume Change Targets Updated Effective October 14, 2021

On September 23, 2021, the D7216 Engine Oil Elastomer Compatibility Surveillance Panel voted to **rescind** previously issued Information Letter 21-1 (Sequence No. 13, July 2, 2021) concerning adding a correction factor to heavy duty elastomer NBR (EOECN).

At the same surveillance panel session, the panel voted to adjust the target mean for EOEC Nitrile volume change from -0.08 to 1.74 (essentially removing the relative bias adjustment applied initially), and retain the current target standard deviation of 0.84. **This change becomes effective on October 14, 2021.** This change will also necessitate that the TMC assign reference oil SL107 exclusively to EOECN tests to accommodate this new target mean. For a convenient summary, the new D7216 test targets, on the effective date, will be:

D7216 Reference Oil SL107 Targets Effective October 14, 2021 (All mean and standard deviation units in % change)

Parameter		EOECF	EOECN	EOECP	EOECS	EOECV
VOLC	n	17	18	16	15	17
	Mean	0.44	1.74	0.20	32.17	18.54
	s.d.	0.15	0.84	0.76	2.95	1.49
HARD	n	17	18	16	15	17
	Mean	8.04	1.83	-0.01	-21.68	-7.48
	s.d.	2.20	1.77	1.80	2.04	0.95
TENS	n	17	18	16	15	17
	Mean	-71.32	2.80	0.36	-33.75	-15.33
	s.d.	5.35	7.33	8.04	3.70	4.84
ELON	n	17	18	16	15	17
	Mean	-58.48	-33.69	-22.58	-24.81	-34.96
	s.d.	8.99	6.72	8.94	6.25	7.40
Parameter		LDEOCA	LDEOCF	LDEOCN	LDEOCP	LDEOCS ³
VOLC	n	16	19	18	18	15
	Mean	24.20	0.68	0.32	2.05	32.17
	s.d.	0.77	0.15	0.60	0.66	2.95
HARD	n	16	19	18	18	15
	Mean	-12.73	4.10	-1.18	-0.21	-21.68
	s.d.	0.91	1.01	0.87	1.54	2.04
TENS	n	16	19	18	18	15
	Mean	-16.84	-57.40	5.97	2.58	-33.75
	s.d.	3.87	4.34	4.87	8.44	3.70

TMS mem21-032.pdf

cc: Frank Farber
Jeff Clark

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