



Test Monitoring Center

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MEMORANDUM: 04-002

DATE: January 7, 2004

TO: Sequence IVA Surveillance Panel

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

SUBJECT: Reference Oil 1006-2 Test Target Update

The TMC currently has a total of 22 reference oil tests on this oil and as such has sufficient data to update the test targets at this time. The updated test targets for this oil are shown below:

Parameter	Mean	Standard Deviation
ACW	91.15	8.93

Any applicable severity adjustments were applied to the data prior to target generation. The data used to generate these targets is shown in Tables 1 & 2. Table 2 contains severity-adjusted data with the adjusted parameters, if any, shown in *red*. The above test targets, as well as the severity-adjusted data used to generate them, the raw test targets, and the initial test targets are shown in Figure 1. These targets are effective for all tests completed on or after January 21, 2004.

MTK/mtk

Attachments

c: John L. Zalar, TMC

<ftp://www.astmtmc.cmu.edu/docs/gas/sequenceiva/memos/mem04-002.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

TESTKEY	LAB	STAND	IND	VAL	LTMSDATE	LTMSTIME	ACW
42524	C	1	1006-2	NI	1/18/2002	14:37	83.58
42521	B	1A	1006-2	NI	1/11/2002	21:14	92.64
42522	B	3A	1006-2	AC	12/20/2002	10:15	107.52
46558	B	1A	1006-2	AC	11/16/2003	23:35	89.91
42516	E1	1	1006-2	NI	1/13/2002	14:13	76.85
42517	E1	1	1006-2	AC	2/20/2002	4:47	92.68
44399	E1	1	1006-2	AC	1/3/2004	18:52	93.8
42526	F	1	1006-2	NI	1/14/2002	7:10	84.08
43024	F	1	1006-2	AC	5/29/2002	3:50	93.37
43025	F	1	1006-2	AC	12/9/2002	1:15	87.84
45918	F	1	1006-2	AC	11/28/2003	21:35	81.84
42518	A	4	1006-2	NI	12/11/2001	21:45	85.36
42519	A	3	1006-2	NI	1/27/2002	2:30	78.44
42520	A	4	1006-2	AC	4/2/2002	4:06	91.77
44189	A	2	1006-2	AC	5/13/2002	2:55	71.97
44190	A	1	1006-2	AC	6/4/2002	4:10	96.73
44191	A	3	1006-2	AC	11/17/2002	1:46	90.7
44192	A	4	1006-2	AC	12/12/2002	2:20	80.85
44193	A	1	1006-2	AC	5/13/2003	13:27	98.14
46568	A	3	1006-2	AC	10/21/2003	3:00	86.19
46857	A	2	1006-2	AC	12/14/2003	17:25	90.61
46858	A	4	1006-2	AC	1/3/2004	13:01	107.09

Table 2 – Severity Adjusted Data

TESTKEY	LAB	STAND	IND	VAL	LTMSDATE	LTMSTIME	ACW
42524	C	1	1006-2	NI	1/18/2002	14:37	83.58
42521	B	1A	1006-2	NI	1/11/2002	21:14	92.64
42522	B	3A	1006-2	AC	12/20/2002	10:15	107.52
46558	B	1A	1006-2	AC	11/16/2003	23:35	89.91
42516	E1	1	1006-2	NI	1/13/2002	14:13	89.422
42517	E1	1	1006-2	AC	2/20/2002	4:47	92.68
44399	E1	1	1006-2	AC	1/3/2004	18:52	93.8
42526	F	1	1006-2	NI	1/14/2002	7:10	103.026
43024	F	1	1006-2	AC	5/29/2002	3:50	93.37
43025	F	1	1006-2	AC	12/9/2002	1:15	99.713
45918	F	1	1006-2	AC	11/28/2003	21:35	81.84
42518	A	4	1006-2	NI	12/11/2001	21:45	85.36
42519	A	3	1006-2	NI	1/27/2002	2:30	78.44
42520	A	4	1006-2	AC	4/2/2002	4:06	91.77
44189	A	2	1006-2	AC	5/13/2002	2:55	71.97
44190	A	1	1006-2	AC	6/4/2002	4:10	96.73
44191	A	3	1006-2	AC	11/17/2002	1:46	90.7
44192	A	4	1006-2	AC	12/12/2002	2:20	80.85
44193	A	1	1006-2	AC	5/13/2003	13:27	98.14
46568	A	3	1006-2	AC	10/21/2003	3:00	86.19
46857	A	2	1006-2	AC	12/14/2003	17:25	90.61
46858	A	4	1006-2	AC	1/3/2004	13:01	107.09

Figure 1

Sequence VA Reference Oil 1006-2 Test Target Data Set and Shewhart Bands

