



Test Monitoring Center

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MEMORANDUM: 11-053

DATE: December 7, 2011

TO: EOWT Surveillance Panel

FROM: Michael T. Kasimirsky

SUBJECT: Reference Oil 78-2 Introduction

At the December 5, 2011 EOFT Surveillance Panel meeting, the panel approved a motion to update and freeze the test targets for reference oil 78-2, based upon the data presented at that meeting.

The updated test targets, which take effect on December 12, 2011, are shown in the following table:

Reference Oil 78-2						
WT%	N	Mean	Std Dev	K	Target Range	
0.6	72	27.57	5.67	1.96	16.45	38.69
1.0	74	24.7	5.49	1.96	13.93	35.47
2.0	77	21.15	6.16	1.96	9.07	33.23
3.0	75	17.72	6.04	1.96	5.87	29.56

Note that the upper and lower limits shown in the "Target Range" block are the official test targets for the EOWT test; the target mean and standard deviation are shown for information purposes only.

Plots of the initial test targets, the updated test targets, the final test targets used for reference oil 78-1, and the individual data points used to calculate the targets are shown on the following pages. A spreadsheet of the data used to calculate these targets can be found at the following link:

<ftp://ftp.astmtmc.cmu.edu/refdata/bench/eowt/data/EOWT%20oil%2078-2%20target%20data.xls>

MTK/mtk

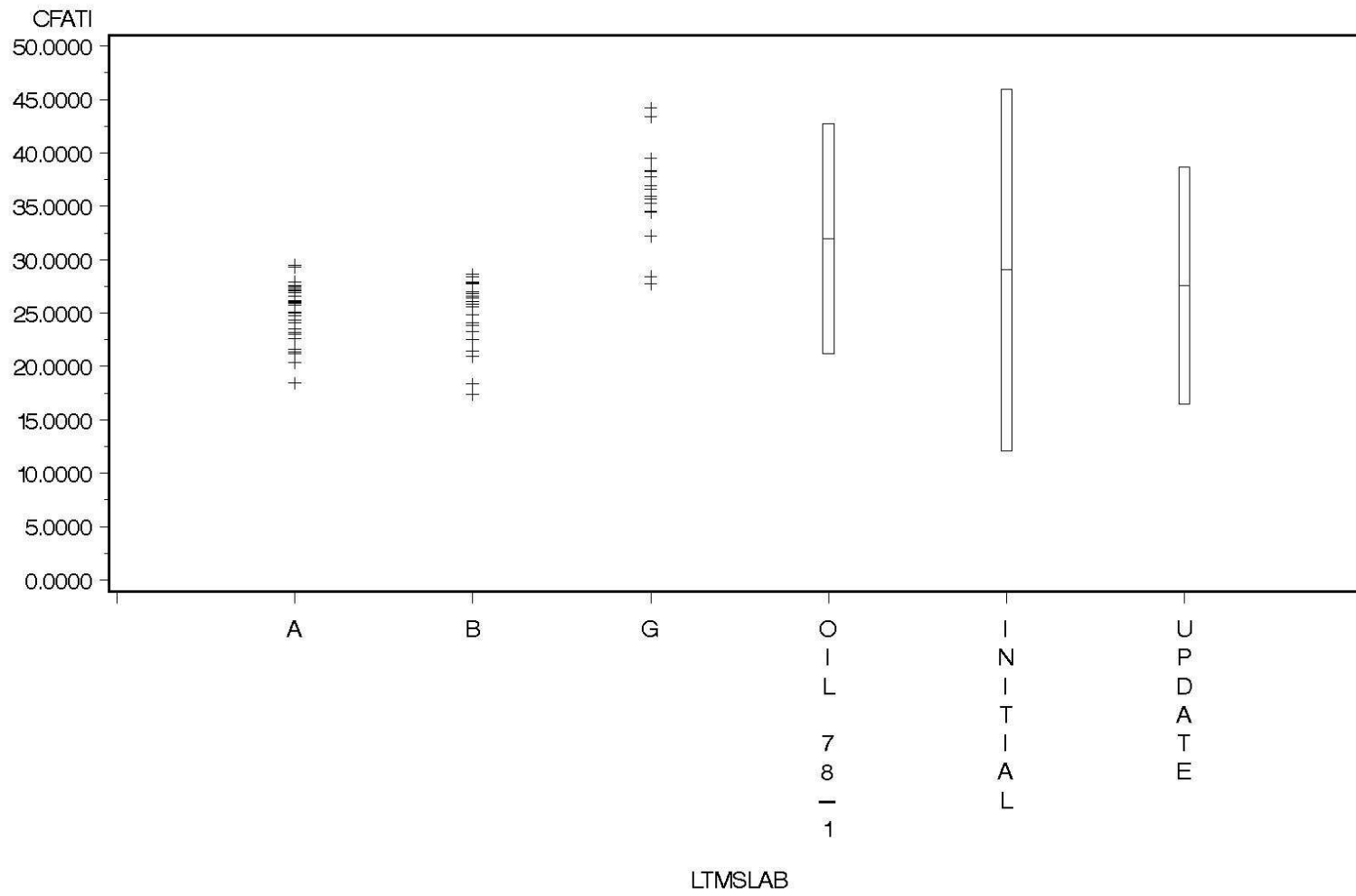
c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/eowt/memo/mem11-053.mtk.pdf>

Distribution: email

EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

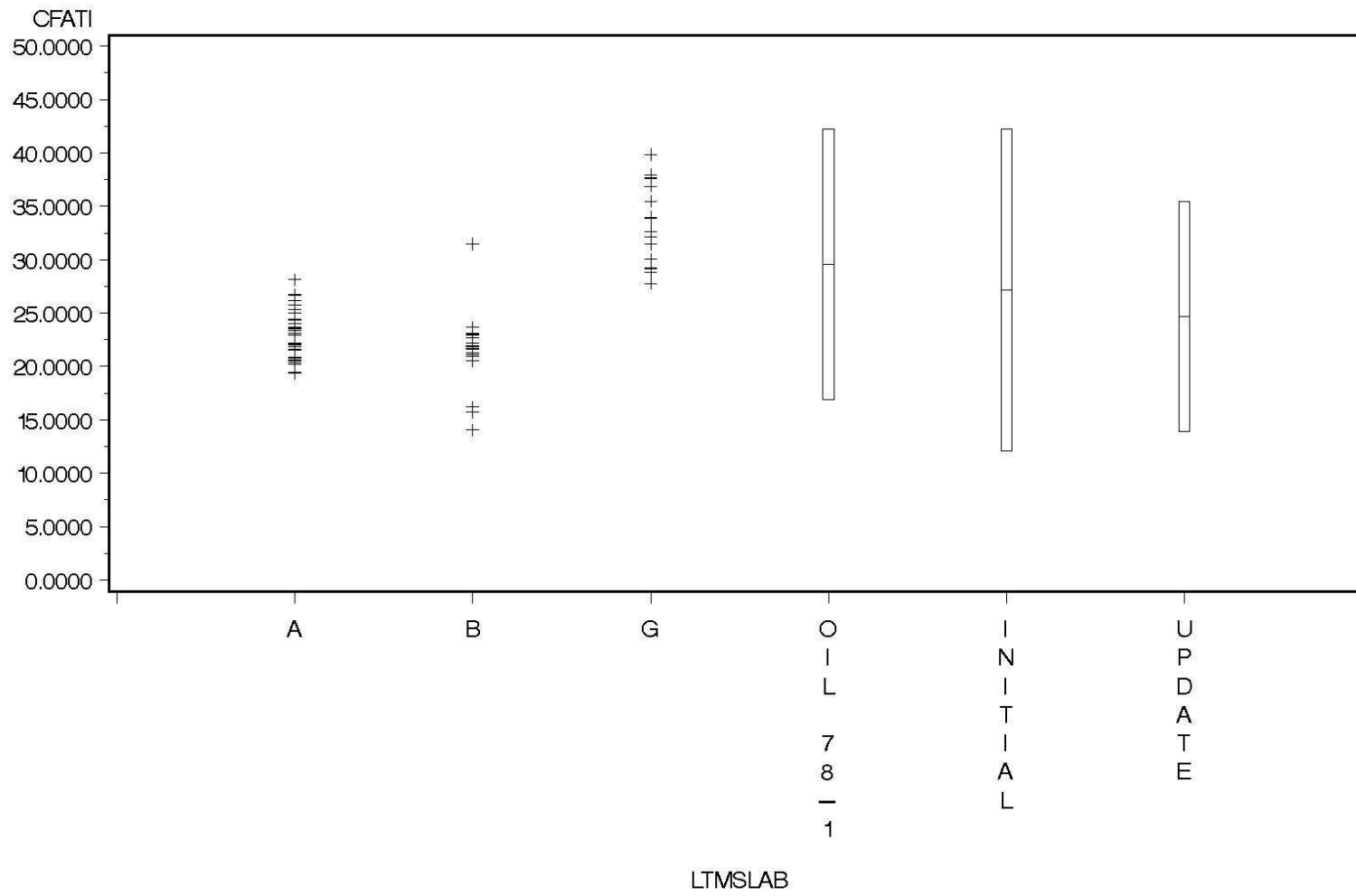
Change in Flowrate Average, 0.6% Water Concentration



EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

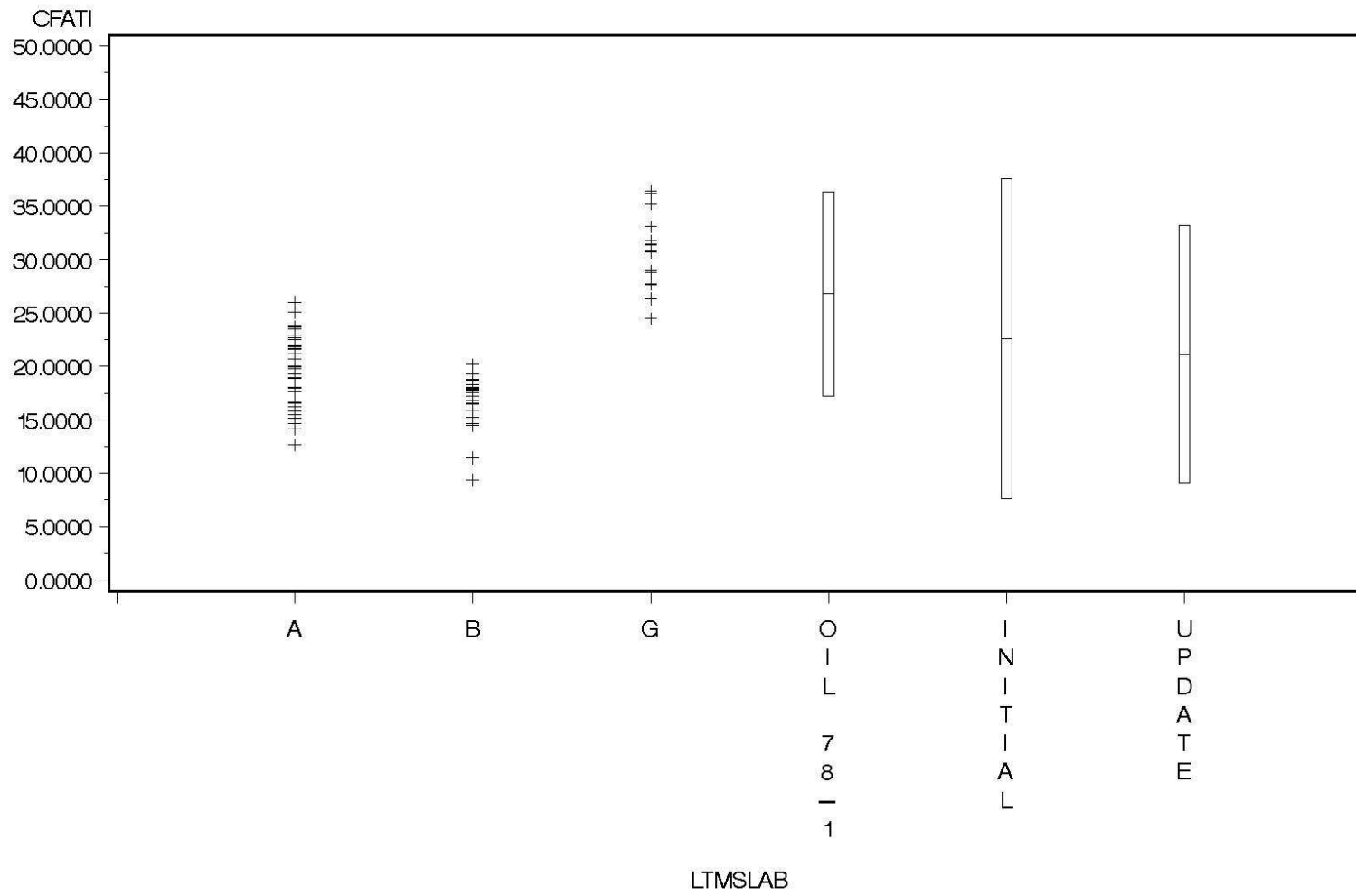
Change in Flowrate Average, 1.0% Water Concentration



EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

Change in Flowrate Average, 2.0% Water Concentration



EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

Change in Flowrate Average, 3.0% Water Concentration

