



MEMORANDUM: 07-046

DATE: August 8, 2007

TO: Cummins Surveillance Panel

FROM: Jeff Clark

SUBJECT: ISB Reference Oil Test Target Update

As approved by the Cummins Surveillance Panel, the fourteen test targets for ISB reference oil 831 are shown in the table below. These targets are effective August 7, 2007. Attached is the ISB target dataset as well as plots showing the lab distribution for all test parameters. Please contact me if you have any questions.

ISB Reference Oil 831 Fourteen Test Targets

Parameter	Mean	Std. Deviation
Average Tappet Weight Loss, mg	97.2	14.8
Average Camshaft Wear, micrometers	42.5	5.0

JAC/jac /mem07-046.jac.doc

c: <ftp://ftp.astmtmc.cmu.edu/docs/diesel/cummins/memos/mem07-046.pdf>

Frank Farber

John Zalar

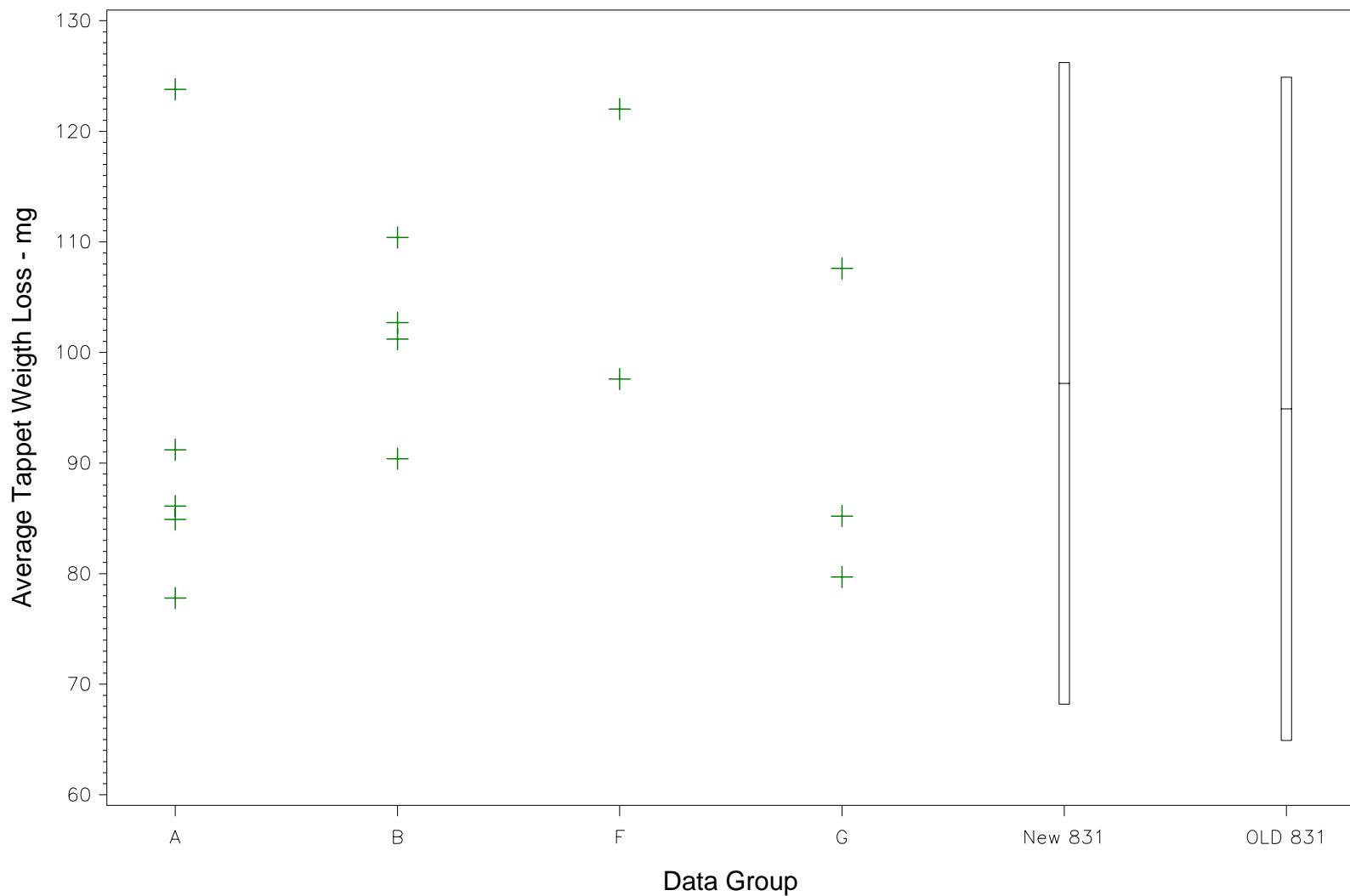
Distribution: email

ISB Reference Oil 831
Fourteen Test Target Dataset

<u>CMIR</u>	<u>LAB</u>	<u>EOT</u>	<u>ACSW</u>	<u>ATWL</u>
55841	G	20050604	44.1	85.2
55851	A	20050606	45.1	84.9
55842	G	20050717	30.8	79.7
55852	A	20050801	42.2	77.8
56950	B	20050907	46.1	110.4
56972	B	20050915	43.1	90.4
58241	A	20060924	52.4	123.8
57939	B	20061113	43.1	102.7
58207	G	20061215	40.9	107.6
58242	A	20061220	40.7	86.1
58239	B	20070219	36.1	101.2
60582	F	20070518	43.5	122
58243	A	20070701	46.2	91.2
60583	F	20070727	40.5	97.6

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

Average Tappet Weight Loss



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

Average Camshaft Wear

