



Test Monitoring Center

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MEMORANDUM: 04-026

DATE: April 13, 2004

TO: Sequence IVA Surveillance Panel

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

SUBJECT: Reference Oil 1009 Test Target Update

At the November 19, 2002 meeting of the Sequence IVA Surveillance Panel, the panel approved a motion to introduce reference oil 1009 into the LTMS, at a 10% usage rate, using targets generated from the five donated tests approved at the May 14, 2002 meeting. The motion also required that these targets be updated when a total of 10, 20 and 30 data points became available. The TMC has 11 data points on this oil at this time. The new test targets for this oil are shown below:

Parameter	Mean	Standard Deviation
ACW	19.08	5.60

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 italics*. 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 May 1, 2004.

MTK/mtk

Attachments

c: John L. Zalar, TMC

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceiva/memos/mem04-026.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

OILCODE	LTMSLAB	LTMSAPP	IND	VAL	LTMSDATE	LTMSTIME	ACW
44877	C	1	1009	AG	12/16/2002	7:57	13.88
44879	C	1	1009	AC	3/20/2004	18:55	17.55
44888	B	1A	1009	AG	11/9/2002	11:05	24.33
44890	B	2A	1009	AC	7/26/2003	4:50	13.5
44900	E1	1	1009	AG	10/26/2002	16:44	14.33
44901	E1	1	1009	AC	7/14/2003	13:53	15.04
44911	F	1	1009	AG	10/13/2002	2:05	16.14
50247	F	1	1009	AC	4/6/2004	18:15	12.85
44919	A	1	1009	AG	10/15/2002	2:24	15
44920	A	4	1009	AC	6/22/2003	11:37	16.01
44921	A	1	1009	AC	11/22/2003	14:51	18.2

Table 2 – Severity Adjusted Data

OILCODE	LTMSLAB	LTMSAPP	IND	VAL	LTMSDATE	LTMSTIME	ACW
44877	C	1	1009	AG	12/16/2002	7:57	13.88
44879	C	1	1009	AC	3/20/2004	18:55	17.55
44888	B	1A	1009	AG	11/9/2002	11:05	24.33
44890	B	2A	1009	AC	7/26/2003	4:50	13.5
44900	E1	1	1009	AG	10/26/2002	16:44	23.914
44901	E1	1	1009	AC	7/14/2003	13:53	26.583
44911	F	1	1009	AG	10/13/2002	2:05	28.013
50247	F	1	1009	AC	4/6/2004	18:15	12.85
44919	A	1	1009	AG	10/15/2002	2:24	15
44920	A	4	1009	AC	6/22/2003	11:37	16.01
44921	A	1	1009	AC	11/22/2003	14:51	18.2

Figure 1

Sequence IVA Reference Oil 1009 Test Target Data Set and Shewhart Bands

