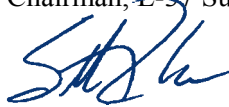




Test Monitoring Center

Carnegie Mellon University
6555 Penn Avenue, Pittsburgh, PA 15206, USA

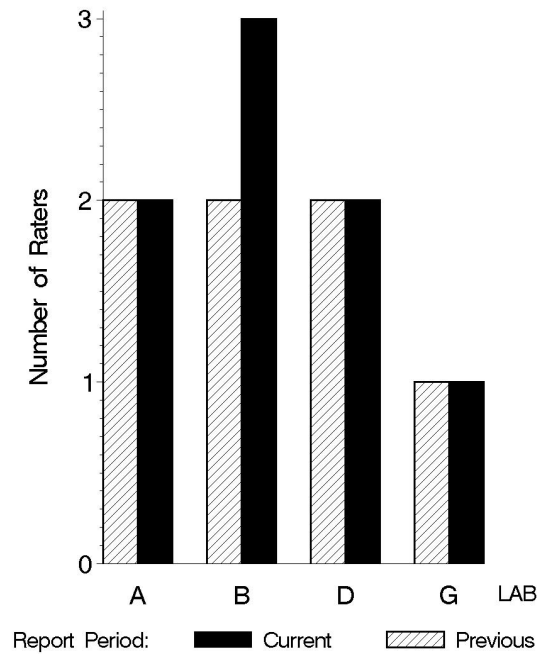
<http://astmtmc.cmu.edu>
412-365-1000

MEMORANDUM: 12-022
 DATE: June 5, 2012
 TO: Wes Venhoff, Chairman, L-37 Surveillance Panel
 FROM: Scott Parke 
 SUBJECT: L-37 Rater Calibration from October 1, 2011 through March 31, 2012

The following is a summary of L-37 rater calibration activity from October 1, 2011 through March 31, 2012.

	Reporting Data	Calibrated on 3-31-2012
Number of Raters	8	8

BY-LAB RATER
DISTRIBUTION



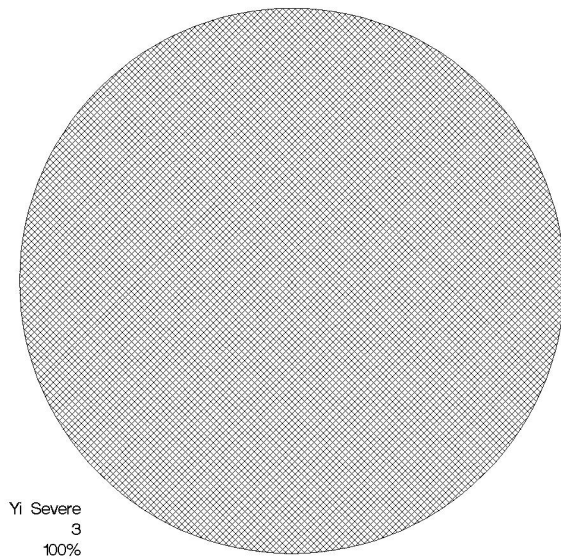
Test Distribution by Validity

		Totals	
		Last Period	This Period
Accepted for calibration	AC	8	10
Rejected (mild)	OC	1	0
Rejected (severe)	OC	1	3
Rejected (multiple)	OC	1	0
Workshop data	AG	18	24
Total		29	37

CAUSE OF REJECTED TESTS

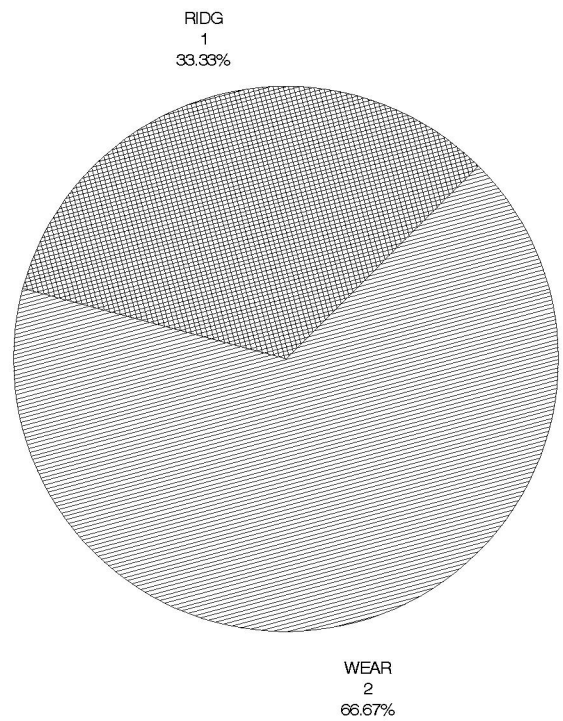
DISTRIBUTION OF FAILING TESTS

(By Alarm Type)



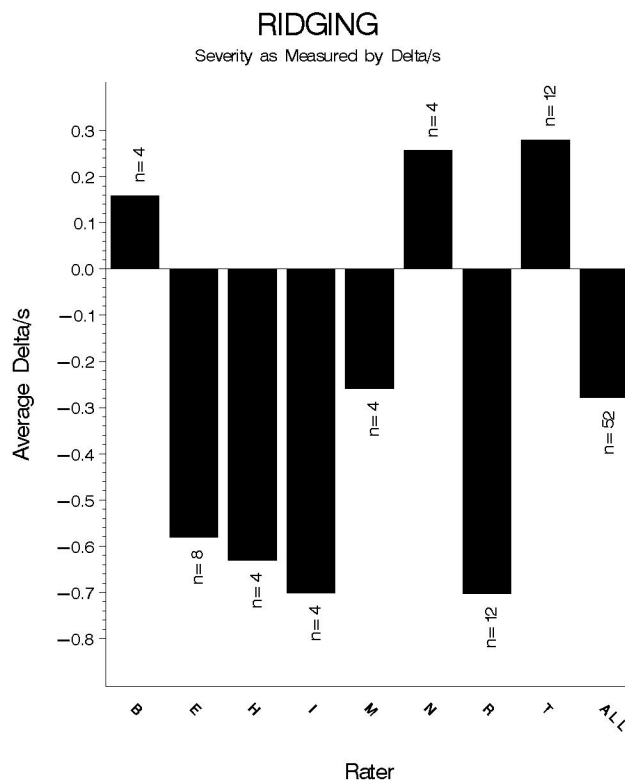
DISTRIBUTION OF FAILING TESTS

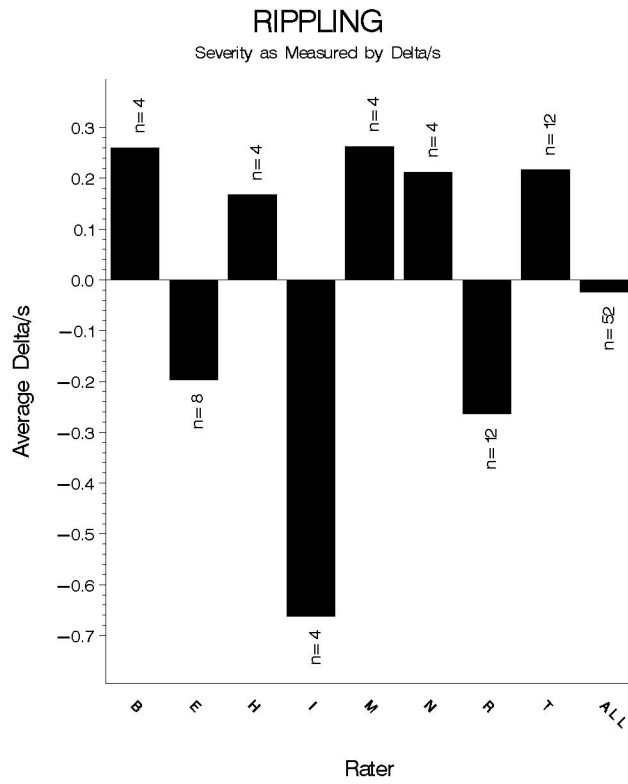
(By Test Parameter)



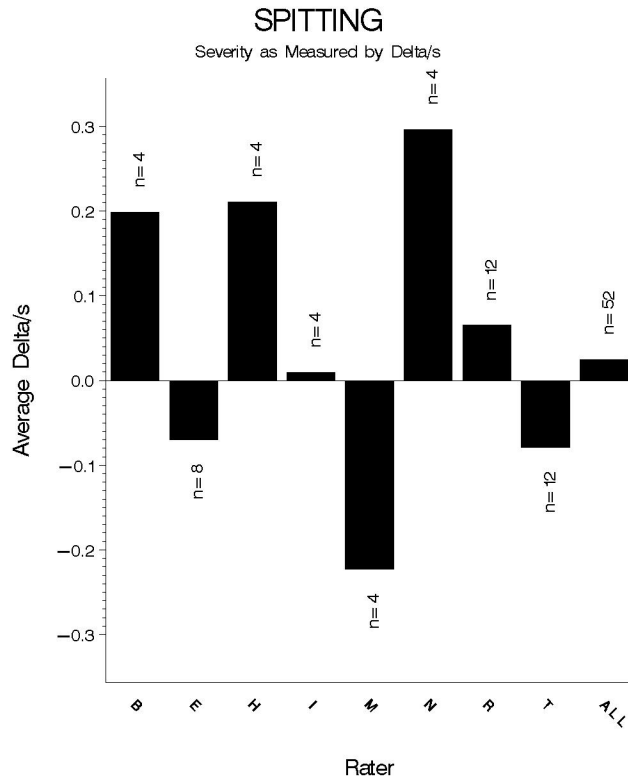
Rater	N	Ridging		Rippling		Spitting		Wear	
		Avg Yi	STD*	Avg Yi	STD*	Avg Yi	STD*	Avg Yi	STD*
B	4	0.158	0.367	0.259	0.056	0.198	0.231	0.741	1.347
E	8	-0.579	1.097	-0.195	0.947	-0.069	0.875	-0.307	1.040
H	4	-0.629	0.307	0.166	1.270	0.210	0.488	-0.157	0.753
I	4	-0.700	0.974	-0.660	0.347	0.009	0.528	-0.610	1.140
M	4	-0.258	0.188	0.262	1.051	-0.222	0.257	0.009	0.675
N	4	0.255	0.774	0.211	1.256	0.296	0.215	-0.146	0.790
R	12	-0.702	0.855	-0.262	1.271	0.064	0.633	0.210	1.016
T	12	0.278	0.581	0.215	0.667	-0.078	0.420	-1.371	1.983
ALL	52	-0.277	0.832	-0.023	0.954	0.024	0.538	-0.328	1.390

* Due to the small number of ratings per pinion, the standard deviation of the Yi values is given in place of a pooled standard deviation.

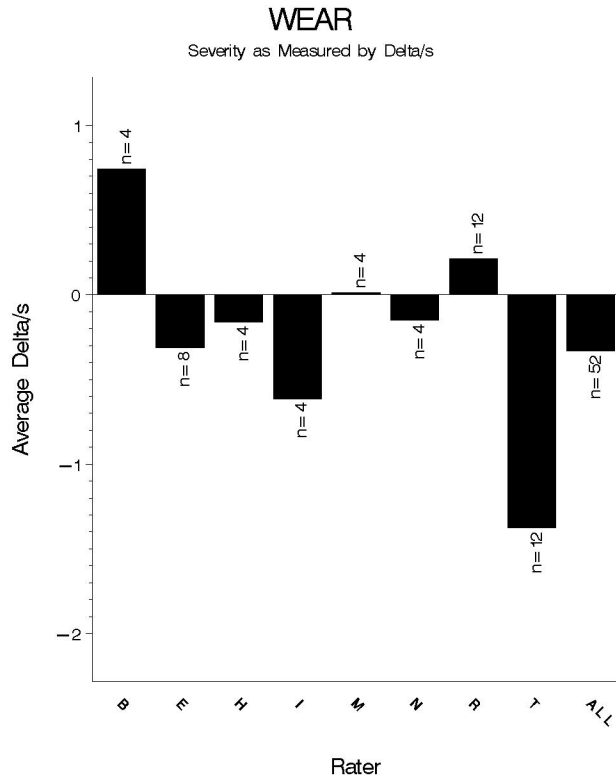




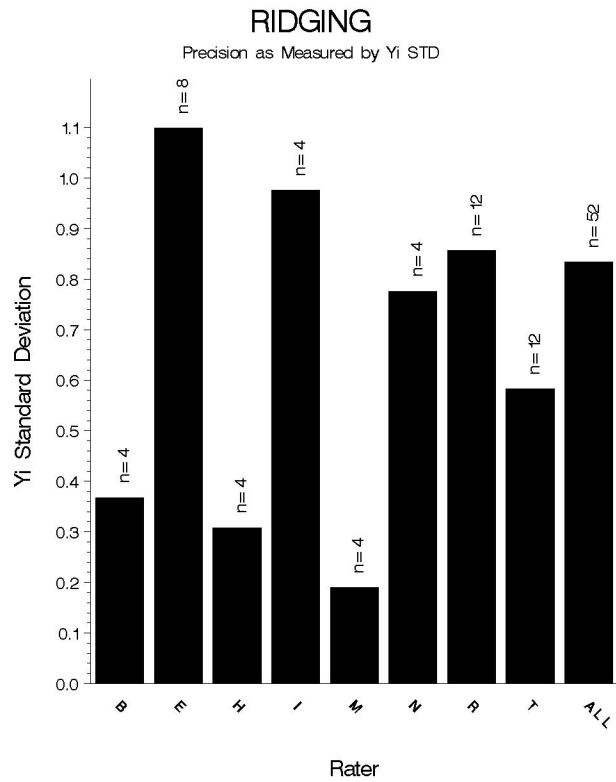
9:10:49 04JUN2012



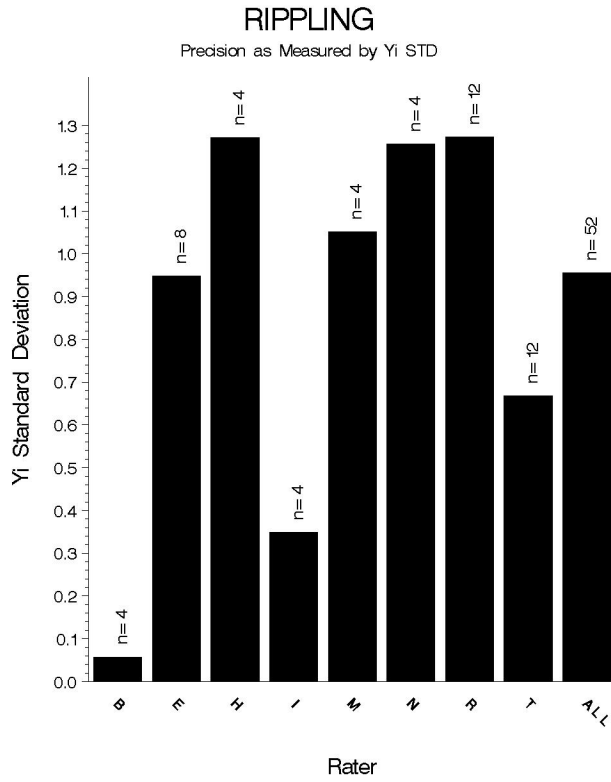
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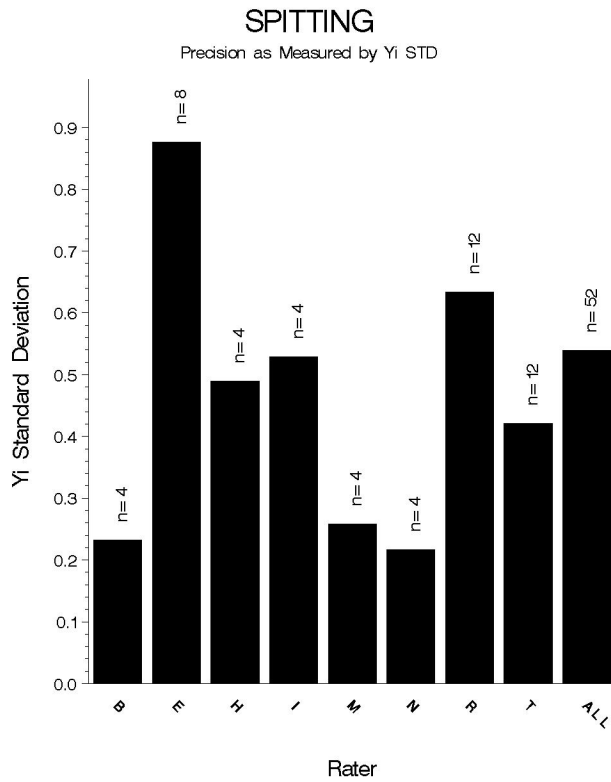
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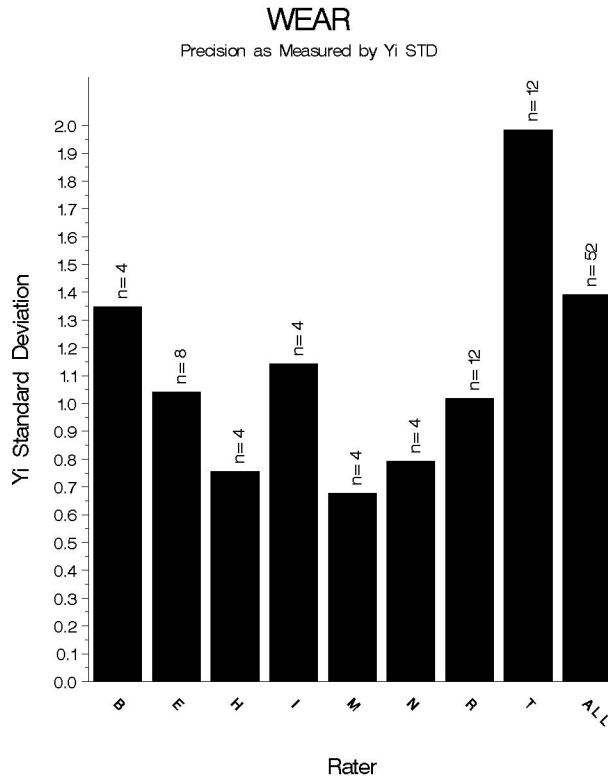
9:10:49 04JUN2012



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9:10:49 04JUN2012



9:10:49 04JUN2012

INDUSTRY CONTROL CHARTS:

The industry control charts are shown beginning on the following page.

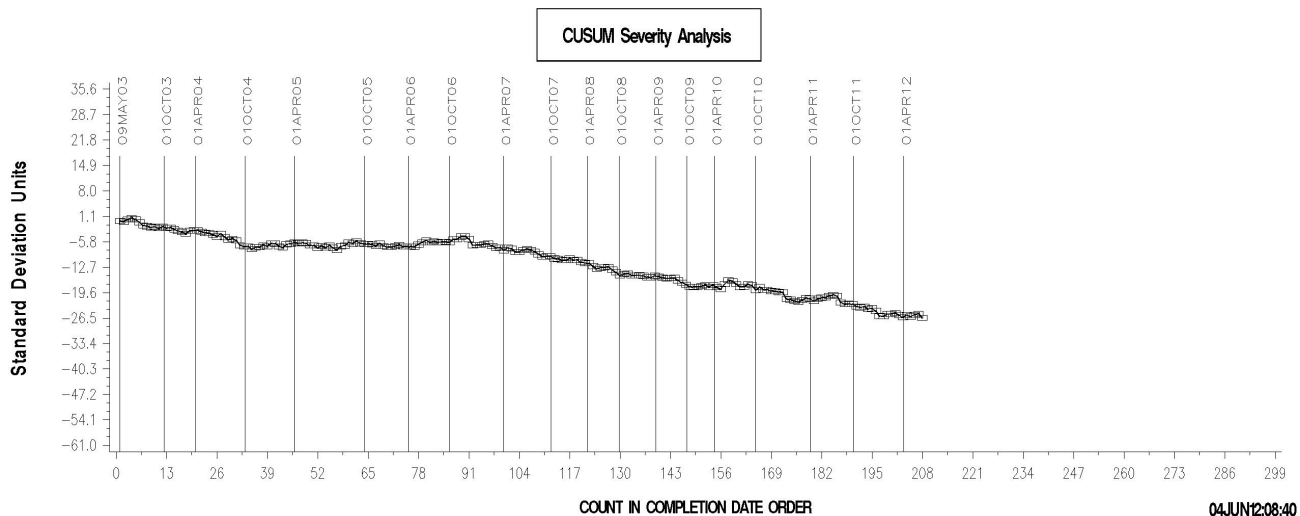
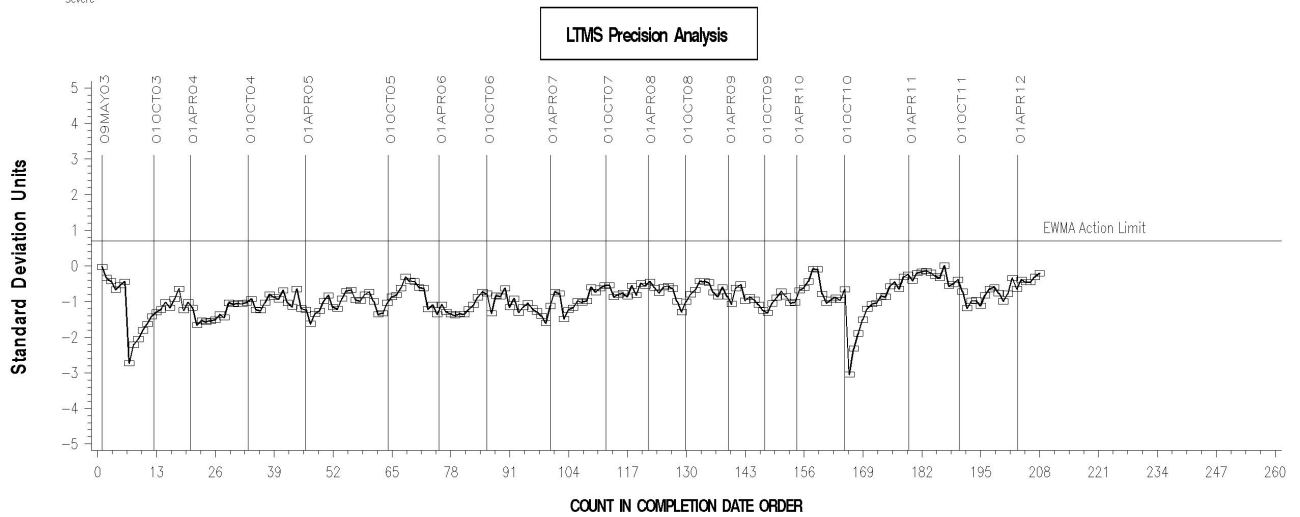
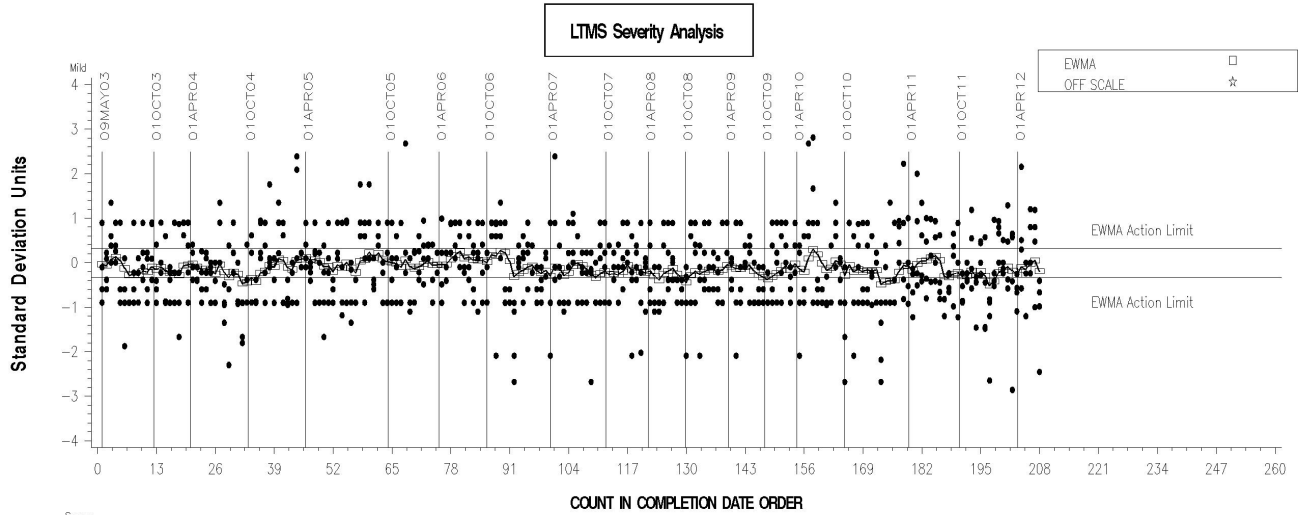
During this report period, industry performance for RIDG continued its long-standing severe trend while WEAR was erratic. RIPP and SPIT performance remained largely on target. All parameters remained within precision control limits.

The March, 2011 target update seems to have increased variability somewhat on all parameters.

L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



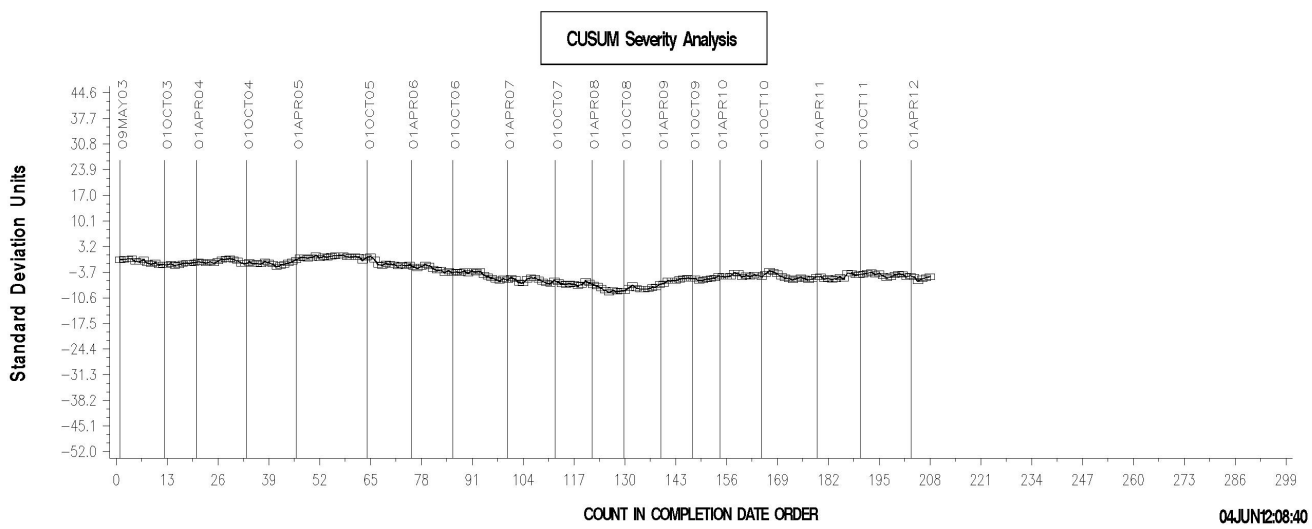
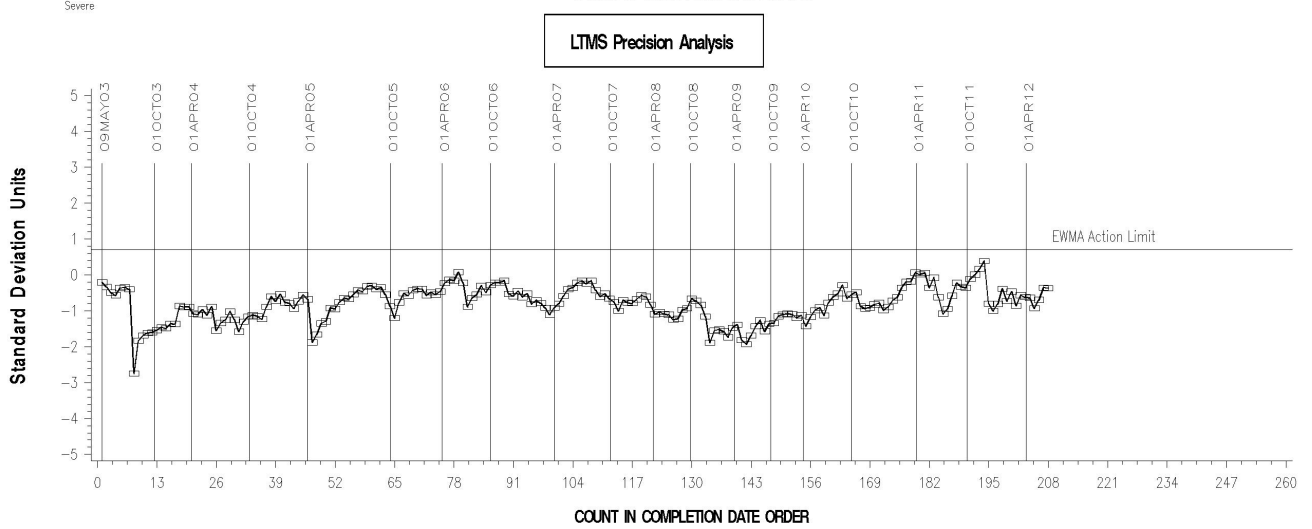
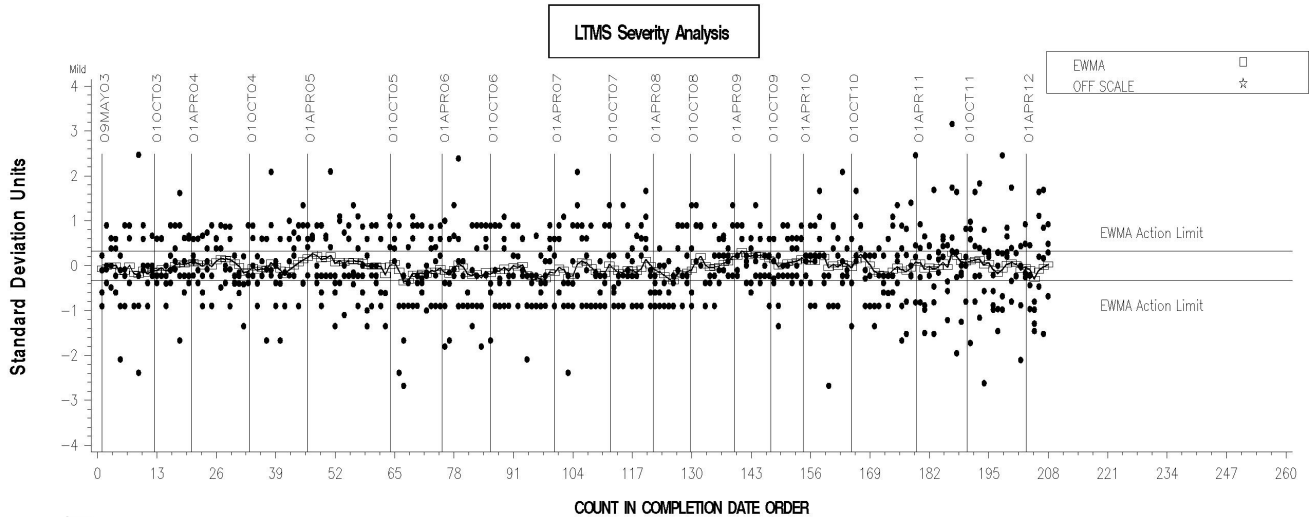
RIDGING



L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



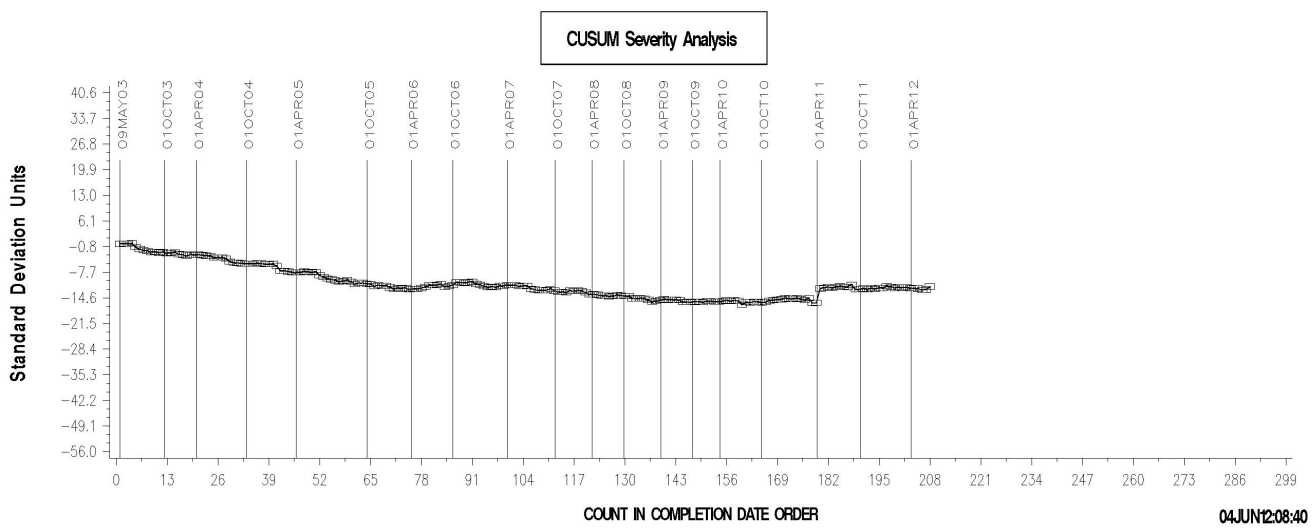
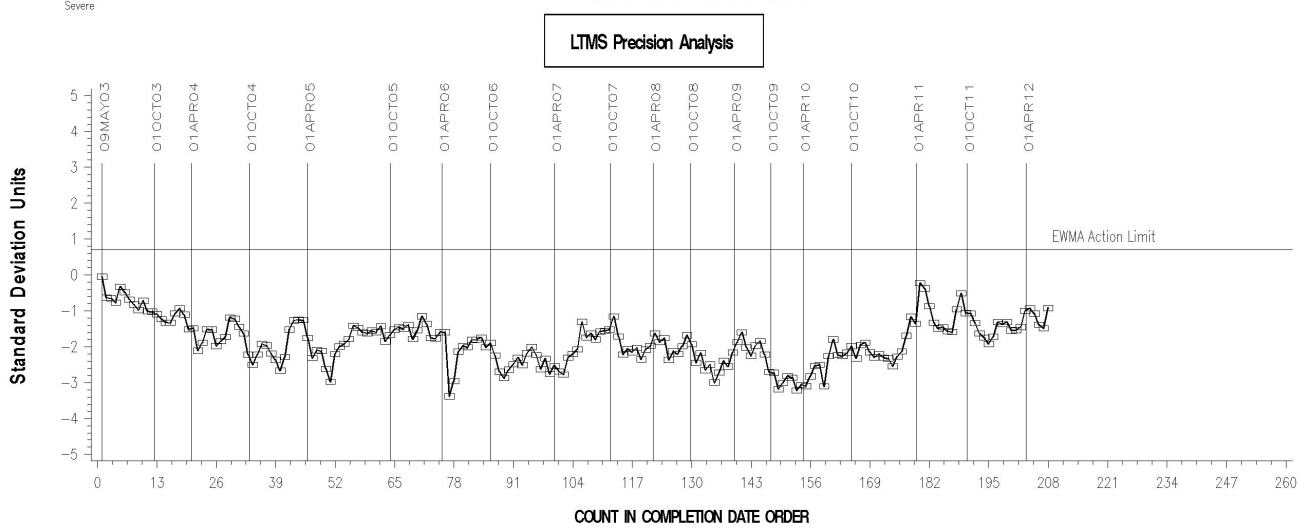
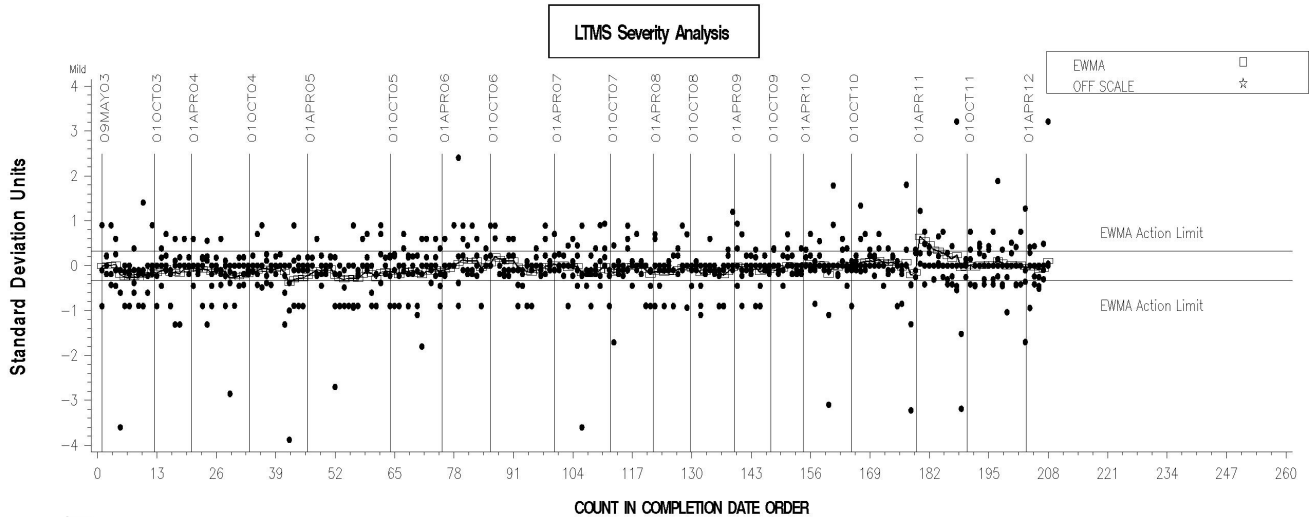
RIPPLING



L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



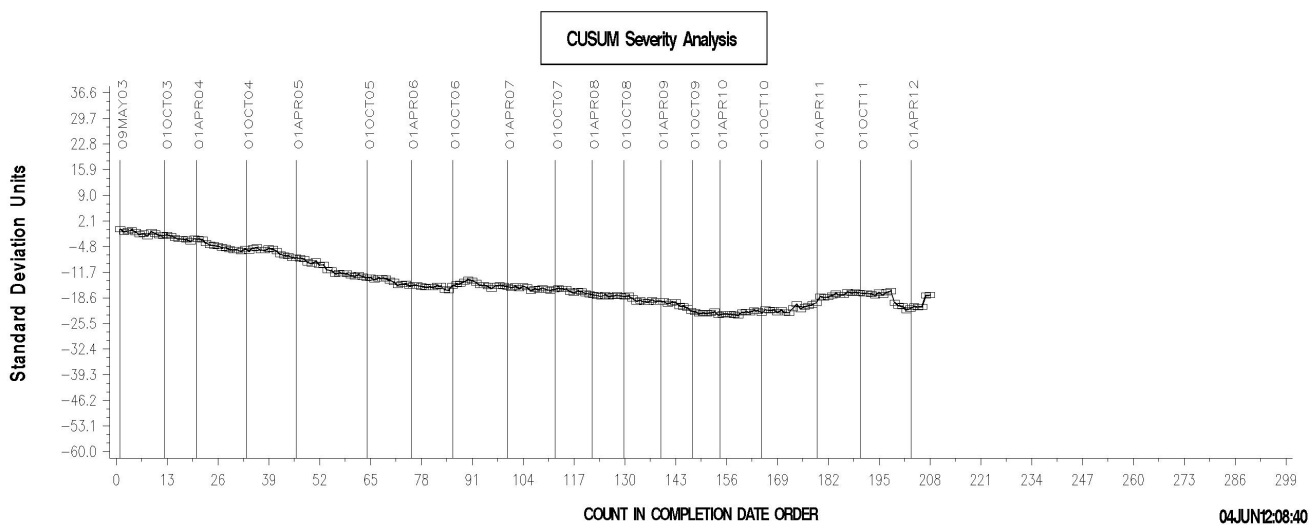
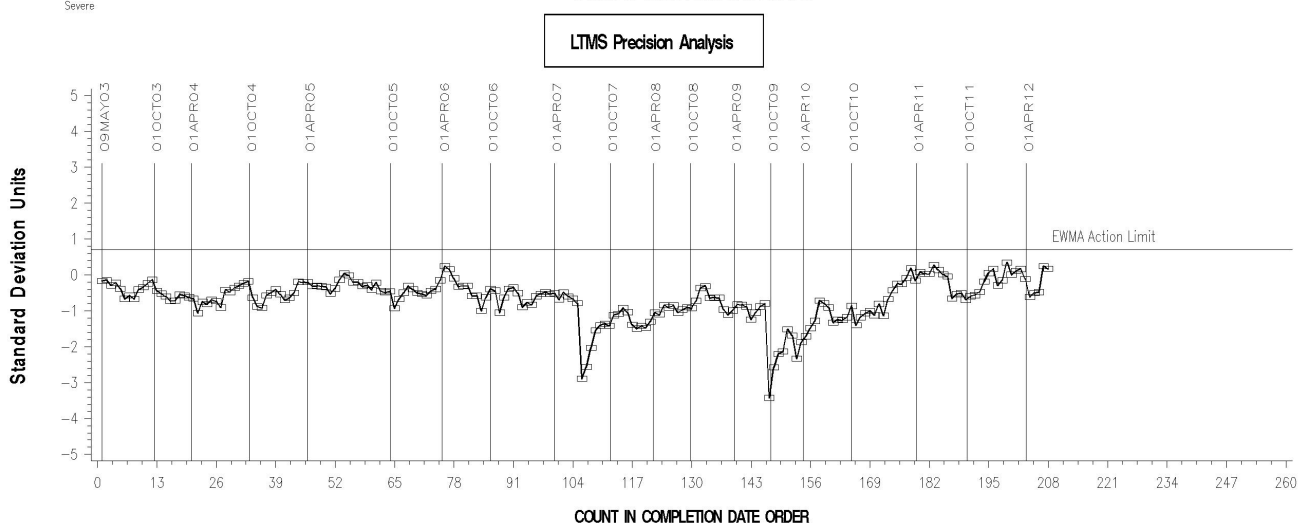
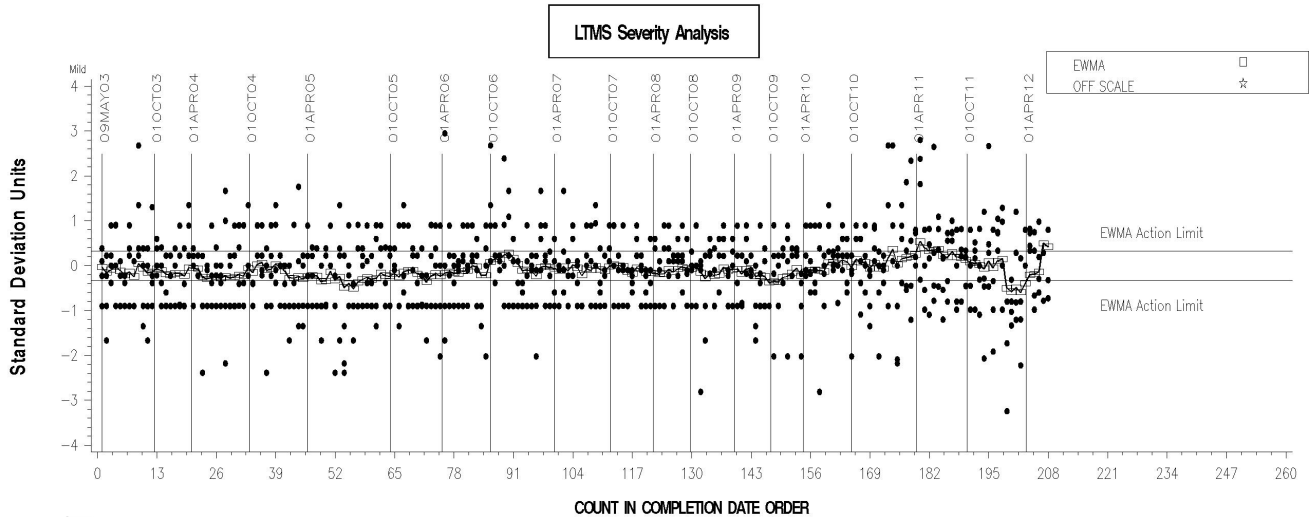
SPITTING



L-37 RATER CALIBRATION INDUSTRY OPERATIONALLY VALID DATA



WEAR



Memo 12-022

Page 12

SDP/sdp/mem12-022.sdp.docx

cc: Frank Farber

Jeff Clark

<ftp://ftp.astmtmc.cmu.edu/docs/gears/137rc/semiannualreports/137rc-04-2012.pdf>

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