



# Test Monitoring Center

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MEMORANDUM: 19-001  
DATE: January 16, 2019  
TO: BRT Surveillance Panel  
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*  
SUBJECT: Reference Oil 86 Updated Test Targets

As approved by the BRT Surveillance Panel, the test targets for Reference Oil 86 were updated based upon the results of 30 data points, with three results being removed from the target data set based upon rare event screening defined in Standard Practice E 178.

The updated targets are shown in Table 1, below:

| Table 1: Reference Oil 86 Initial Test Targets (N=30) |       |                    |                  |
|---|-------|--------------------|------------------|
| Parameter   | Mean  | Standard Deviation | Acceptance Range |
| Average Gray Value                                    | 120.0 | 11.8               | 96 to 144        |

The individual test results, initial test target acceptance range, and the test target acceptance range for Reference Oil 81 for *Average Gray Value* are plotted in Figure 1. The individual test results used in generation of these test targets, with the screened result shown in red, are available at the following link:

<http://www.astmtmc.cmu.edu/ftp/refdata/bench/brt/data/BRT%20reference%20oil%2086%20target%20update%20data.xls>

These test targets will be updated and frozen after six months of data are available on this reference oil.

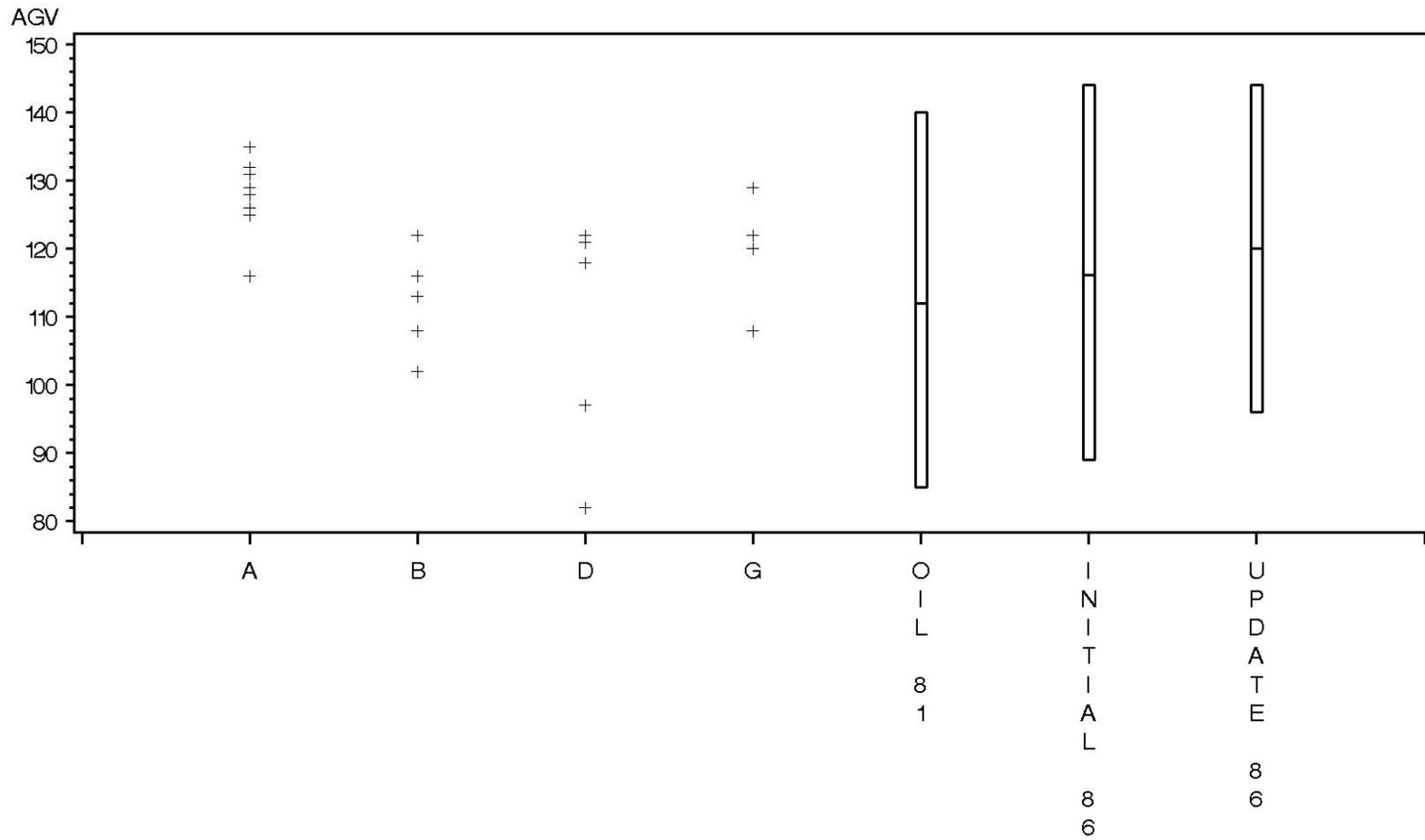
These targets are effective on February 1, 2019.

c: <http://www.astmtmc.cmu.edu/ftp/docs/bench/brt/memos/mem19-001.mtk.pdf>

Distribution: electronic mail

Figure 1: Average Gray Value  
Test Target Data Set and Acceptance Bands

BRT Reference Oil 86



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