



Test Monitoring Center

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MEMORANDUM: 08-008
DATE: March 21, 2008
TO: C13 Surveillance Panel
FROM: Jeff Clark
SUBJECT: C13 Reference Oil Test Target Update

As approved by the C13 Surveillance Panel, the fourteen test targets for C13 reference oil 831 (PC10B) are shown in the table below. These targets went into effect March 13, 2008. Attached is the C13 target dataset as well as plots showing the lab distribution for all test parameters. These targets will also be used for the first five tests on reference oil 831-1. Please contact me if you have any questions.

C13 Reference Oil 831 Fourteen Test Targets

Parameter (units)	Mean	Std. Deviation
Top Groove Carbon (demerits)	46.02	5.90
Top Land Carbon (demerits)	21.87	7.89
Oil Consumption, sqrt(g/h)	5.5089	0.7141
Second Ring Top Carbon, ln(demerits)	2.8828	0.2900

JAC/jac /mem08-008.jac.doc

c: ftp://ftp.astmtmc.cmu.edu/docs/diesel/cat_c13/memos/mem08-008.pdf

Frank Farber
John Zalar

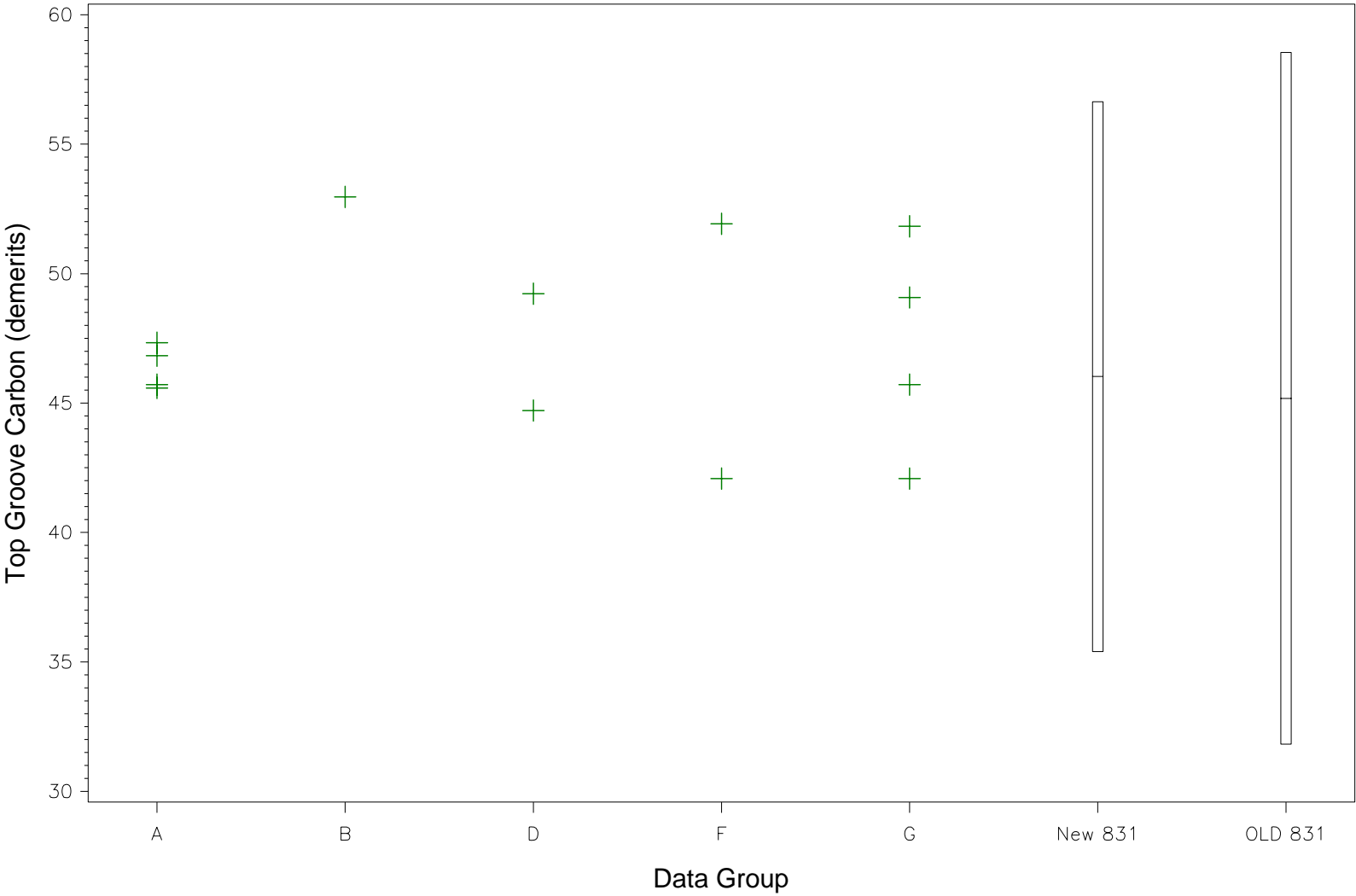
Distribution: email

**C13 Reference Oil 831 (PC10B)
Fourteen Test Target Dataset**

<u>CMIR</u>	<u>LAB</u>	<u>EOT</u>	<u>Top Groove Carbon</u>	<u>Top Land Carbon</u>	<u>Second Ring Top Carbon</u>	<u>Oil Consumption</u>
55737	A	20050529	29.25	30.38	19.79	27.7
55738	G	20050605	51.83	17	13.96	29.5
56273	D	20050720	44.71	27.38	17.92	32.8
56388	F	20050819	42.08	27.96	12.71	54.4
56733	A	20050831	45.71	20.21	19.17	28.4
56385	B	20050908	52.96	38	19.38	33.4
56387	D	20050915	49.22	24.17	21.04	35.2
56727	G	20051022	45.71	14.83	23.33	25.3
59005	G	20070310	42.08	10.04	33.83	22.8
59003	A	20070313	45.58	25	15.1	36.4
62275	A	20070316	47.33	21.58	15.58	32.8
58948	F	20070406	51.92	24.29	23.75	30.3
62592	A	20070418	46.83	14	12.9	20.1
63178	G	20070528	49.08	11.33	12.05	22.4

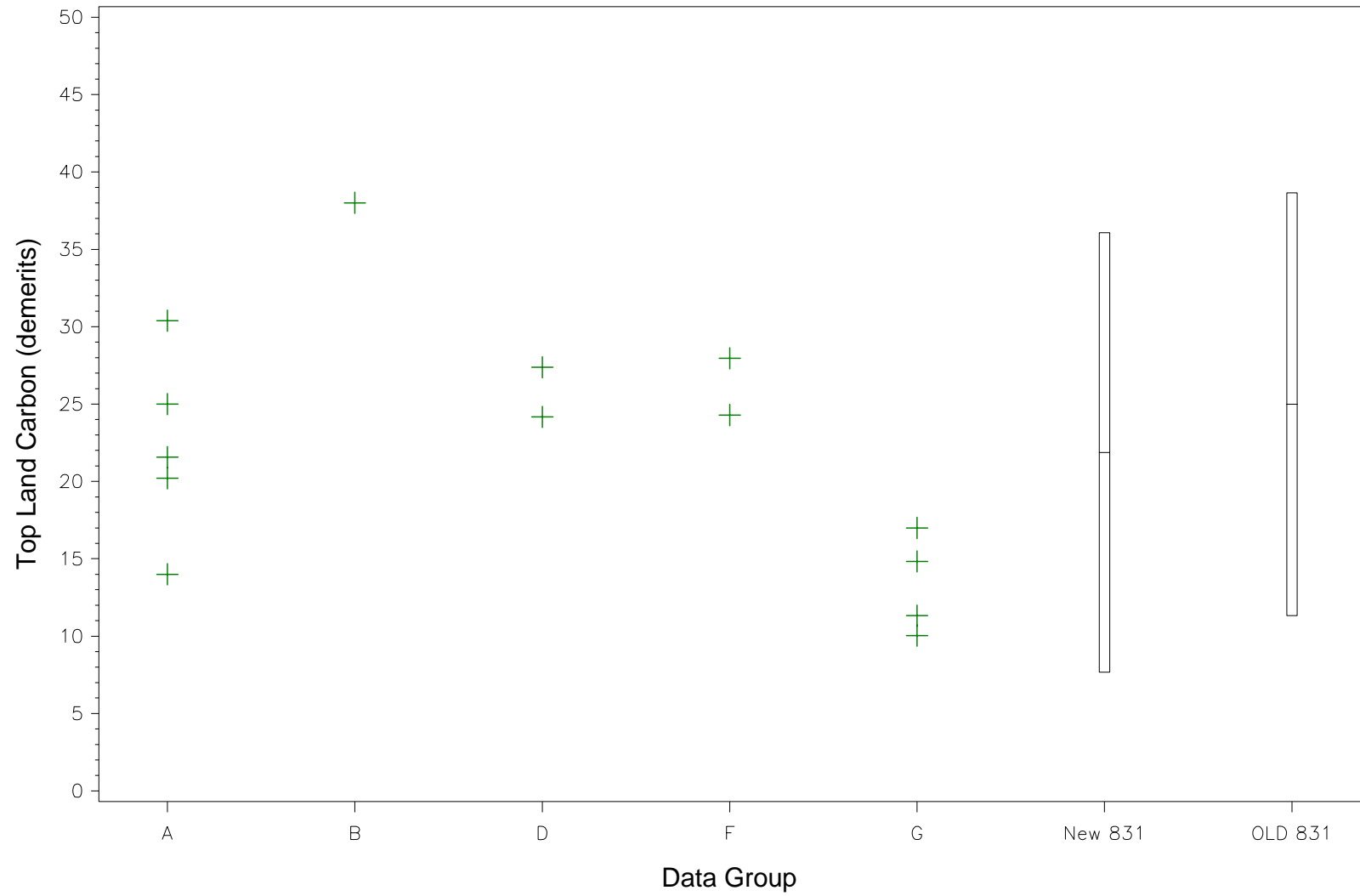
C13: Reference Oil 831
Test Target Data Set and Shewart Severity Limits

Top Groove Carbon



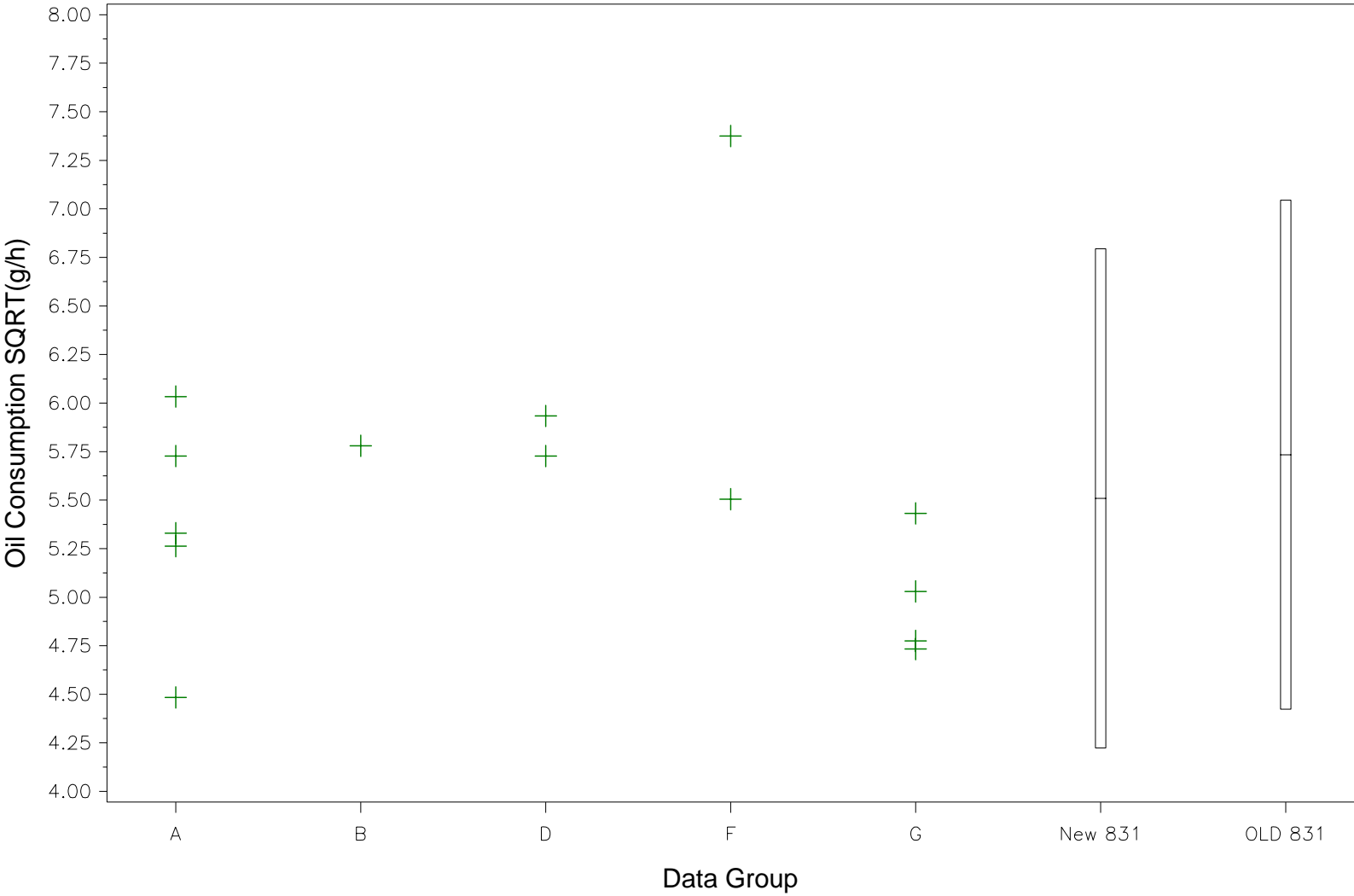
C13: Reference Oil 831
Test Target Data Set and Shewart Severity Limits

Top Land Carbon



C13: Reference Oil 831
Test Target Data Set and Shewart Severity Limits

Oil Consumption



C13: Reference Oil 831
Test Target Data Set and Shewart Severity Limits

Second Ring Top Carbon

