



# Test Monitoring Center

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MEMORANDUM: 03-005  
DATE: January 23, 2003  
TO: Mack Test Surveillance Panel  
FROM: Jeff Clark  
SUBJECT: T-10 Reference Test Targets

As approved by the Surveillance Panel, the twenty test T-10 reference test targets for TMC oil 820-2, which went into effect on January 22, 2003, are shown below.

Attached are the data set and plots showing the lab distributions of the data. Please note that the standard deviations shown should be used for calculating laboratory severity adjustments. Please contact me if you have any questions.

**T-10 Test Targets, TMC Oil 820-2, 20 Tests**

Parameter	Mean	Std. Dev.
Cylinder Liner Wear (microns)	32.0	4.2
Top Ring Weight Loss (mg)	109	18
Oil Consumption (g/hr)	52.9	7.2
Delta PB at EOT (trans. units)	3.2106	0.2339
Delta PB 250 – 300 h (ppm)	9.0	3.5

Attachments

JAC/jac/mem03-005.jac.doc

c: FMF

JLZ

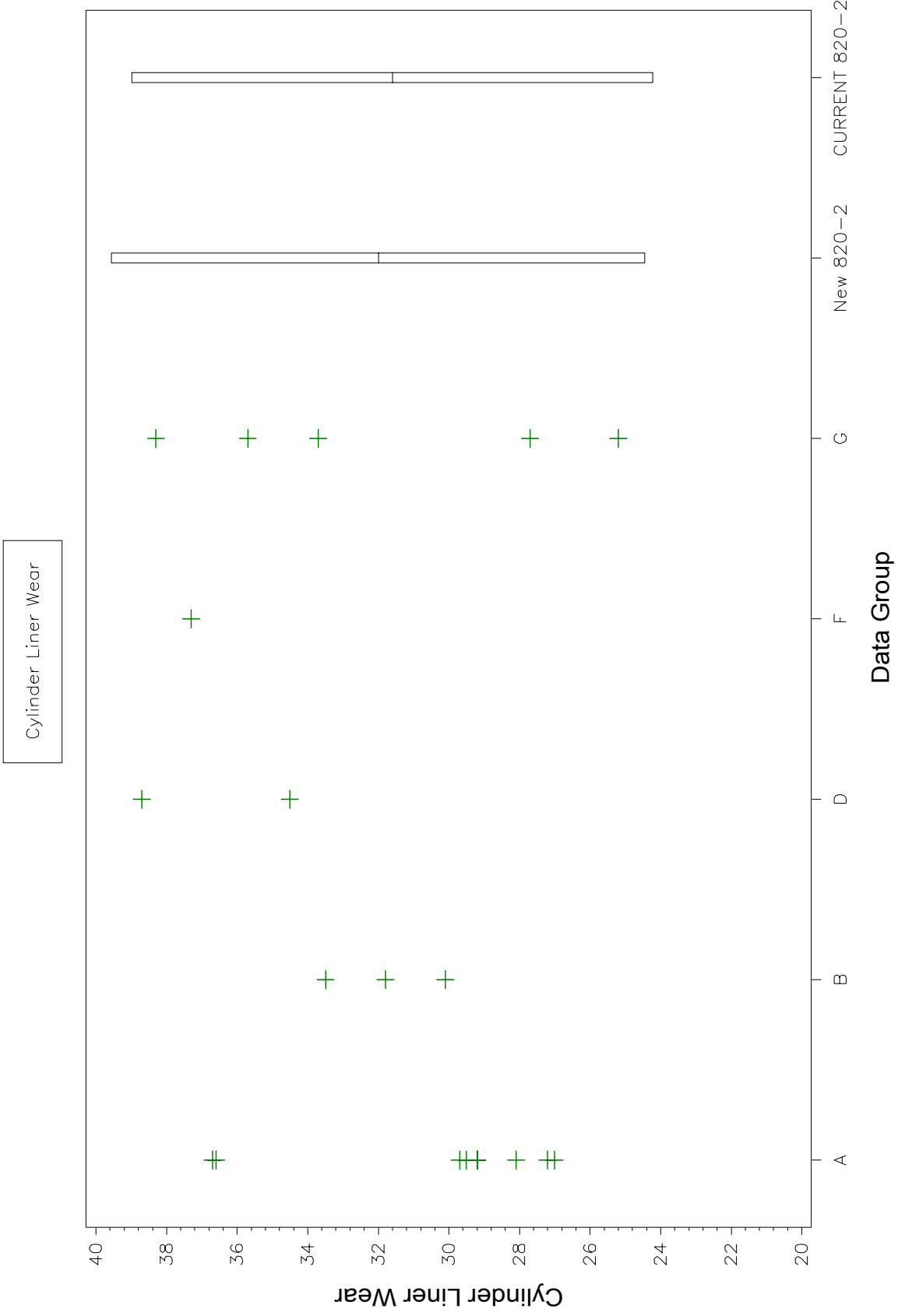
<ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/memos/mem03-005.pdf>

Distribution: Email

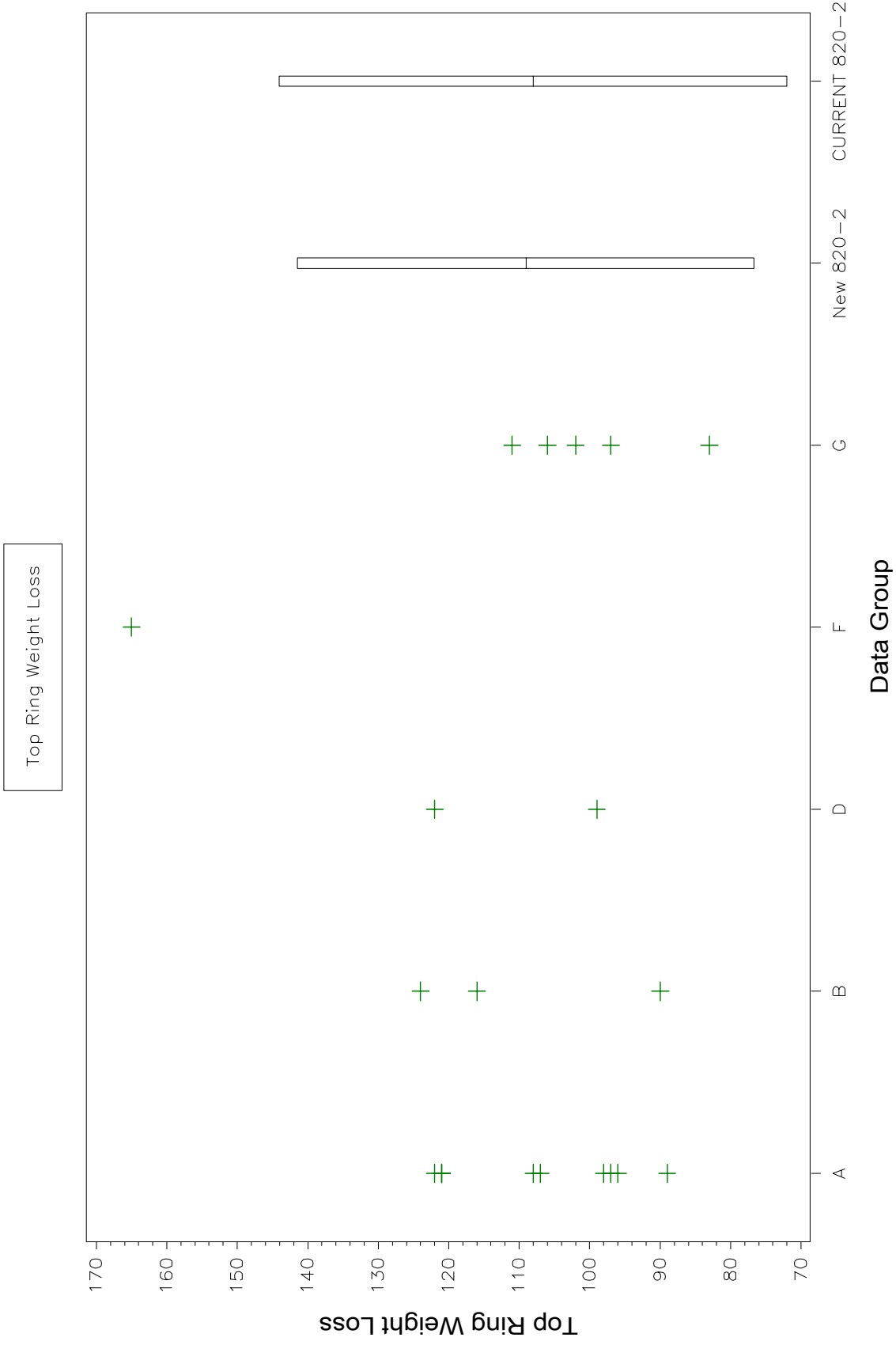
**T-10**  
**20-TEST TARGET DATA SET**

CMIR	LTMSLAB	LTMSAPP	IND	PB	CLW	OC	TRWL	PB2
43610	B	1	820-2	28	31.8	55	116	11
43608	F	1	820-2	29	37.3	56.2	165	10
43602	A	3	820-2	30	28.1	62.6	98	15
43659	G	3	820-2	22	33.7	54.6	97	9
43603	A	4	820-2	18	27.2	40	96	4
43640	A	5	820-2	25	36.6	44	97	4
43641	A	7	820-2	28	27	46.7	107	9
43606	D	1	820-2	31	34.5	56.8	122	11
43807	G	2	820-2	18	25.2	40.3	111	5
43642	A	6	820-2	23	29.7	50.4	89	5
43643	A	8	820-2	18	29.5	49.3	121	8
44317	G	1	820-2	27	27.7	51.9	106	8
44320	G	2	820-2	40	38.3	51.4	83	15
43649	B	1	820-2	32	30.1	68.1	90	14
45184	G	2	820-2	19	35.7	46.5	102	6
43650	B	1	820-2	33	33.5	59.1	124	14
43645	A	4	820-2	25	29.2	59.4	121	10
43646	A	5	820-2	20	29.2	52.1	108	6
43607	D	1	820-2	19	38.7	58.5	99	9
43647	A	7	820-2	24	36.7	54.6	122	8

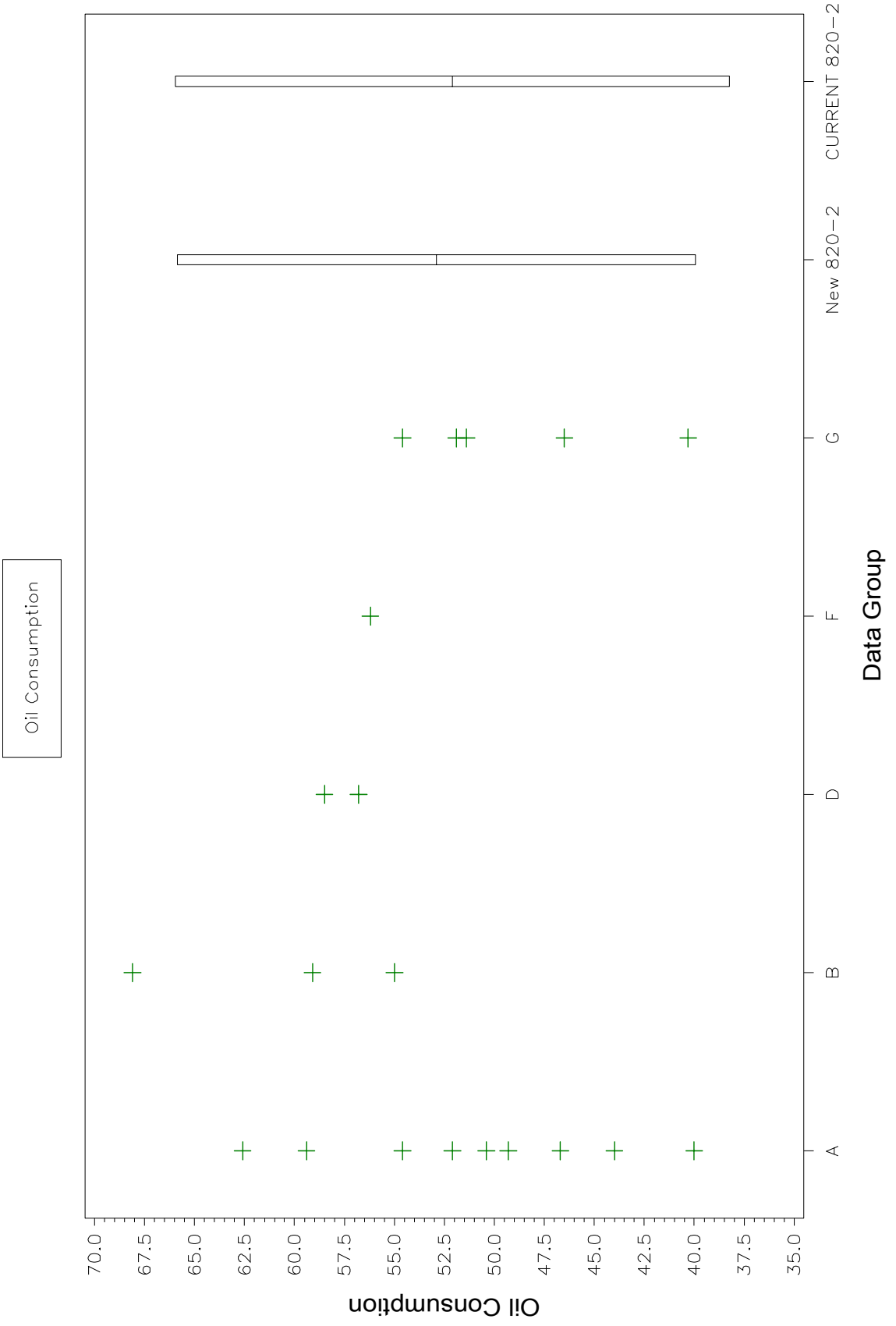
# T-10: Reference Oil 820-2 Test Target Data Set and Shewart Severity Limits



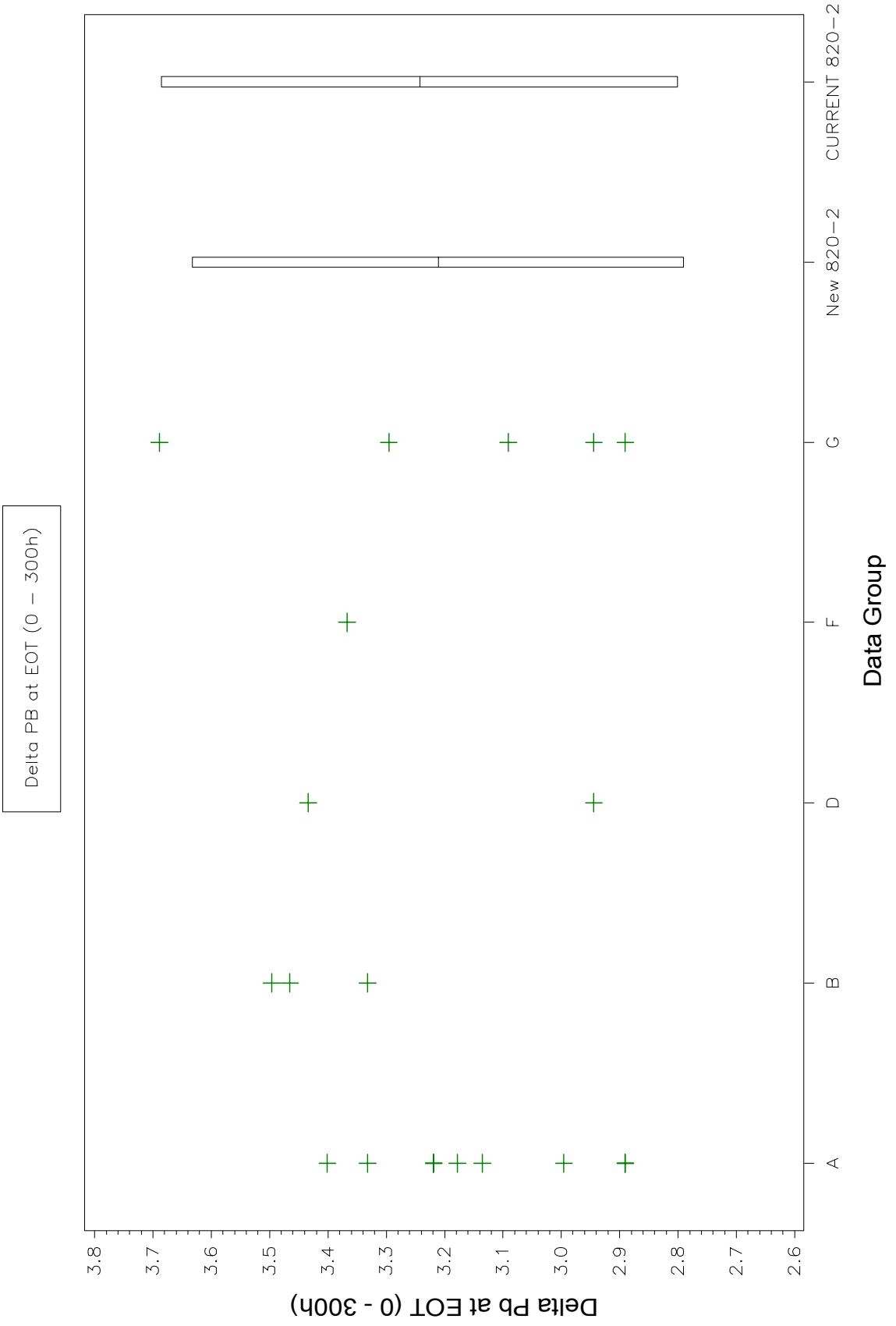
# T-10: Reference Oil 820-2 Test Target Data Set and Shewart Severity Limits



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