



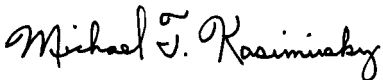
Test Monitoring Center

6555 Penn Avenue
Pittsburgh, PA 15206-4489
(412) 365-1000

MEMORANDUM: 02-128

DATE: December 17, 2002

TO: Sequence IVA Surveillance Panel

FROM: Michael T. Kasimirsky 

SUBJECT: Reference Oil 1007 Test Target Update

At the November 2001 meeting of the Sequence IVA Surveillance Panel, the panel approved a motion to reintroduce reference oil 1007 into the LTMS using targets generated from 11 donated tests. The motion also required that these targets be updated when a total of 20 and 30 data points became available. The TMC currently has received an additional 10 reference oil tests on this oil, for a total of 21 data points, 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	86.94	16.22

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 January 1, 2003.

MTK/mtk

Attachments

c: John L. Zalar, TMC
<ftp://www.astmtmc.cmu.edu/docs/gas/sequenceiva/memos/mem02-128.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

OILCODE	LTMSLAB	LTMSAPP	IND	VAL	LTMSDATE	LTMSTIME	ACW
37010	C	1	1007	AG	8/10/2000	12:13	110.44
41574	C	1	1007	AC	12/9/2001	22:05	80.6
41575	C	1	1007	AC	12/6/2002	5:16	113.53
35175	B	1	1007	NI	10/15/1999	13:00	67.36
35434	B	1	1007	NI	10/27/1999	1:40	72.27
35704	B	1	1007	AG	7/16/2000	7:35	108
35705	B	3A	1007	AC	8/19/2001	11:42	73.2
41588	B	3A	1007	AC	3/6/2002	9:09	85.19
35614	E	1	1007	NI	10/19/1999	18:05	84.81
35616	E1	1	1007	AC	6/11/2001	20:49	67.62
41596	E1	1	1007	AC	6/24/2002	19:43	73.12
35481	F	1	1007	NI	10/18/1999	21:15	69.82
35482	F	1	1007	AG	7/2/2000	1:10	89.09
34437	F	1	1007	AC	12/19/2001	2:40	63.02
35433	A	3	1007	NI	10/14/1999	4:24	97.29
35437	A	3	1007	NI	11/7/1999	22:55	104.04
35438	A	2	1007	NI	11/9/1999	0:12	113.67
35439	A	1	1007	AG	7/16/2000	21:43	96.58
37334	A	5	1007	AC	11/15/2001	0:07	75.28
37335	A	3	1007	AC	11/18/2001	2:20	98.22
43213	A	2	1007	AC	11/20/2002	2:58	85.57

Table 2 – Severity Adjusted Data

OILCODE	LTMSLAB	LTMSAPP	IND	VAL	LTMSDATE	LTMSTIME	ACW
37010	C	1	1007	AG	8/10/2000	12:13	110.44
41574	C	1	1007	AC	12/9/2001	22:05	80.6
41575	C	1	1007	AC	12/6/2002	5:16	113.53
35175	B	1	1007	NI	10/15/1999	13:00	67.36
35434	B	1	1007	NI	10/27/1999	1:40	72.27
35704	B	1	1007	AG	7/16/2000	7:35	108
35705	B	3A	1007	AC	8/19/2001	11:42	61.739
41588	B	3A	1007	AC	3/6/2002	9:09	85.19
35614	E	1	1007	NI	10/19/1999	18:05	84.81
35616	E1	1	1007	AC	6/11/2001	20:49	67.62
41596	E1	1	1007	AC	6/24/2002	19:43	73.12
35481	F	1	1007	NI	10/18/1999	21:15	69.82
35482	F	1	1007	AG	7/2/2000	1:10	89.09
34437	F	1	1007	AC	12/19/2001	2:40	80.784
35433	A	3	1007	NI	10/14/1999	4:24	97.29
35437	A	3	1007	NI	11/7/1999	22:55	104.04
35438	A	2	1007	NI	11/9/1999	0:12	113.67
35439	A	1	1007	AG	7/16/2000	21:43	87.28
37334	A	5	1007	AC	11/15/2001	0:07	75.28
37335	A	3	1007	AC	11/18/2001	2:20	98.22
43213	A	2	1007	AC	11/20/2002	2:58	85.57

Figure 1

Sequence IVA Reference Oil 1007 Test Target Data Set and Shewhart Bands

