



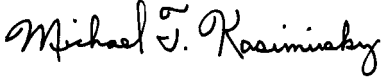
Test Monitoring Center

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

MEMORANDUM: 05-002

DATE: January 13, 2005

TO: Sequence VIII Surveillance Panel

FROM: Michael T. Kasimirsky 

SUBJECT: Reference Oil 1009 Test Targets

On January 7, 2003, the panel successfully approved an electronic ballot to the Sequence VIII Surveillance Panel on introducing reference oil 1009 into the LTMS. The motion also specified that these targets be updated when 10, 20, and 30 data points become available, as is normal practice. The TMC currently has 11 data points on this oil and as such has sufficient data to update the test targets at this time. The updated test targets are shown below:

Parameter	Mean	Standard Deviation
BWL	13.8	2.14
SVIS	9.51	0.10

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 and the raw test targets, are shown in the following figures. Figure 1 shows the BWL data, raw targets, and severity-adjusted targets. Figure 2 shows the SVIS data and raw test targets (SVIS is not a severity-adjusted parameter).

These targets are in effect for all tests completed on or after January 24, 2005.

MTK/mtk

Attachments

c: John L. Zalar, TMC

<ftp://ftp.astmtmc.cmu.edu/docs/gas/sequenceviii/memos/mem05-002.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

OILCODE	LTMSLAB	LIMSAPP	IND	VAL	LTMSSDATE	LTMSTIME	BWL	SVIS
44880	D	1	1009	AG	7/12/2002	9:20	10.9	9.37
54208	D	1	1009	AC	12/17/2004	10:35	14	9.51
44891	B	4	1009	AG	12/8/2002	21:55	11.4	9.64
44892	B	3	1009	AG	12/11/2002	19:45	12	9.56
44893	B	4	1009	AC	2/5/2004	11:15	14.7	9.62
51155	B	3	1009	AC	8/5/2004	10:15	13.4	9.52
52644	B	4	1009	AC	1/5/2005	15:45	14.1	9.65
44922	A	3	1009	AG	7/1/2002	15:44	13.7	9.45
44923	A	4	1009	AG	8/16/2002	14:47	15.8	9.51
44924	A	4	1009	AC	1/25/2004	12:00	13	9.41
46570	A	5	1009	AC	9/18/2004	10:09	12.6	9.39

Table 2 – Severity Adjusted Data

OILCODE	LTMSLAB	LIMSAPP	IND	VAL	LTMSSDATE	LTMSTIME	BWL	SVIS
44880	D	1	1009	AG	7/12/2002	9:20	10.9	9.37
54208	D	1	1009	AC	12/17/2004	10:35	14	9.51
44891	B	4	1009	AG	12/8/2002	21:55	11.4	9.64
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51155	B	3	1009	AC	8/5/2004	10:15	16.4	9.52
52644	B	4	1009	AC	1/5/2005	15:45	14.1	9.65
44922	A	3	1009	AG	7/1/2002	15:44	13.7	9.45
44923	A	4	1009	AG	8/16/2002	14:47	15.8	9.51
44924	A	4	1009	AC	1/25/2004	12:00	13	9.41
46570	A	5	1009	AC	9/18/2004	10:09	12.6	9.39

Figure 1

Sequence VIII Reference Oil 1009 Test Target Data Set and Proposed Shewhart Bands

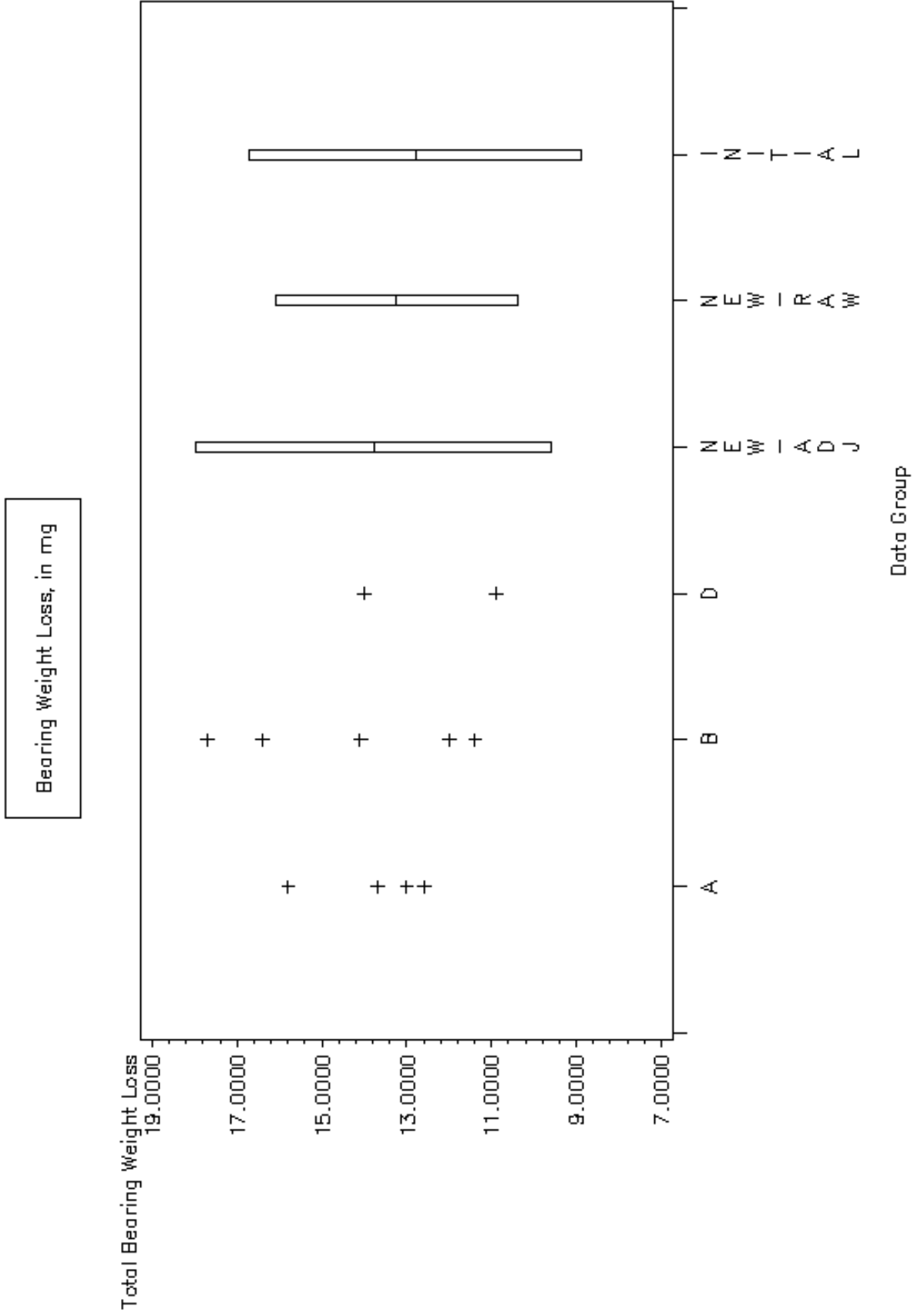


Figure 2

Sequence VIII Reference Oil 1009 Test Target Data Set and Proposed Shewhart Bands

