



Test Monitoring Center

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MEMORANDUM: 02-083
DATE: October 3, 2002
TO: Mack Test Surveillance Panel
FROM: Jeff Clark
SUBJECT: T-10 Reference Test Targets

As approved by the Surveillance Panel, the sixteen test T-10 reference test targets for TMC oil 820-2, which went into effect on September 25, 2002, are shown below. This target update is necessary due to the change in the outlier screening profiles that have been approved for the T-10. The targets shown below were generated with the new profiles applied to the data set.

Attached is the target data set. Also attached are 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, 16 Tests

Parameter	Mean	Std. Dev.
Cylinder Liner Wear (microns)	31.6	4.1
Top Ring Weight Loss (mg)	108	20
Oil Consumption (g/hr)	52.1	7.7
Delta PB at EOT (trans. units)	3.2422	0.2457
Delta PB 250 – 300 h (ppm)	9.3	3.9

Attachments

JAC/jac/mem02-083.jac.doc

c: FMF

JLZ

<ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/memos/mem02-083.pdf>

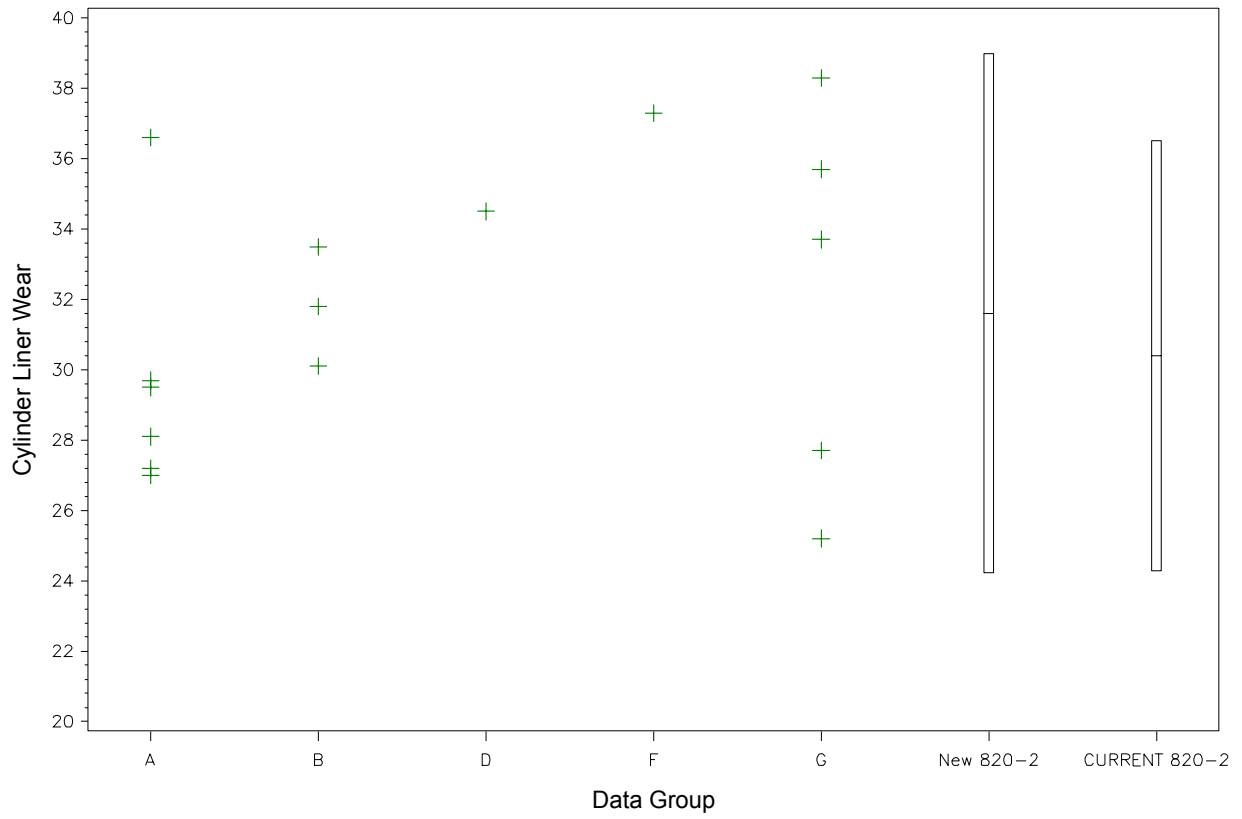
Distribution: Email

**T-10 Target Data Set
Oil 820-2
16 Tests**

TESTKEY	LTMSLAB	LTMSAPP	TESTLEN	IND	PB	CLW	TRWL	OC	PB2
43610	B	1	300	820-2	28	31.8	116	55	11
43608	F	1	300	820-2	29	37.3	165	56.2	10
43602	A	3	300	820-2	30	28.1	98	62.6	15
43659	G	3	300	820-2	22	33.7	97	54.6	9
43603	A	4	300	820-2	18	27.2	96	40	4
43640	A	5	300	820-2	25	36.6	97	44	4
43641	A	7	300	820-2	28	27	107	46.7	9
43606	D	1	300	820-2	31	34.5	122	56.8	11
43807	G	2	300	820-2	18	25.2	111	40.3	5
43642	A	6	300	820-2	23	29.7	89	50.4	5
43643	A	8	300	820-2	18	29.5	121	49.3	8
44317	G	1	300	820-2	27	27.7	106	51.9	8
44320	G	2	300	820-2	40	38.3	83	51.4	15
43649	B	1	300	820-2	32	30.1	90	68.1	14
45184	G	2	300	820-2	19	35.7	102	46.5	6
43650	B	1	300	820-2	33	33.5	124	59.1	14

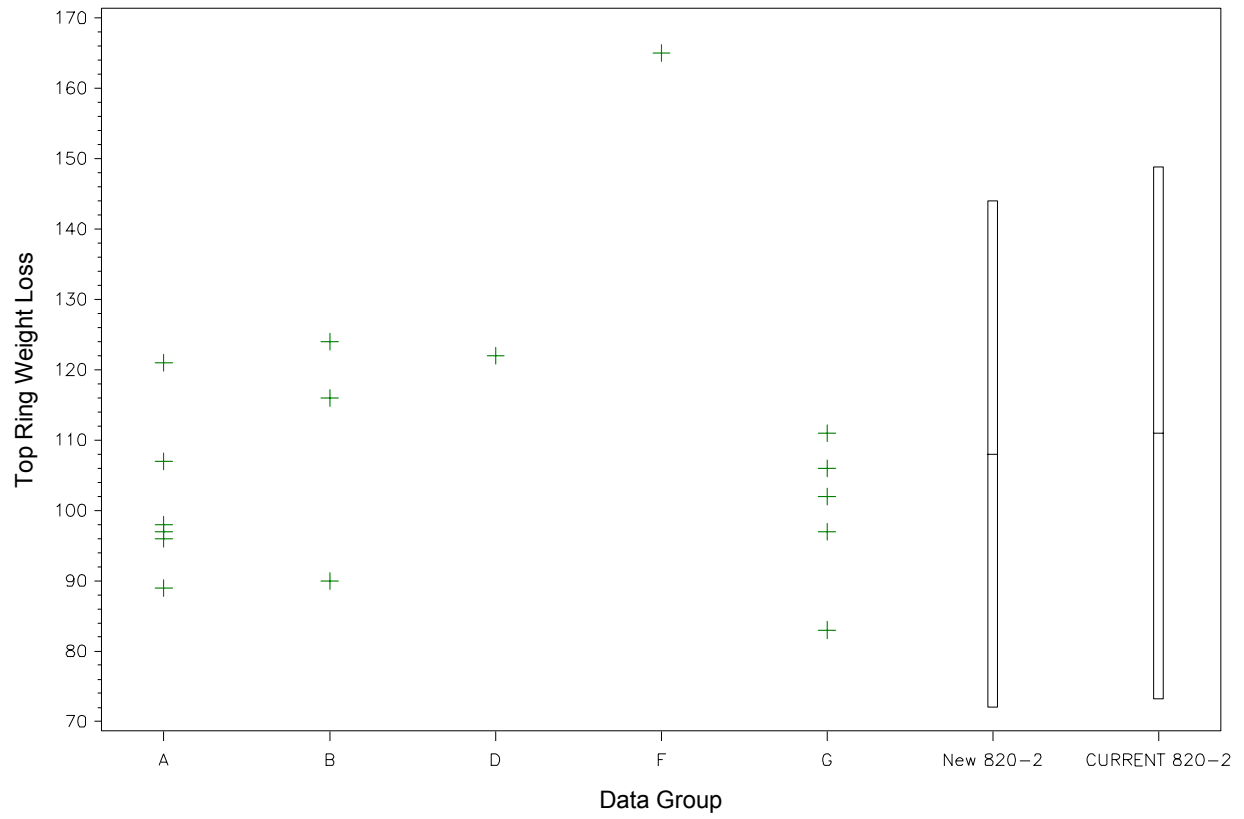
T-10: Reference Oil 820-2
Test Target Data Set and Shewart Severity Limits

Cylinder Liner Wear



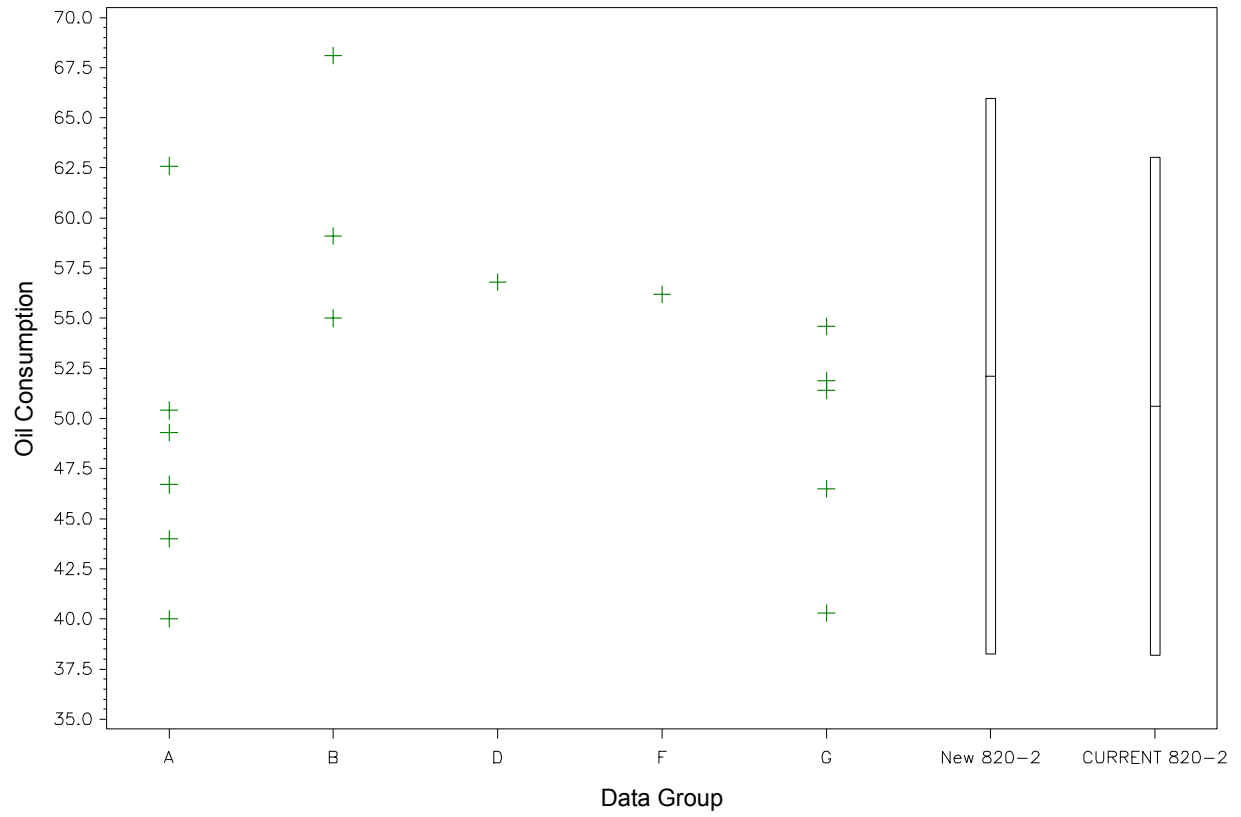
T-10: Reference Oil 820-2
Test Target Data Set and Shewart Severity Limits

Top Ring Weight Loss



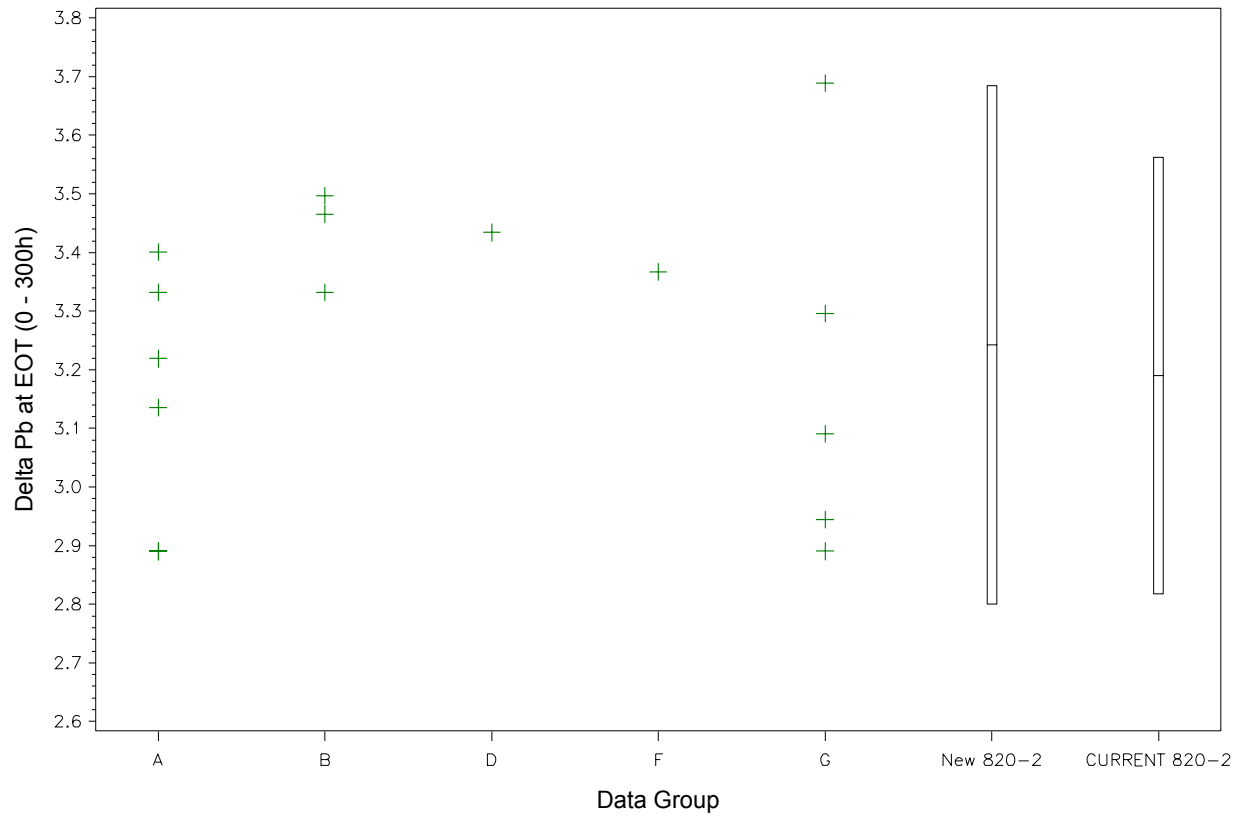
T-10: Reference Oil 820-2
Test Target Data Set and Shewart Severity Limits

Oil Consumption



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

Delta PB at EOT (0 - 300h)



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

Delta PB 250 - 300h

