



Test Monitoring Center

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MEMORANDUM: 03-001

DATE: January 8, 2003

TO: Sequence VIII Surveillance Panel

FROM: Michael T. Kasimirsky *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 contained in this ballot was to introduce reference oil 1009 into the LTMS at a 33% usage rate and using the preliminary test targets shown in TMC Memorandum 02-127. The motion also specified that these targets be updated when 10, 20, and 30 data points become available, as is normal practice. The initial targets for this oil are shown below:

Parameter	Mean	Standard Deviation
BWL	12.8	2.00
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 7, 2003.

MTK/mtk

Attachments

c: John L. Zalar, TMC

<ftp://www.astmtmc.cmu.edu/docs/gas/sequenceviii/memos/mem03-001.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

OILCODE	LTM SLAB	LTM SAPP	IND	VAL	LTM SDATE	LTM STIME	BWL	SVIS
44880	D	1	1009	AG	7/12/2002	9:20	10.9	9.37
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
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

Table 2 – Severity Adjusted Data

OILCODE	LTM SLAB	LTM SAPP	IND	VAL	LTM SDATE	LTM STIME	BWL	SVIS
44880	D	1	1009	AG	7/12/2002	9:20	10.9	9.37
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
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

Figure 1

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

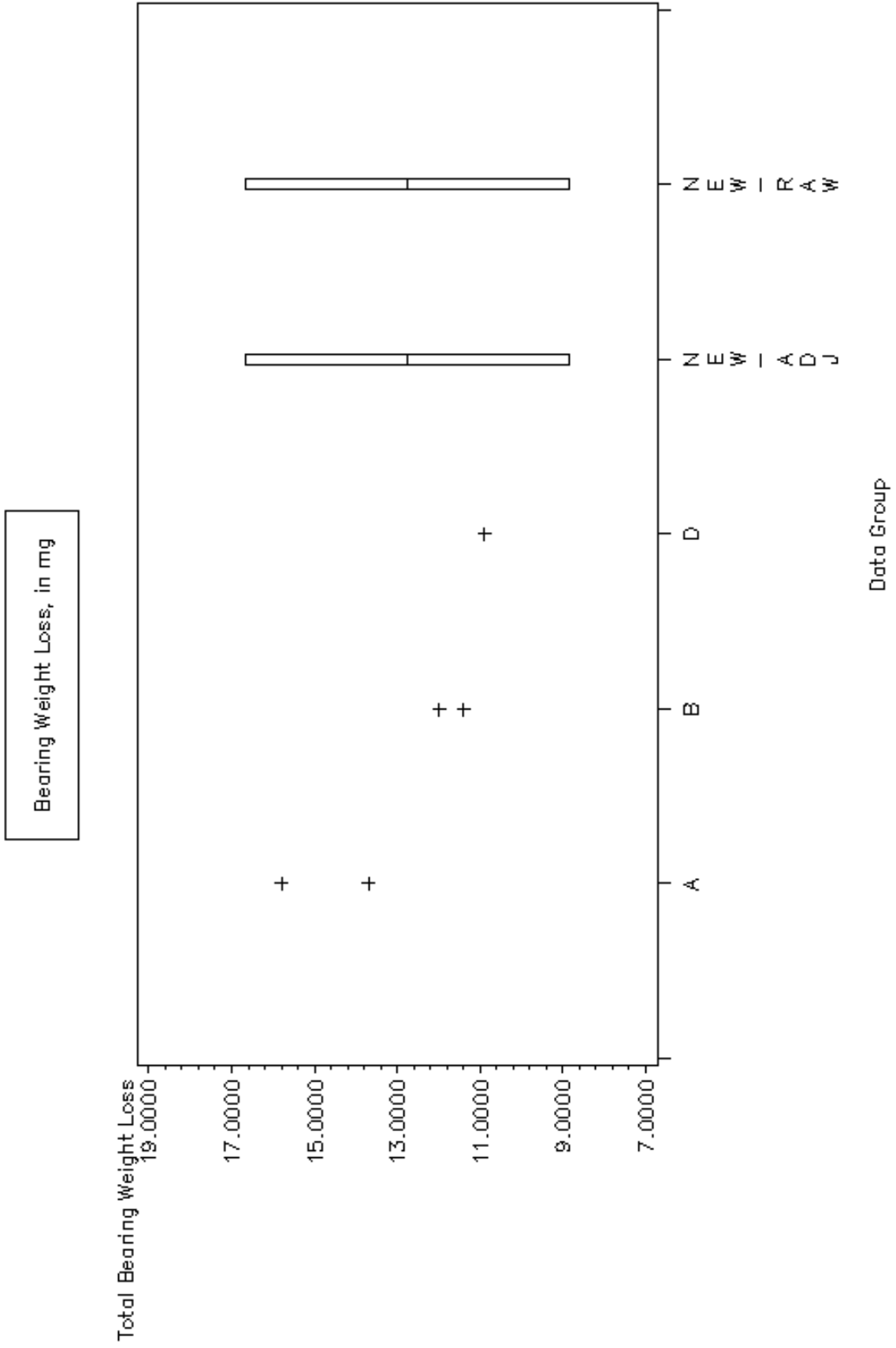


Figure 2

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

