



Test Monitoring Center

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MEMORANDUM: 02-090

DATE: October 8, 2002

TO: Sequence VIII Surveillance Panel

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

SUBJECT: Reference Oil 1006-2 Initial Test Target Review

At the May 14, 2002 meeting of the Sequence VIII Surveillance Panel the panel approved a motion to introduce reference oil 1006-2 into the LTMS using the existing test targets for reference oil 1006. The targets for this oil would be reviewed with the panel when five data points were available and then updated at 10, 20, and 30 data points. At this time the TMC has received seven data points on this oil and has prepared potential test targets based upon this data. The proposed targets for reference oil 1006-2, based on these seven data points, are shown in the following table:

Parameter	Mean	Standard Deviation
BWL	13.0	4.26
SVIS	9.23	0.07

The data used to generate these targets is shown in Tables 1 & 2. The individual BWL and SVIS data points, along with the proposed test targets and the final targets for reference oil 1006, are plotted in Figures 1 & 2. If the panel wishes to implement these test targets into the LTMS, some action will need to be taken by the Surveillance Panel.

MTK/mtk

Attachments

c: John L. Zalar, TMC

<ftp://www.astmtmc.cmu.edu/docs/gas/sequenceviii/memos/mem02-090.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

Oilcode	Lab	Stand	Ind	Validity	LTMS Date	LTMS Time	BWL	SVIS
42447	A	4	1006-2	AC	6/14/02	18:10	10.8	9.15
42448	A	3	1006-2	AC	9/26/02	10:01	15.2	9.33
42528	B	4	1006-2	AC	5/2/02	14:15	9.4	9.16
42529	B	3	1006-2	AC	5/5/02	19:10	7.7	9.2
43559	B	4	1006-2	AC	7/5/02	10:10	14.3	9.27
43560	B	3	1006-2	AC	8/1/02	15:50	13	9.27
42530	D	1	1006-2	AC	6/6/02	10:20	11.3	9.22

Table 2 – Severity Adjusted Data

Oilcode	Lab	Stand	Ind	Validity	LTMS Date	LTMS Time	BWL	SVIS
42447	A	4	1006-2	AC	6/14/02	18:10	10.8	9.15
42448	A	3	1006-2	AC	9/26/02	10:01	15.2	9.33
42528	B	4	1006-2	AC	5/2/02	14:15	9.4	9.16
42529	B	3	1006-2	AC	5/5/02	19:10	7.7	9.2
43559	B	4	1006-2	AC	7/5/02	10:10	19.2	9.27
43560	B	3	1006-2	AC	8/1/02	15:50	17.1	9.27
42530	D	1	1006-2	AC	6/6/02	10:20	11.3	9.22

Figure 1

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

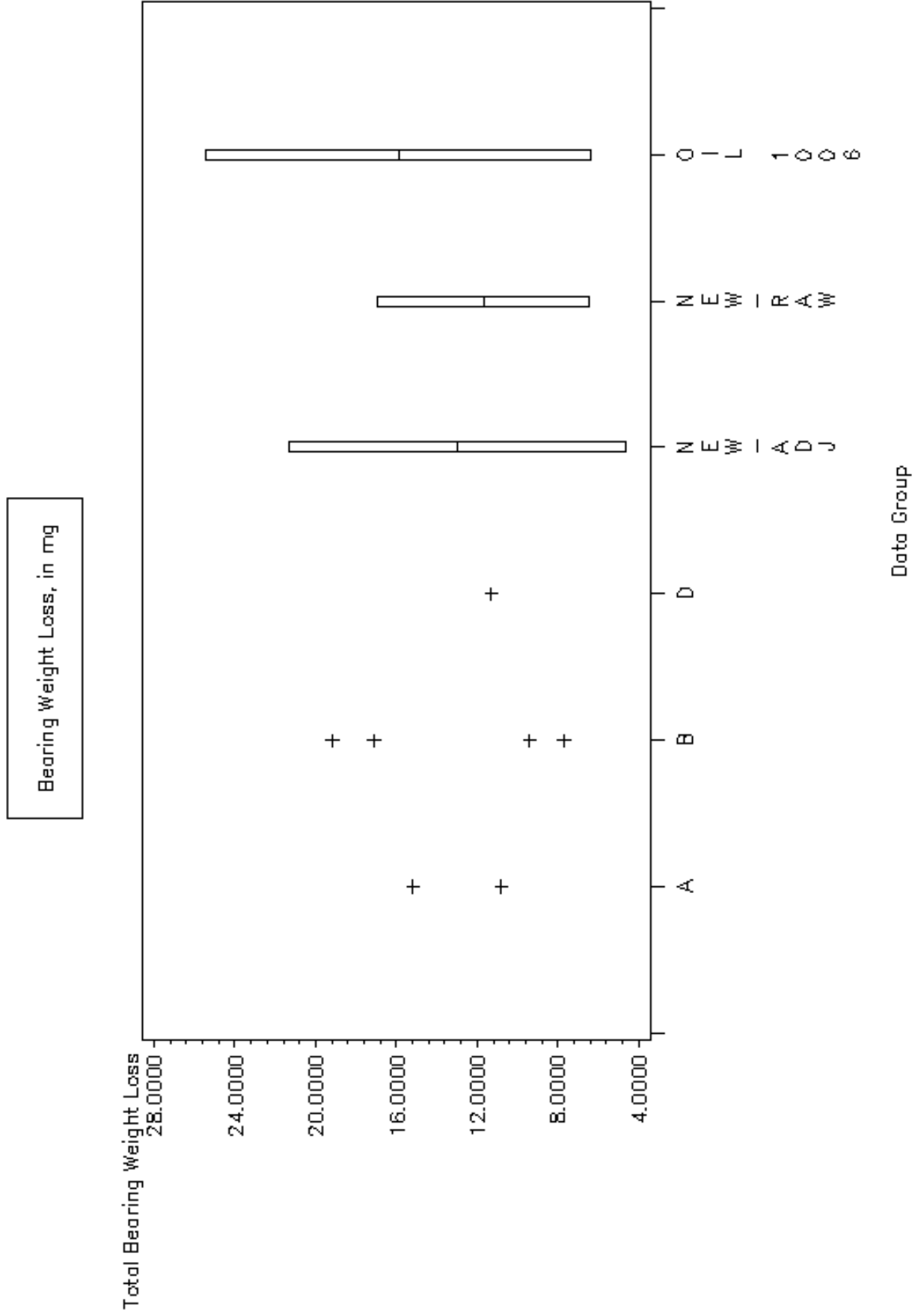


Figure 2

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

