



# Test Monitoring Center

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MEMORANDUM: 03-078

DATE: August 20, 2003

TO: Sequence VIII Surveillance Panel

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

SUBJECT: Reference Oil 1006-2 Test Target Update

On November 13, 2001, the Sequence VIII Surveillance Panel approved a motion to introduce reference oil 1006-2 into the LTMS. This motion required that the test targets be updated when the TMC had received 10, 20, and 30 data points on this oil. The TMC currently has 12 data points on this oil and as such has sufficient data to update the test targets at this time. The initial test targets, based upon seven data points, are shown below for comparison purposes:

Initial Reference Oil 1006-2 Test Targets (N=7)		
Parameter	Mean	Standard Deviation
BWL	13.0	4.26
SVIS	9.23	0.07

The updated test targets, based upon 12 data points, are shown below:

Updated Reference Oil 1006-2 Test Targets (N=12)		
Parameter	Mean	Standard Deviation
BWL	12.4	2.59
SVIS	9.24	0.06

The raw reference oil 1006-2 data is shown in Table 1. The severity-adjusted data used to generate these targets is shown in Tables 2, with severity-adjusted data shown in red. 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. These targets are effective for all tests completed on or after September 1, 2003.

MTK/mtk

Attachments

c: John L. Zalar, TMC

<ftp://www.astmtmc.cmu.edu/docs/gas/sequenceviii/memos/mem03-078.pdf>

Distribution: Electronic Mail

Table 1 – Unadjusted Data

<b>Oilcode</b>	<b>Lab</b>	<b>Stand</b>	<b>Ind</b>	<b>Validity</b>	<b>LTMS Date</b>	<b>LTMS Time</b>	<b>BWL</b>	<b>SVIS</b>
42447	A	4	1006-2	AC	6/14/2002	18:10	10.8	9.15
42448	A	3	1006-2	AC	9/26/2002	10:01	15.2	9.33
44401	A	3	1006-2	AC	12/6/2002	14:49	13.9	9.19
44402	A	4	1006-2	AC	5/4/2003	10:17	8	9.29
46571	A	3	1006-2	AC	5/23/2003	14:04	13	9.24
42528	B	4	1006-2	AC	5/2/2002	14:15	9.4	9.16
42529	B	3	1006-2	AC	5/5/2002	19:10	7.7	9.2
43559	B	4	1006-2	AC	7/5/2002	10:10	14.3	9.27
43560	B	3	1006-2	AC	8/1/2002	15:50	13	9.27
44895	B	3	1006-2	AC	2/6/2003	14:30	7.8	9.22
45760	B	4	1006-2	AC	7/27/2003	18:40	10.3	9.33
42530	D	1	1006-2	AC	6/6/2002	10:20	11.3	9.22

Table 2 – Severity Adjusted Data

<b>Oilcode</b>	<b>Lab</b>	<b>Stand</b>	<b>Ind</b>	<b>Validity</b>	<b>LTMS Date</b>	<b>LTMS Time</b>	<b>BWL</b>	<b>SVIS</b>
42447	A	4	1006-2	AC	6/14/2002	18:10	10.8	9.15
42448	A	3	1006-2	AC	9/26/2002	10:01	15.2	9.33
44401	A	3	1006-2	AC	12/6/2002	14:49	13.9	9.19
44402	A	4	1006-2	AC	5/4/2003	10:17	8	9.29
46571	A	3	1006-2	AC	5/23/2003	14:04	13	9.24
42528	B	4	1006-2	AC	5/2/2002	14:15	9.4	9.16
42529	B	3	1006-2	AC	5/5/2002	19:10	11	9.2
43559	B	4	1006-2	AC	7/5/2002	10:10	17.5	9.27
43560	B	3	1006-2	AC	8/1/2002	15:50	13	9.27
44895	B	3	1006-2	AC	2/6/2003	14:30	11.4	9.22
45760	B	4	1006-2	AC	7/27/2003	18:40	13.8	9.33
42530	D	1	1006-2	AC	6/6/2002	10:20	11.3	9.22

Figure 1

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

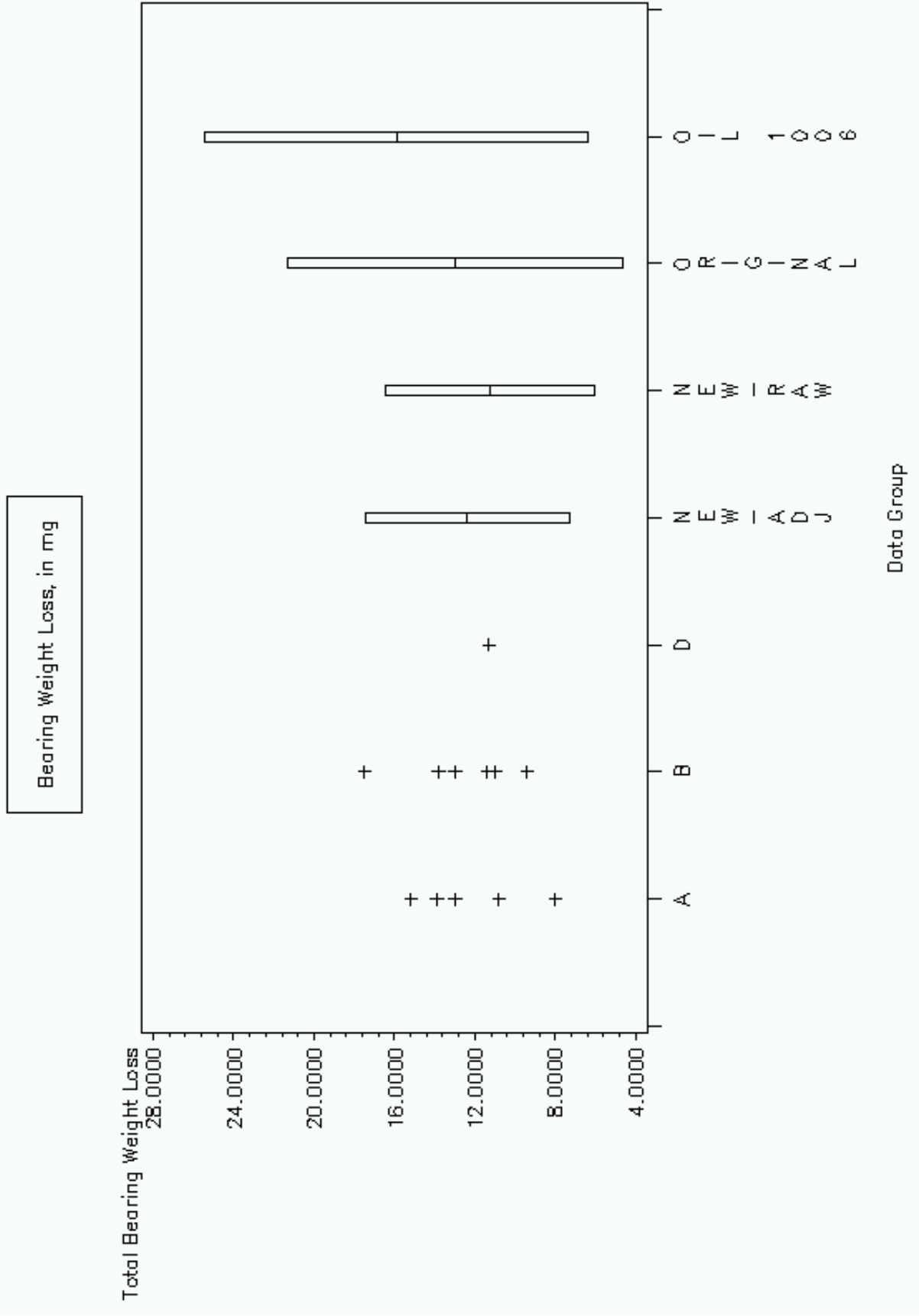


Figure 2

