



Test Monitoring Center

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MEMORANDUM: 18-052
DATE: December 17, 2018
TO: BRT Surveillance Panel
FROM: Michael T. Kasimirsky *Michael T. Kasimirsky*
SUBJECT: Reference Oil 87 Updated Test Targets

As approved by the BRT Surveillance Panel, the test targets for Reference Oil 87 were updated based upon the results of 30 data points, with one donated result 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 87 Updated Test Targets (N=30)			
Parameter	Mean	Standard Deviation	Acceptance Range
Average Gray Value	121.8	9.1	103 to 140

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%2087%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 December 27, 2018.

c: <http://www.astmtmc.cmu.edu/ftp/docs/bench/brt/memos/mem18-052.mtk.pdf>

Distribution: electronic mail

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

BRT Reference Oil 87

