



Test Monitoring Center

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MEMORANDUM: 12-026
DATE: July 16, 2012
TO: Sequence IV Surveillance Panel
FROM: Richard E. Grundza
SUBJECT: Target Update Reference Oil 1006-2 and Updated Standard Deviation for SA's

On the July 12, 2012 Sequence IV Surveillance Panel conference call, the panel approved an update to the means and standard deviations for the ACW parameter for reference oil 1006-2, based upon the data presented at that meeting.

The updated targets, which went into effect on July 11, 2012, are shown in the following table:

Oil	Mean	S
1006-2	103.39	13.68

During the same Sequence IV Surveillance Panel conference call, the panel approved an update to the standard deviations for severity adjustment calculations. The standard deviation, 14.87 is a pooled standard deviation calculated from reference oil 1007 (n=31) and the fifteen results obtained on reference oil 1006-2, which were used for the target update.

Attached Figure 1 plots the data against the new and old targets for ACW. Table 1 lists the data for reference oil 1006-2 used in the target calculation and pooled with the thirty one results in the original target data set for reference oil 1007. The new standard deviation will be applied to tests completing on or after July 11, 2012. Please contact me if you have any questions.

c: <ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceIV/memo/mem12-026.pdf>

Distribution: email

Figure 1

Sequence IVA (Reference Oil 1006-2) Test Target Data Set and Shewart Severity Limits

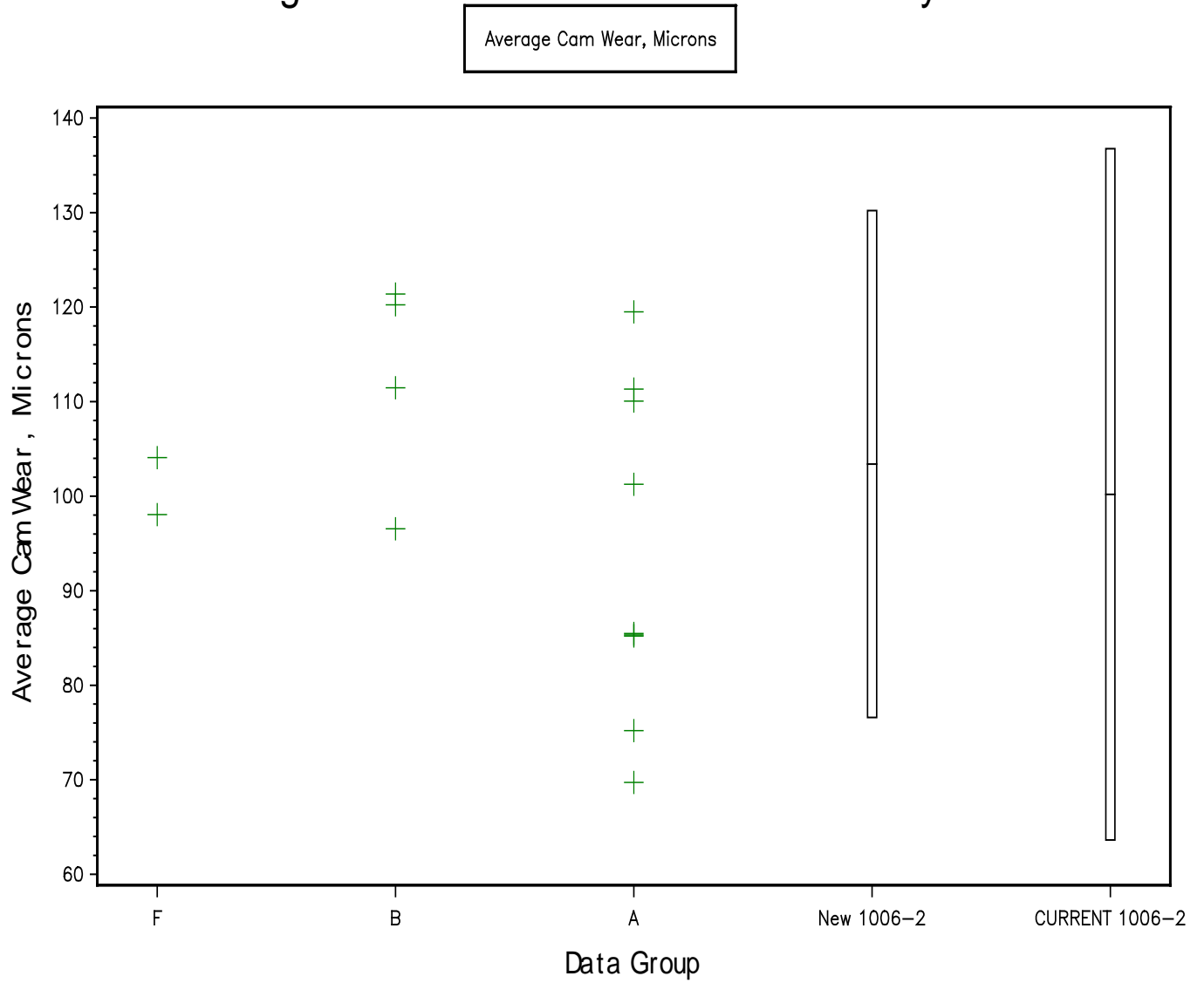


Table 1
Reference Oil Test Results

<u>TESTKEY</u>	<u>LTMSLAB</u>	<u>LTMSDATE</u>	<u>IND</u>	<u>VAL</u>	<u>ACW</u>	<u>SA</u>	<u>Severity Adjusted Result</u>
80991	B	20110809	1006-2	AG	120.24	0	120.24
84235	F	20111002	1006-2	AG	104.60	0	104.60
78808	A	20111009	1006-2	AG	101.24	0	101.24
84565	A	20111110	1006-2	AG	75.19	9.65	84.84
86108	B1	20120208	1006-2	AG	96.55	0	96.55
85064	A	20120213	1006-2	AC	85.48	16.567	102.047
86679	B1	20120226	1006-2	AC	111.47	0	111.47
86688	A	20120321	1006-2	AC	85.31	15.357	100.667
84326	F	20120328	1006-2	AC	98.05	0	98.05
86689	A	20120418	1006-2	AC	85.2	14.538	99.738
86690	A	20120423	1006-2	AC	110.04	0	110.04
87577	A	20120522	1006-2	AC	119.48	0	119.48
86680	B1	20120522	1006-2	AC	121.37	0	121.37
87578	A	20120616	1006-2	AC	111.32	0	111.32
87579	A	20120624	1006-2	AC	69.72	0	69.72