



Test Monitoring Center

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

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

MEMORANDUM: 18-019

DATE: June 15, 2018

TO: L-37 Surveillance Panel

FROM: Dylan Beck *Dylan Beck*

SUBJECT: Updated reference oil targets for V1L528 hardware, lubricated & nonlubricated, L-37

During a June 7th 2018 surveillance panel meeting new reference oil targets were voted on and approved by the panel. These targets are in effect for all testing completed on or after June 7, 2018 (the date of approval by the surveillance panel). Plots are attached and data used to generate these targets are available for download from the following link:

[L37 Target Dataset for TMC Memo 18-019](#)

TMC IND	Hardware	Parameter	Mean	Std.	Acceptance Band
134	Lubricated	RIDG	7.214	0.802	6 - 8
		RIPP	7.429	1.284	6 - 9
		WEAR	6.357	0.497	6 - 7
		SPIT	9.364	1.302	7.0 - 10.0
	Nonlubricated	RIDG	6.182	1.328	4 - 8
		RIPP	8.364	0.809	7 - 9
		WEAR	5.545	0.820	5 - 7
		SPIT	4.364	3.491	0.0 - 10.0
152-2	Lubricated	RIDG	6.500	1.769	4 - 9
		RIPP	8.792	0.833	8 - 10
		WEAR	6.208	0.833	5 - 7
		SPIT	8.533	1.720	6.0 - 10.0
	Nonlubricated	RIDG	7.583	1.832	5 - 10
		RIPP	8.917	0.669	8 - 10
		WEAR	6.500	0.522	6 - 7
		SPIT	8.883	1.872	6.0 - 10.0
155-1	Lubricated	RIDG	8.286	0.825	7 - 9
		RIPP	8.786	0.699	8 - 10
		WEAR	6.929	0.267	6 - 7
		SPIT	9.893	0.027	9.8 - 9.9
	Nonlubricated	RIDG	8.714	0.611	8 - 9
		RIPP	8.714	0.726	8 - 10
		WEAR	6.714	0.469	6 - 7
		SPIT	9.514	1.038	8.0 - 10.0

Bands highlighted in red were agreed to be expanded by the surveillance panel on 20180607

DJB/djb/mem18-019.djb.doc

cc: Frank Farber
Jeff Clark
Scott Parke

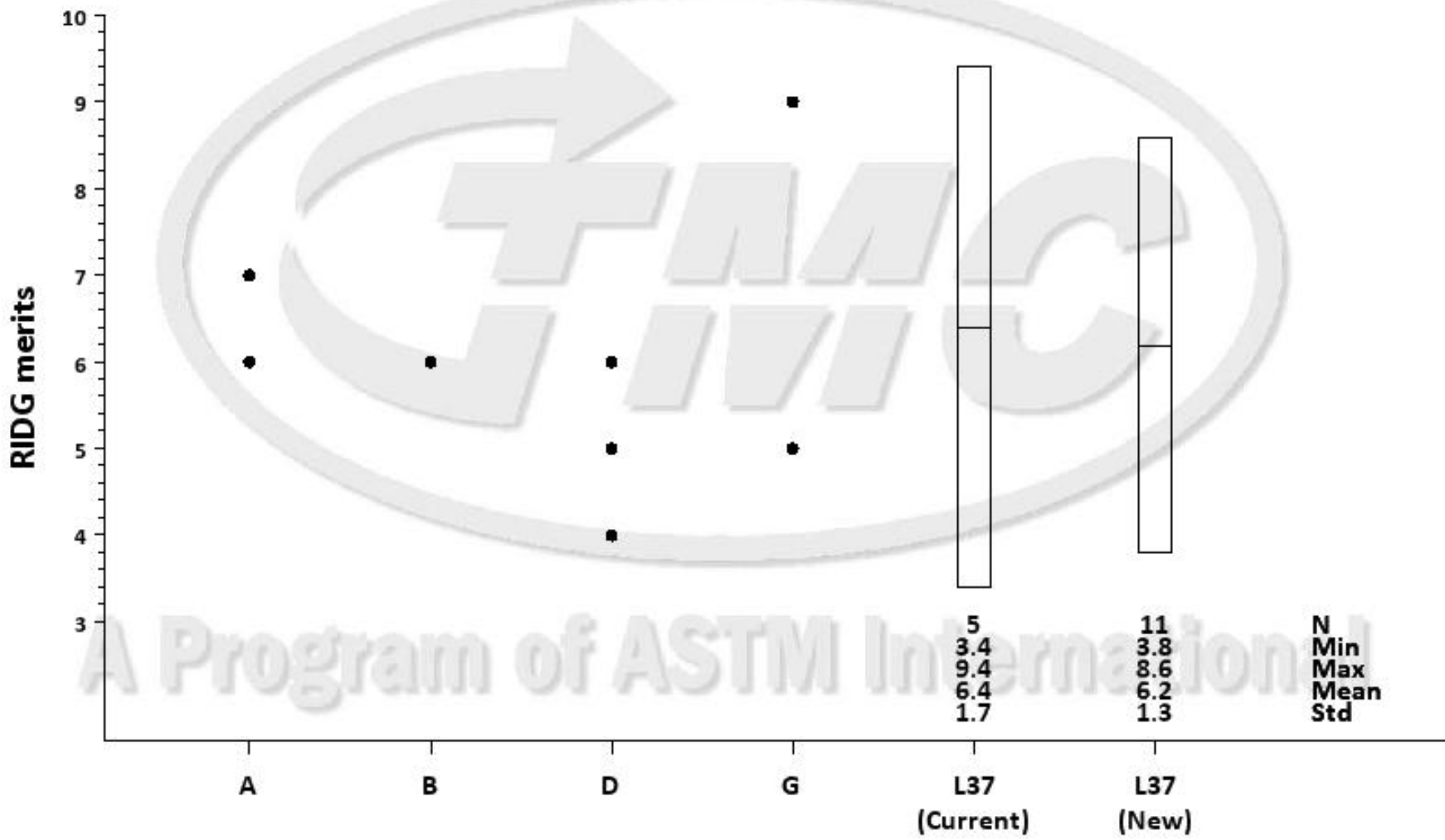
<http://www.astmtmc.cmu.edu/ftp/docs/gear/137/memos/mem18-019.djb.pdf>

Distribution: email

L-37 NONLUBRITED Hardware

Oil 134 Test Target Data Set and Shewart Severity Limits

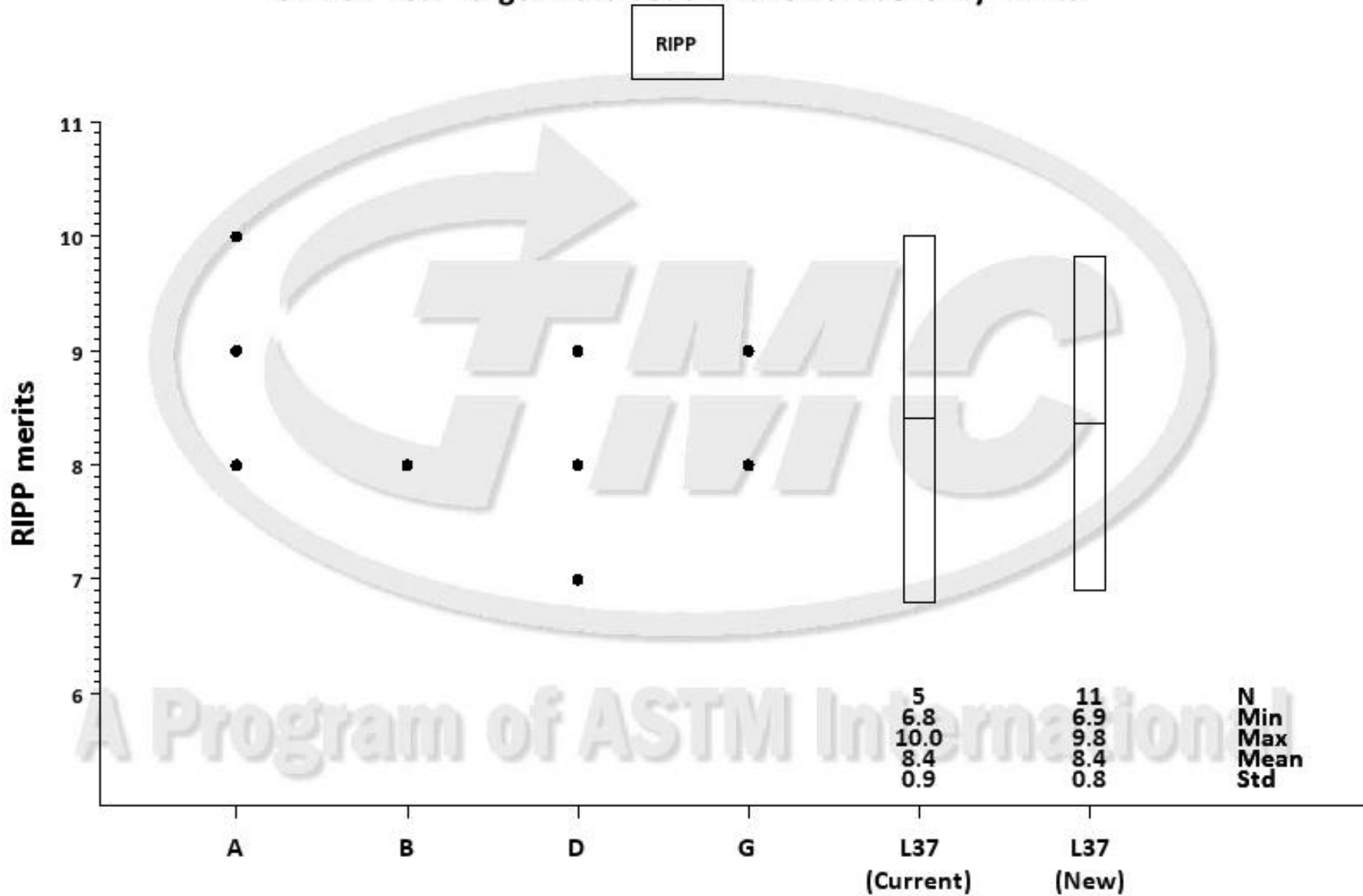
RIDG



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L-37 NONLUBRITED Hardware

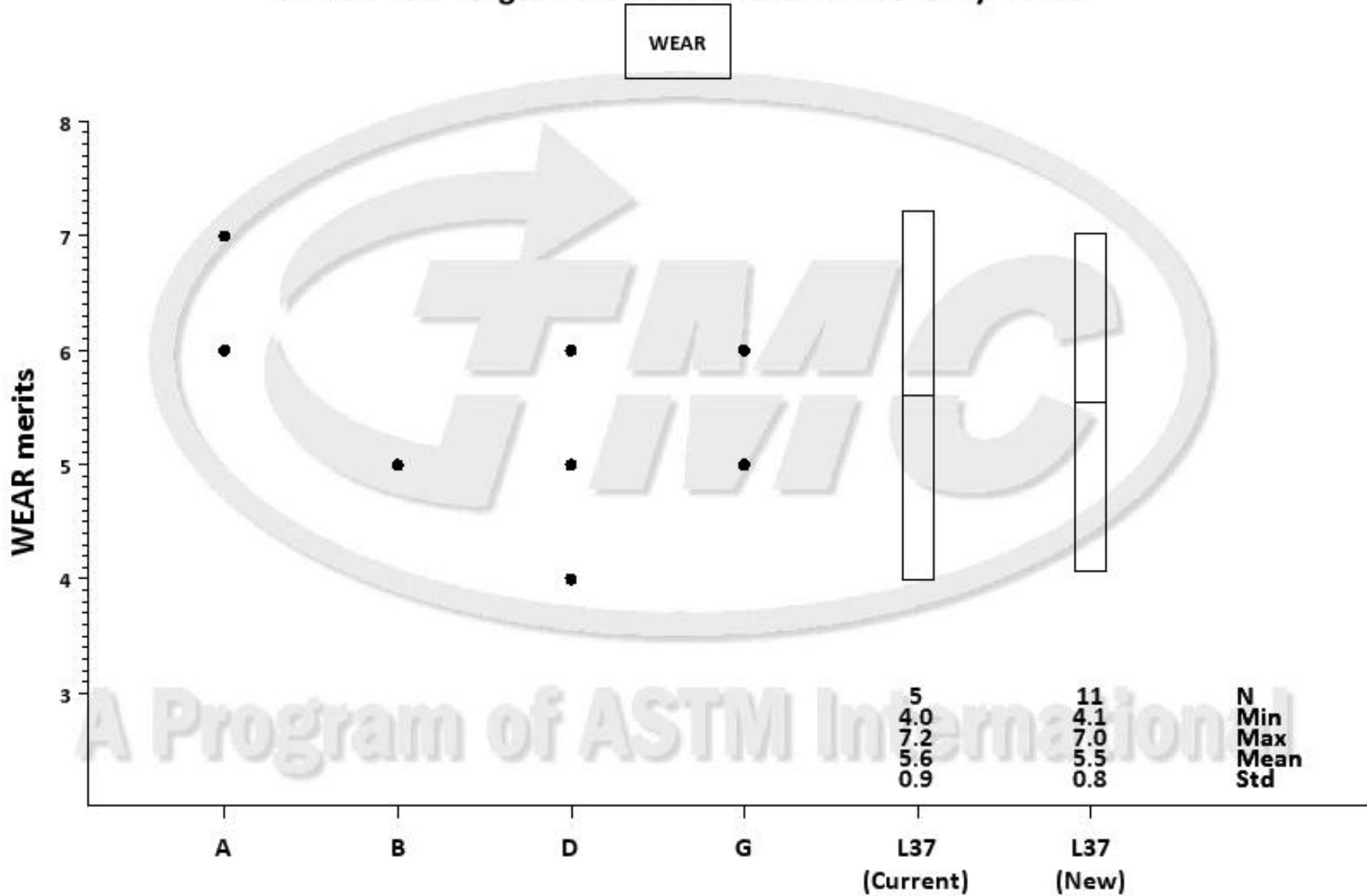
Oil 134 Test Target Data Set and Shewart Severity Limits



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L-37 NONLUBRITED Hardware

Oil 134 Test Target Data Set and Shewart Severity Limits



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Test Monitoring Center

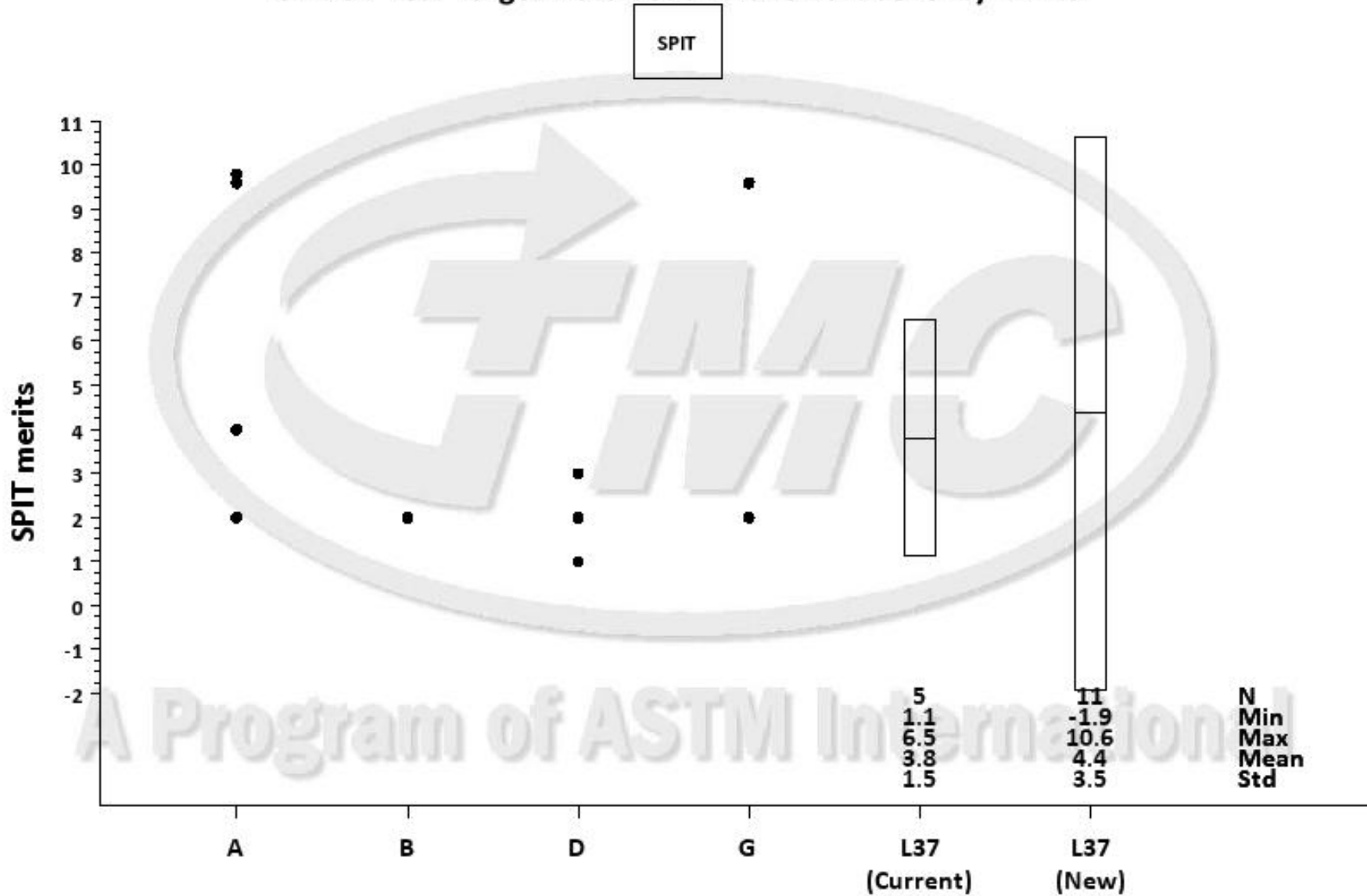
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Oil 134 Test Target Data Set and Shewart Severity Limits



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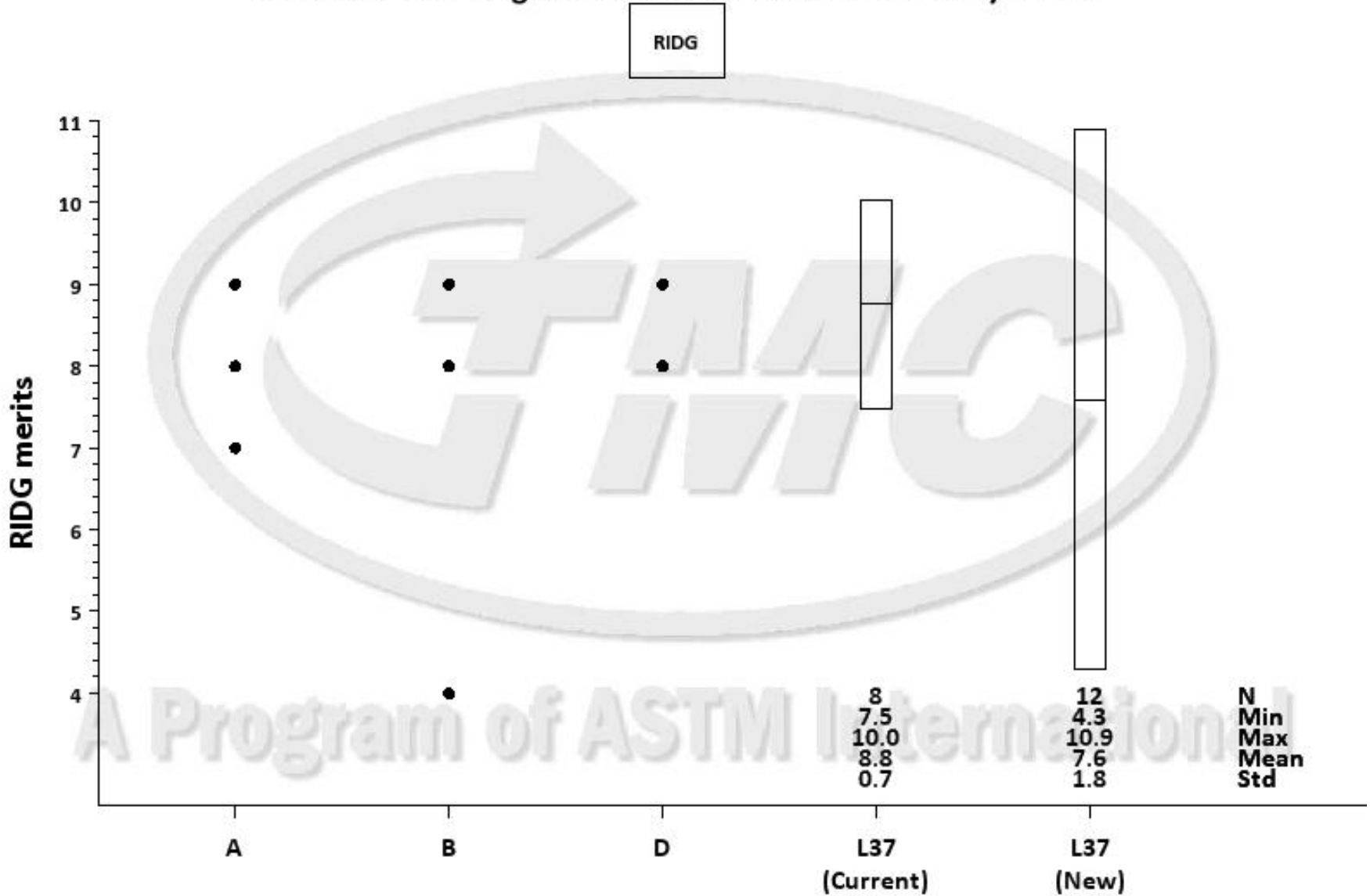
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Oil 152-2 Test Target Data Set and Shewart Severity Limits



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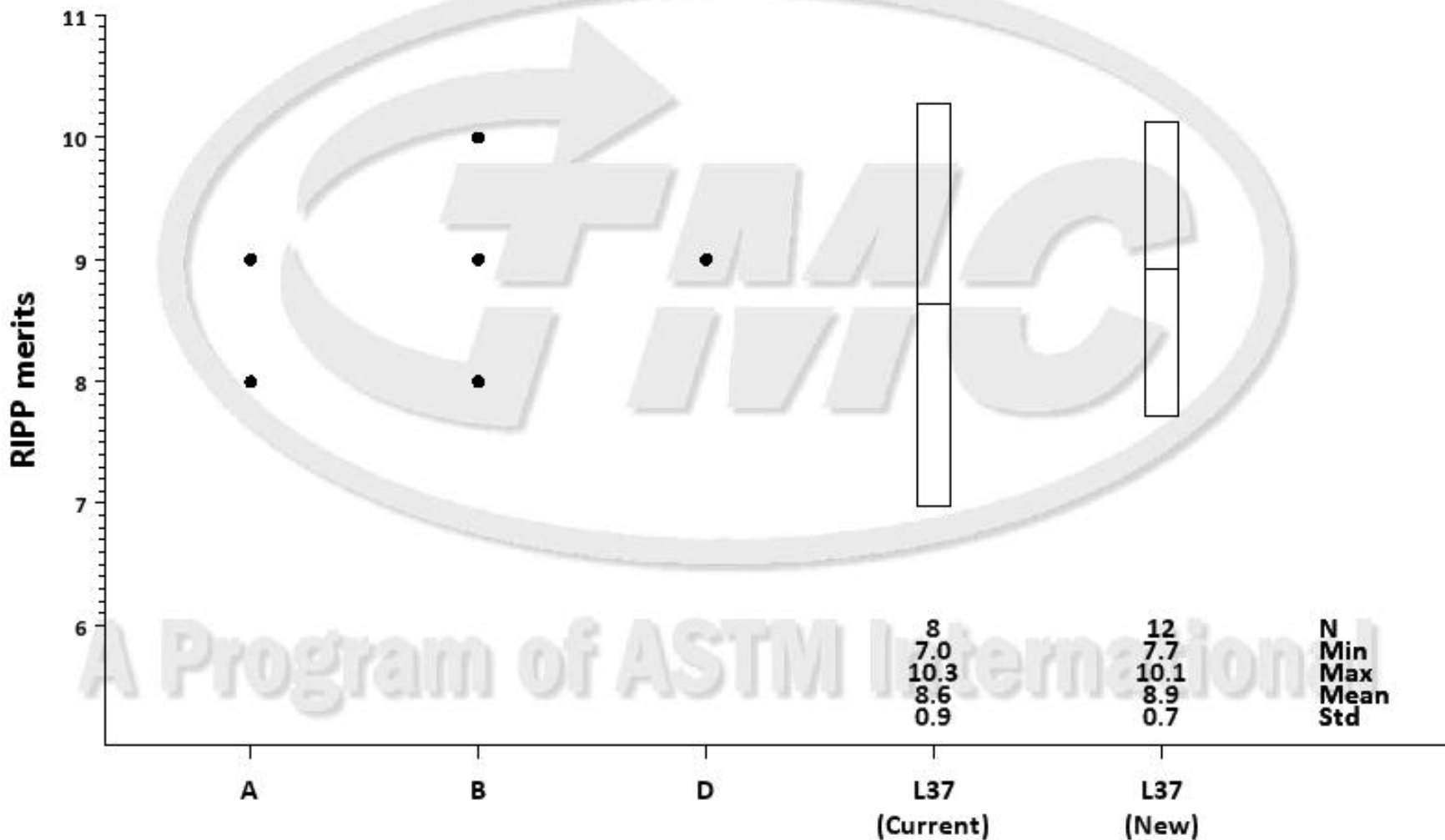


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Oil 152-2 Test Target Data Set and Shewart Severity Limits

RIPP



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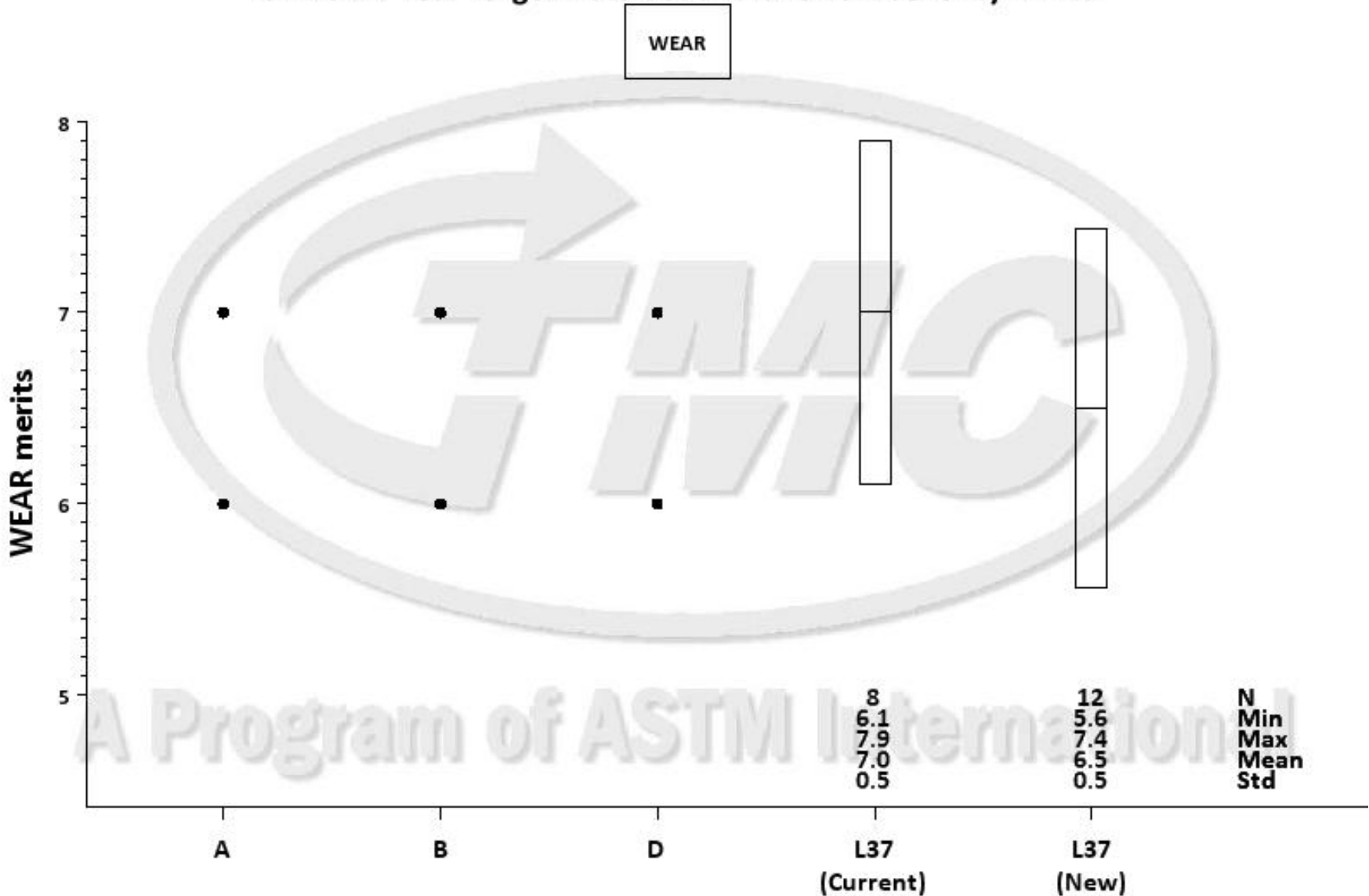
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Oil 152-2 Test Target Data Set and Shewart Severity Limits



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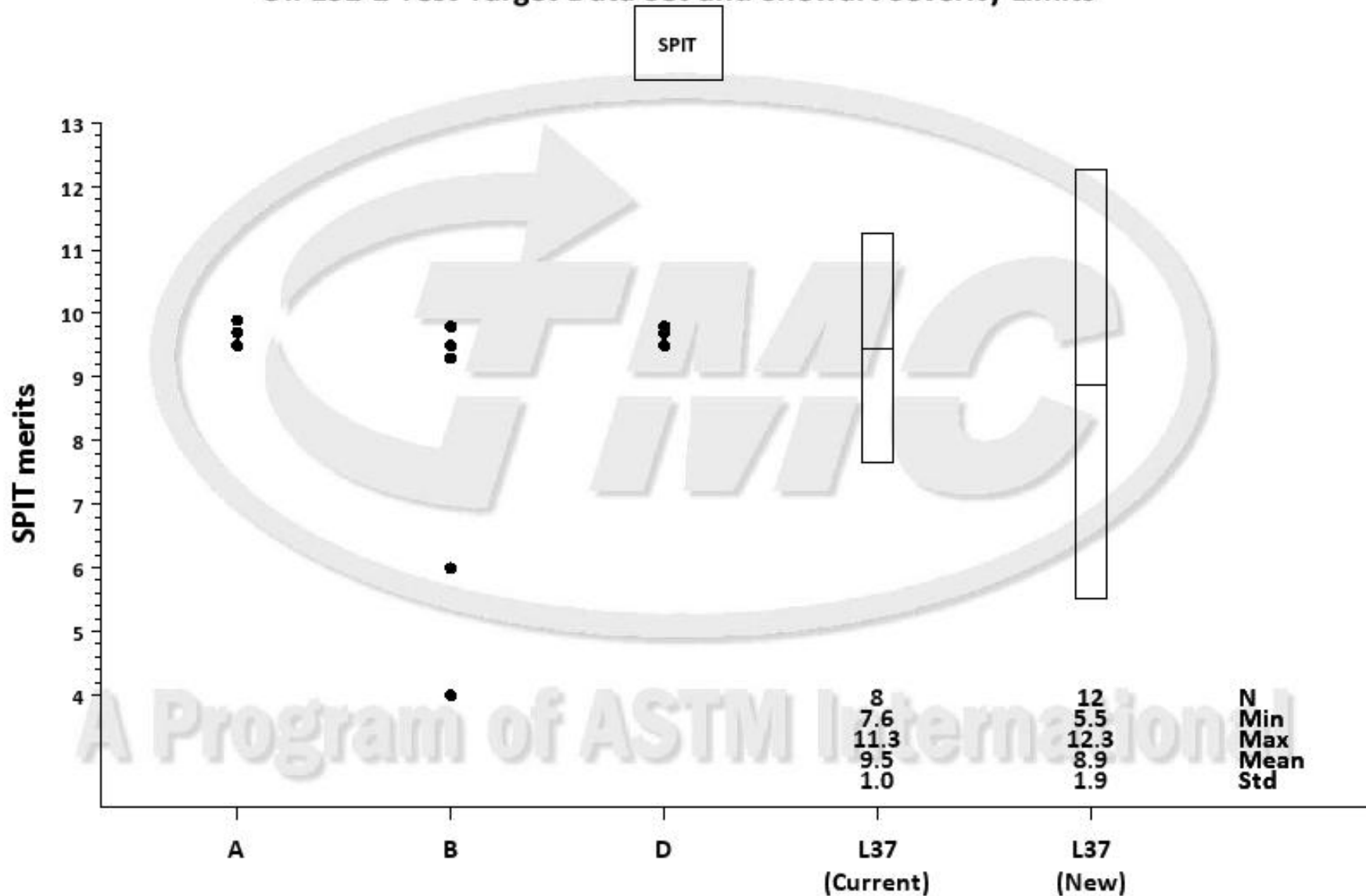
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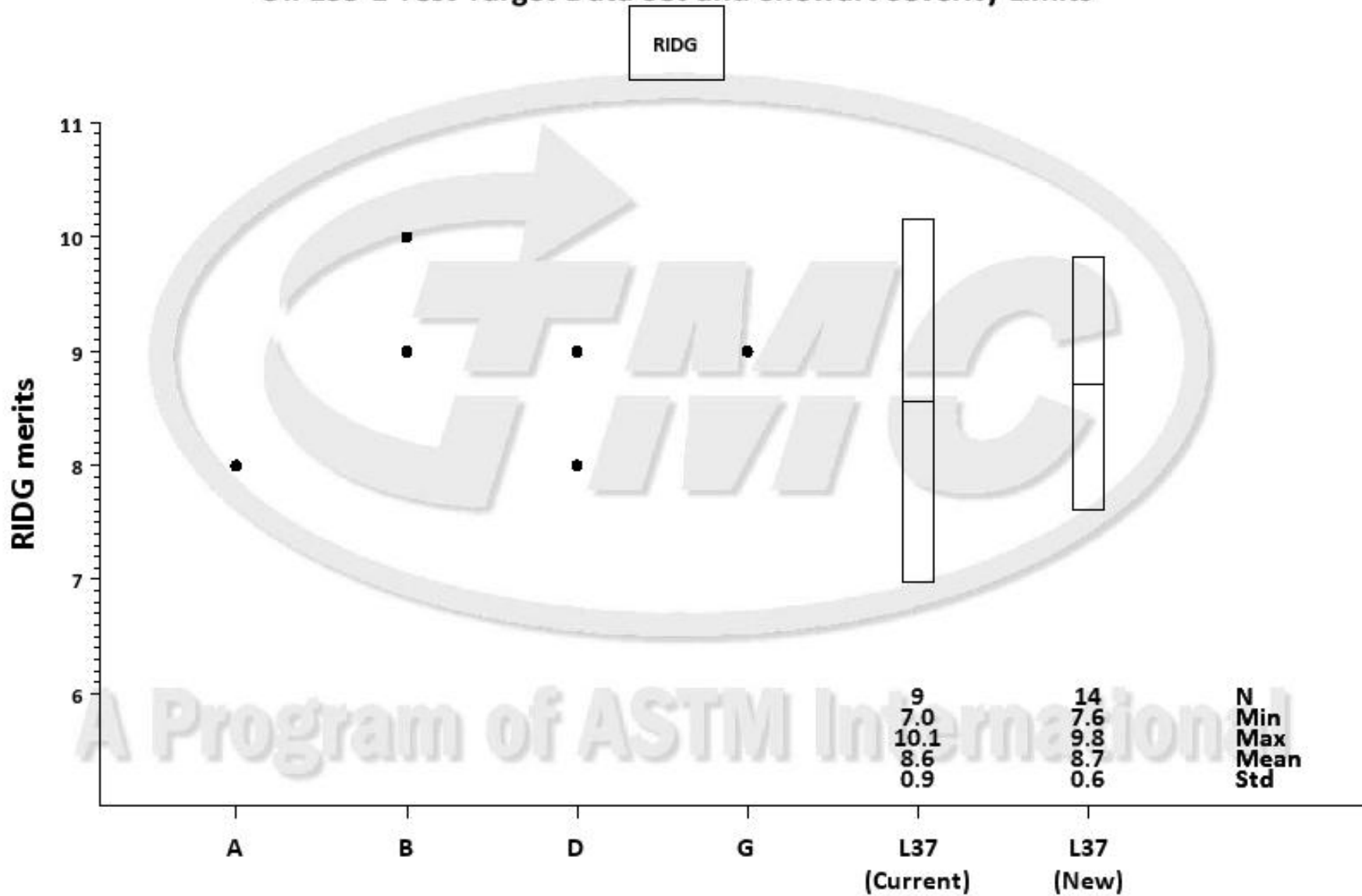
Oil 152-2 Test Target Data Set and Shewart Severity Limits



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Oil 155-1 Test Target Data Set and Shewart Severity Limits



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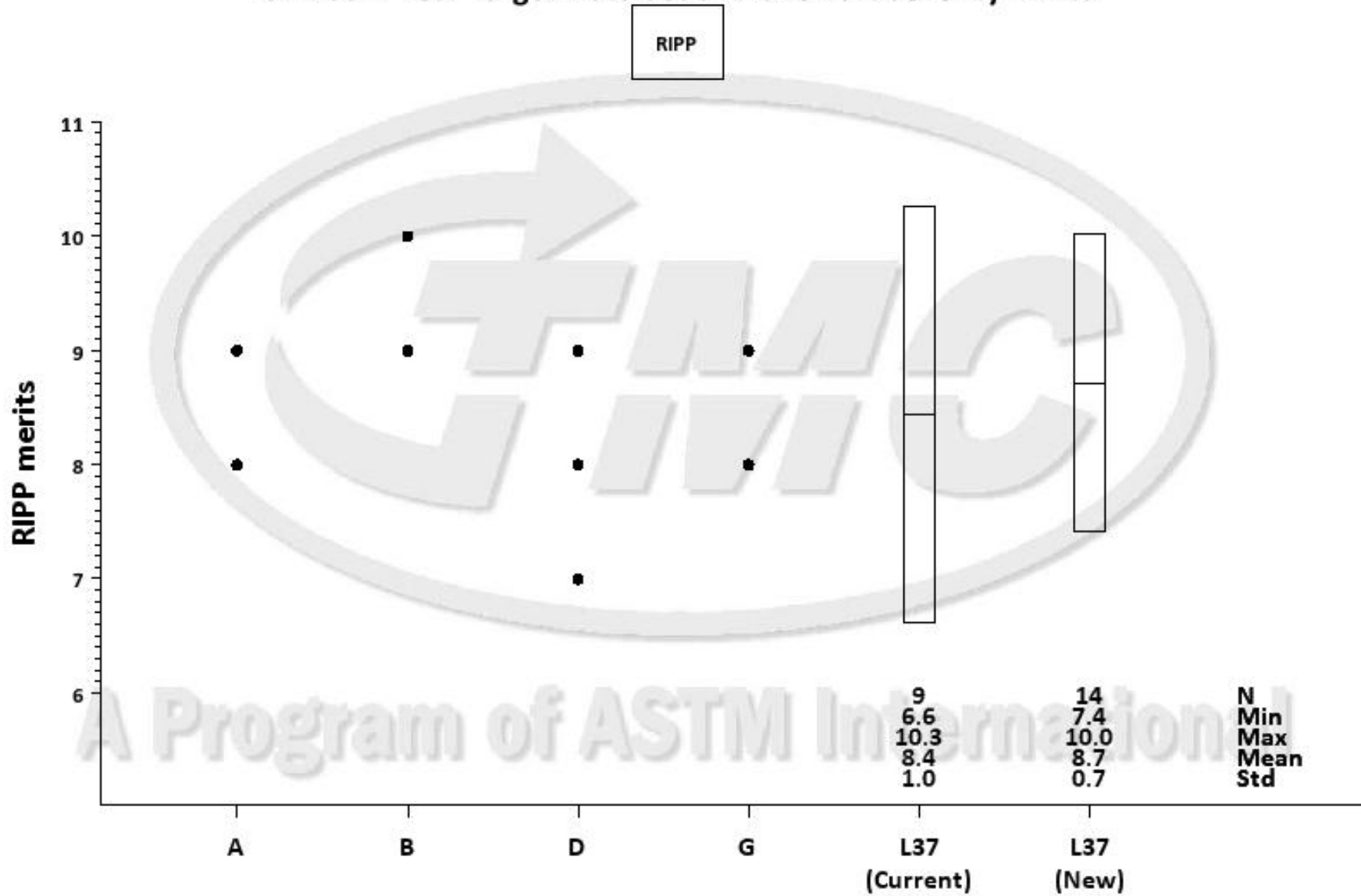
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Oil 155-1 Test Target Data Set and Shewart Severity Limits



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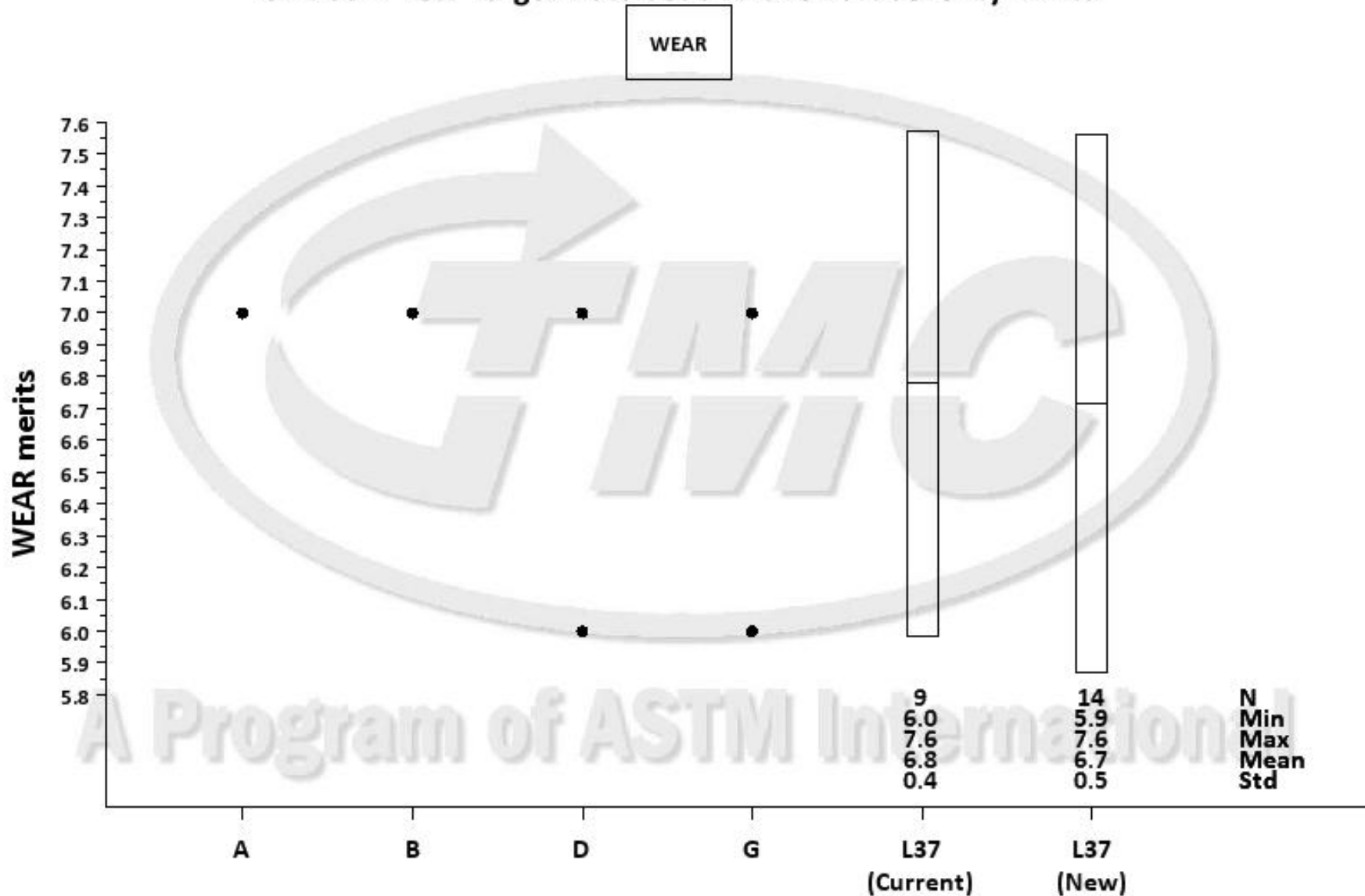
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Oil 155-1 Test Target Data Set and Shewart Severity Limits



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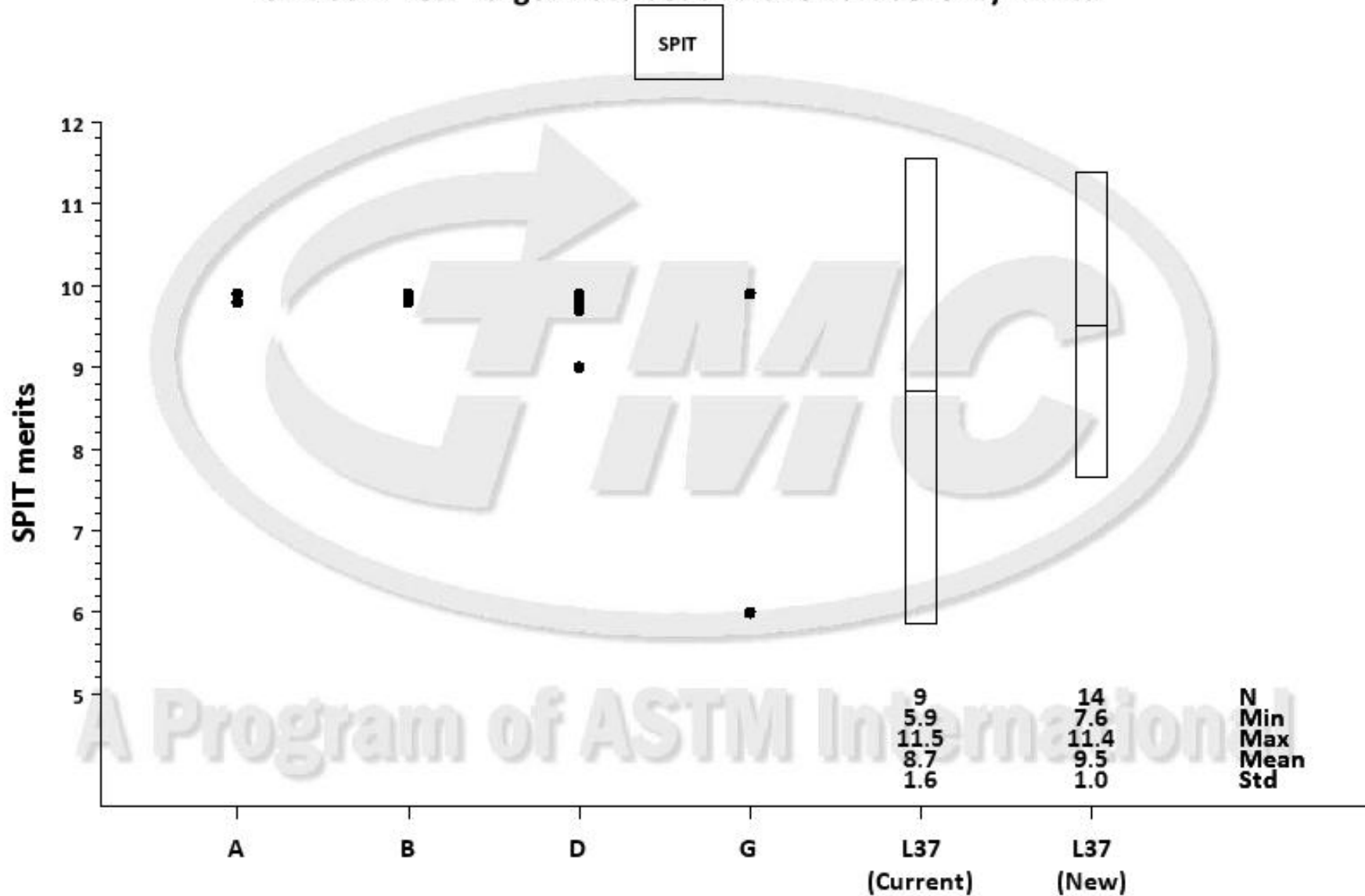
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Oil 155-1 Test Target Data Set and Shewart Severity Limits



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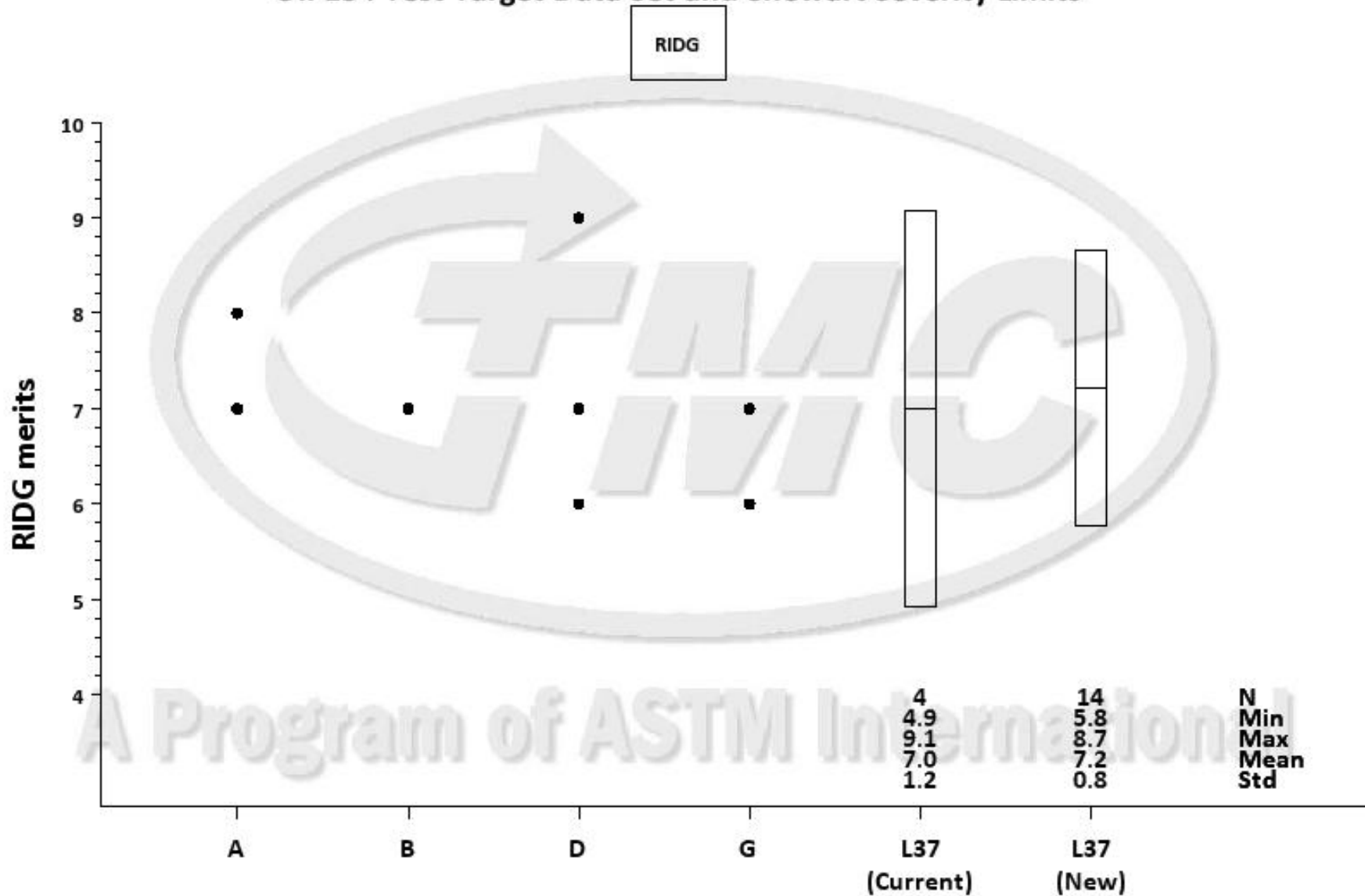
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Oil 134 Test Target Data Set and Shewart Severity Limits



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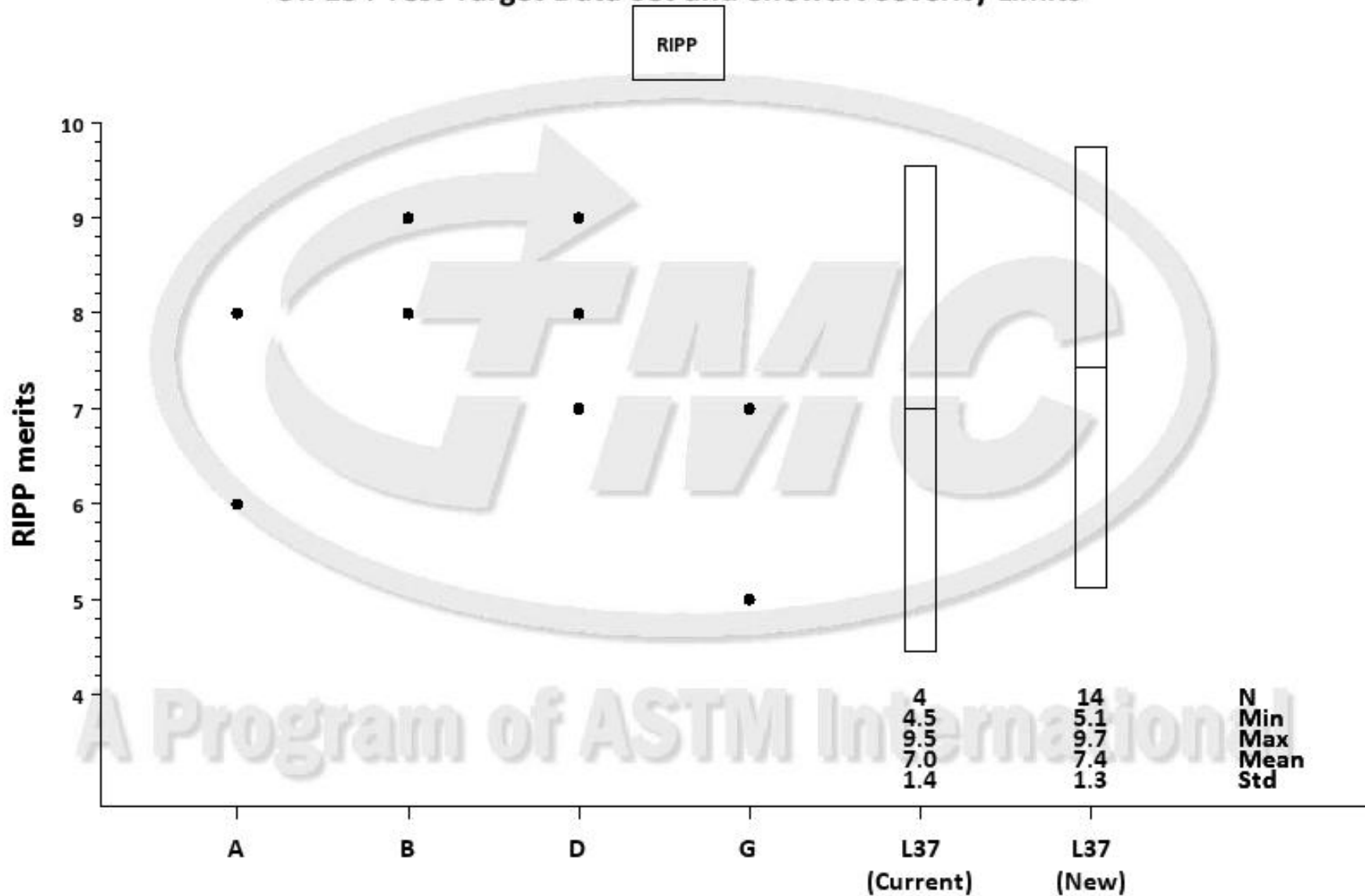
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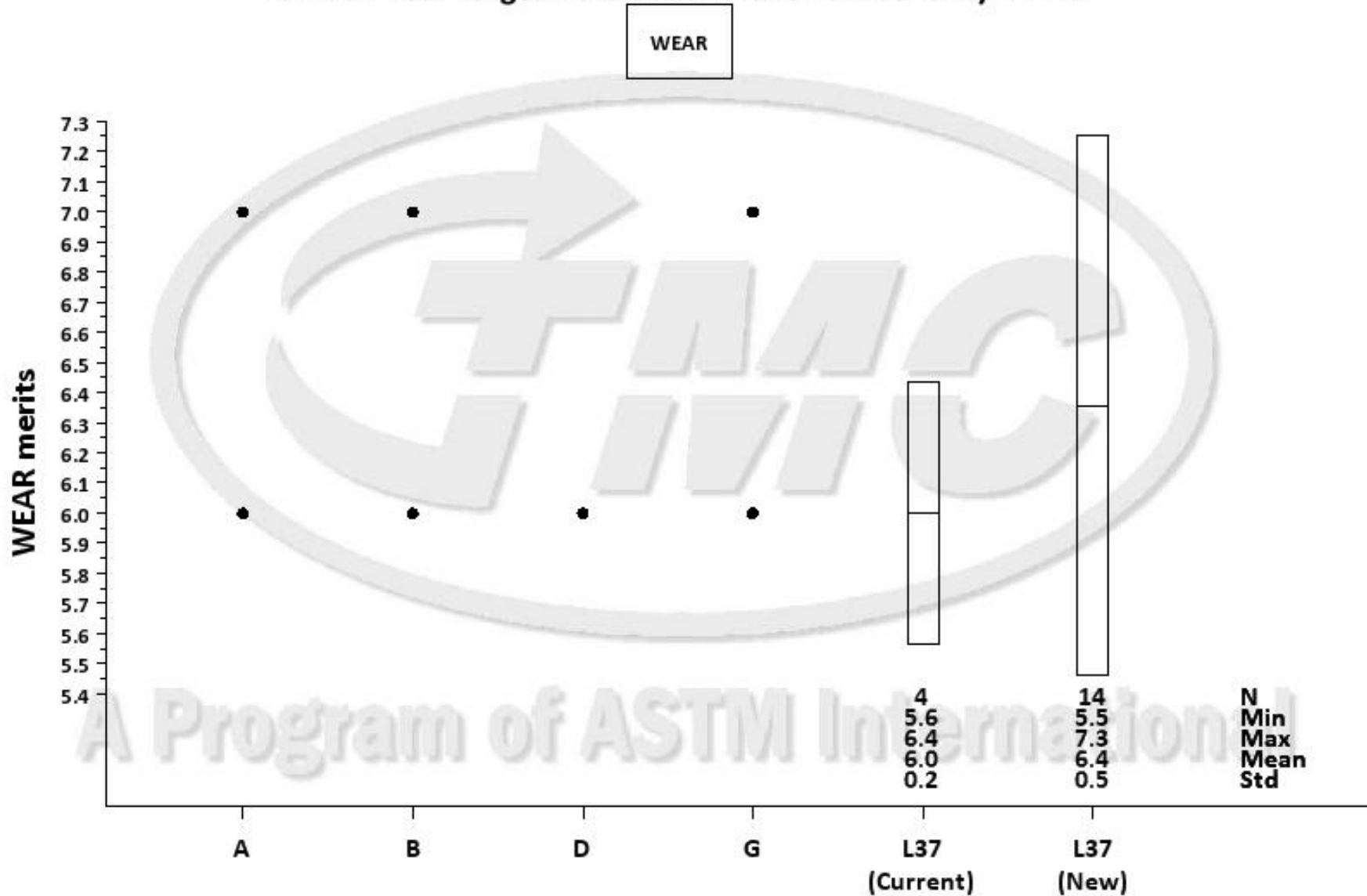
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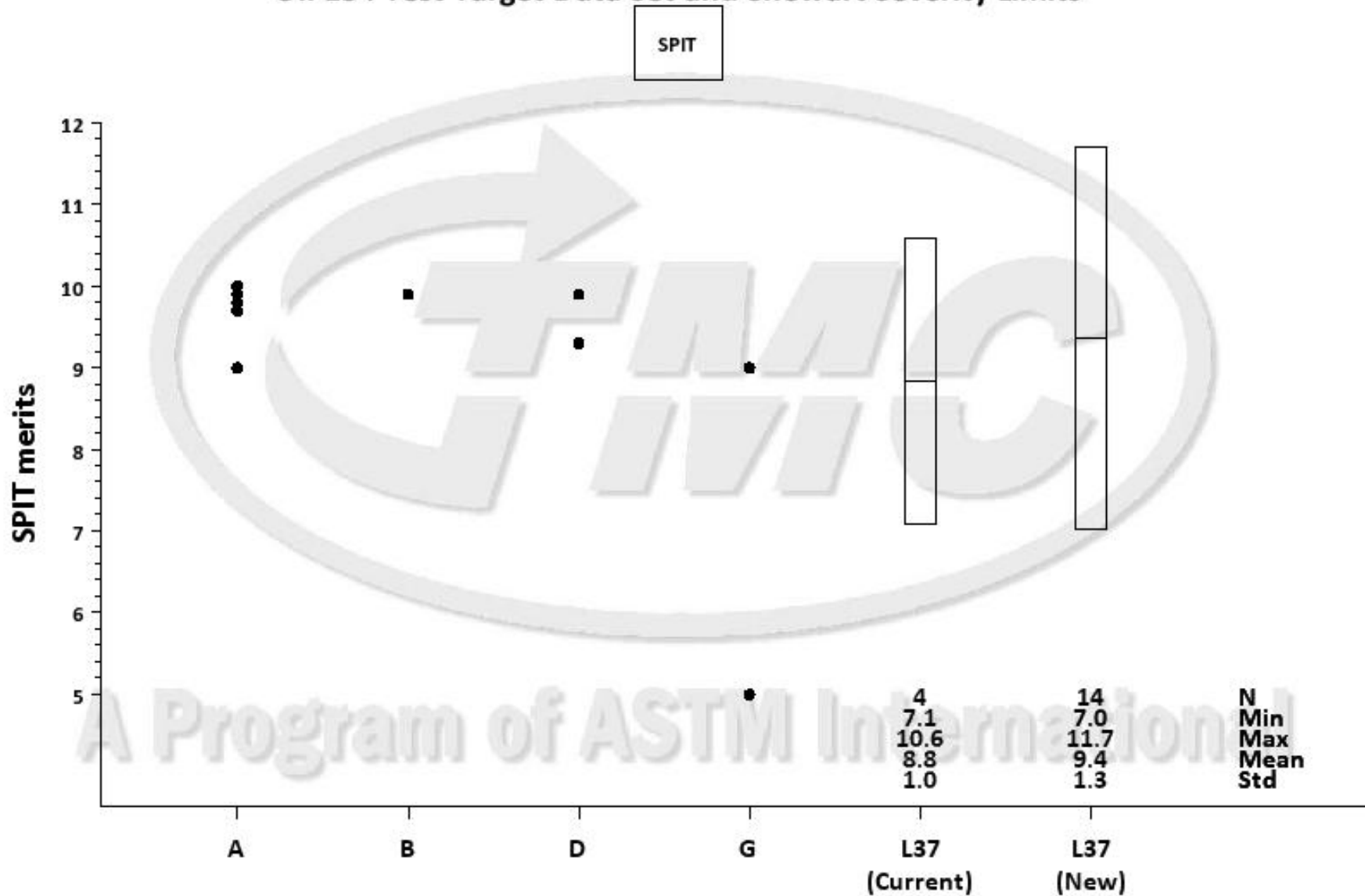
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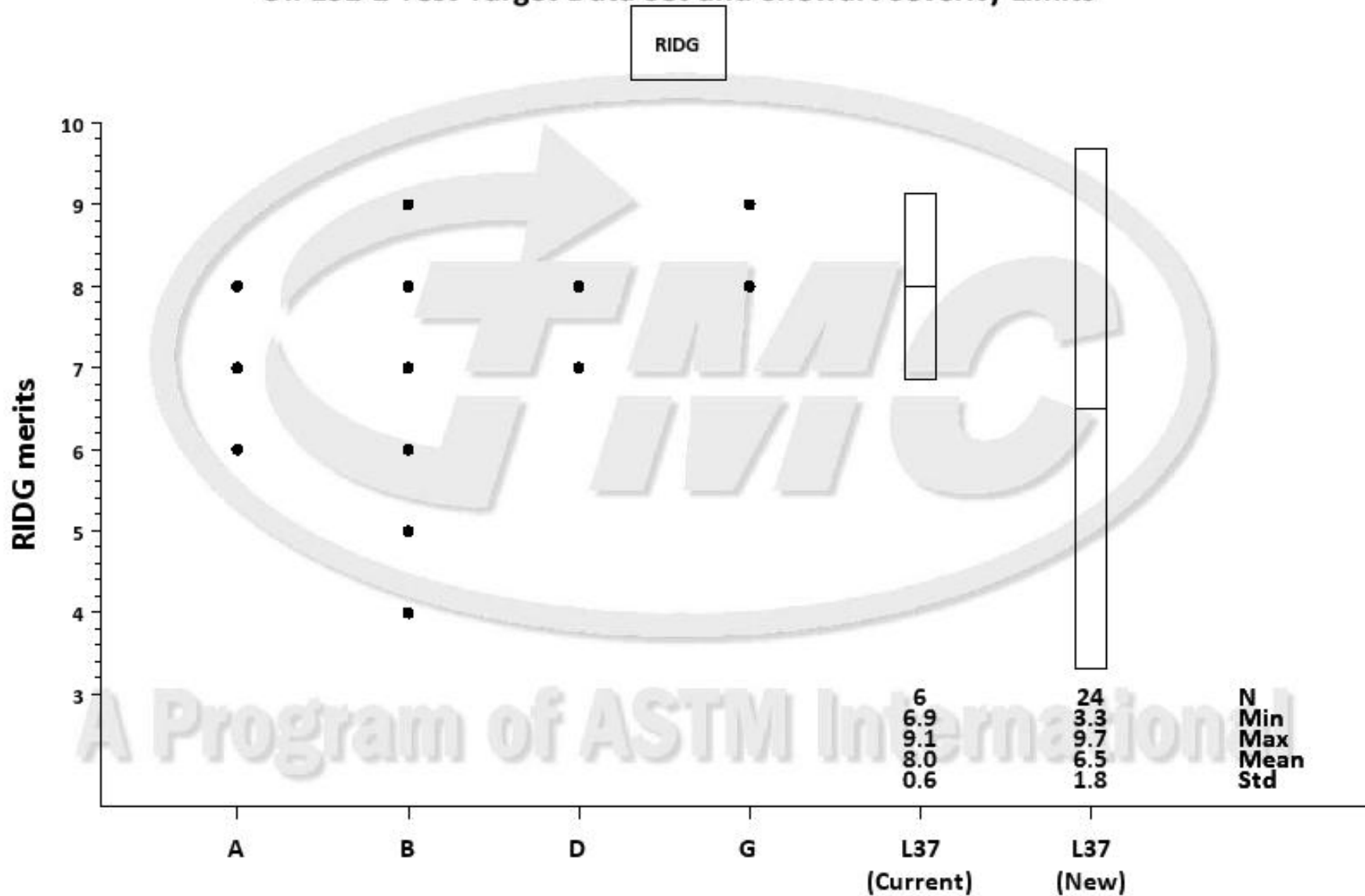
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Oil 152-2 Test Target Data Set and Shewart Severity Limits



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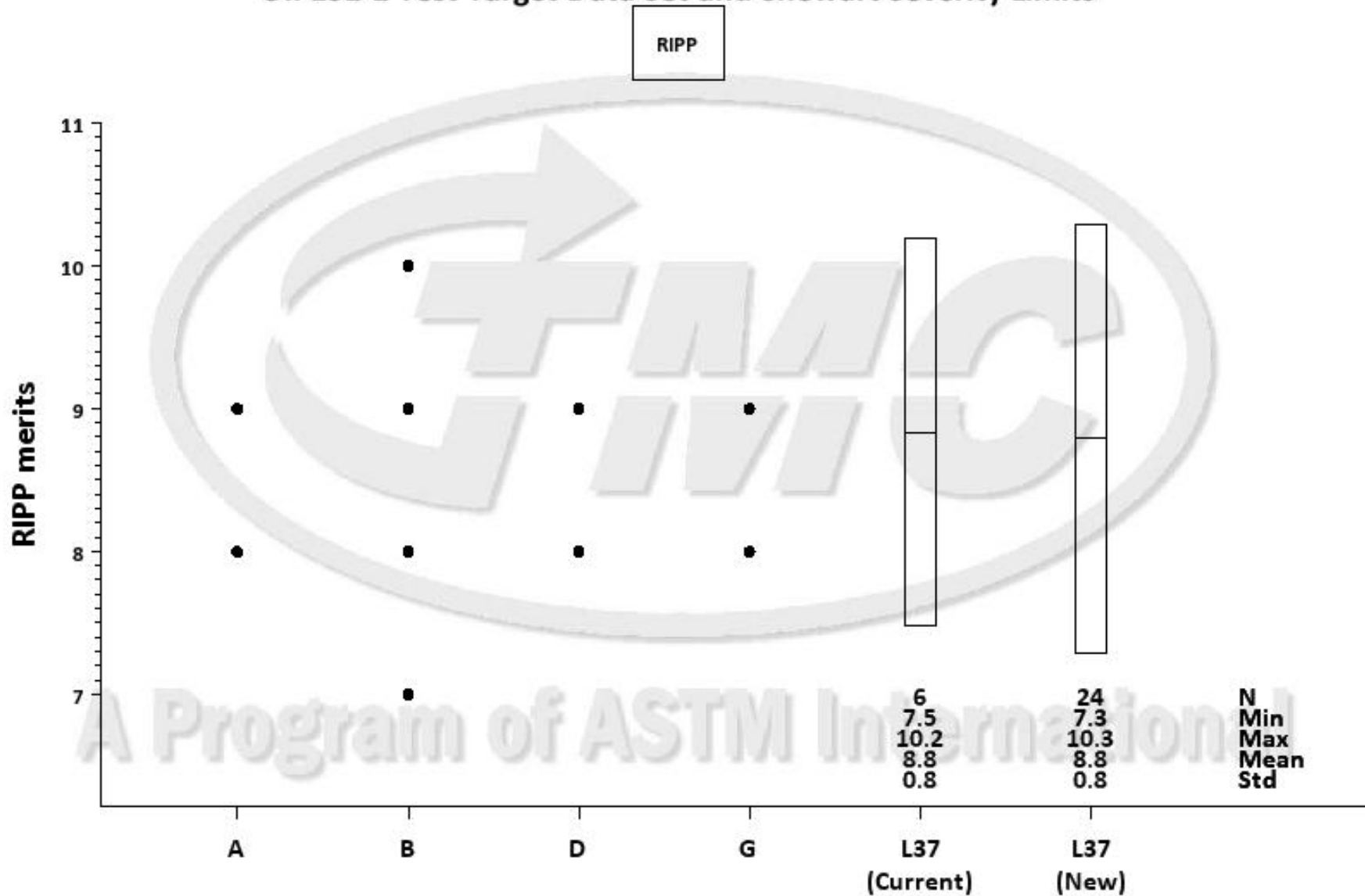
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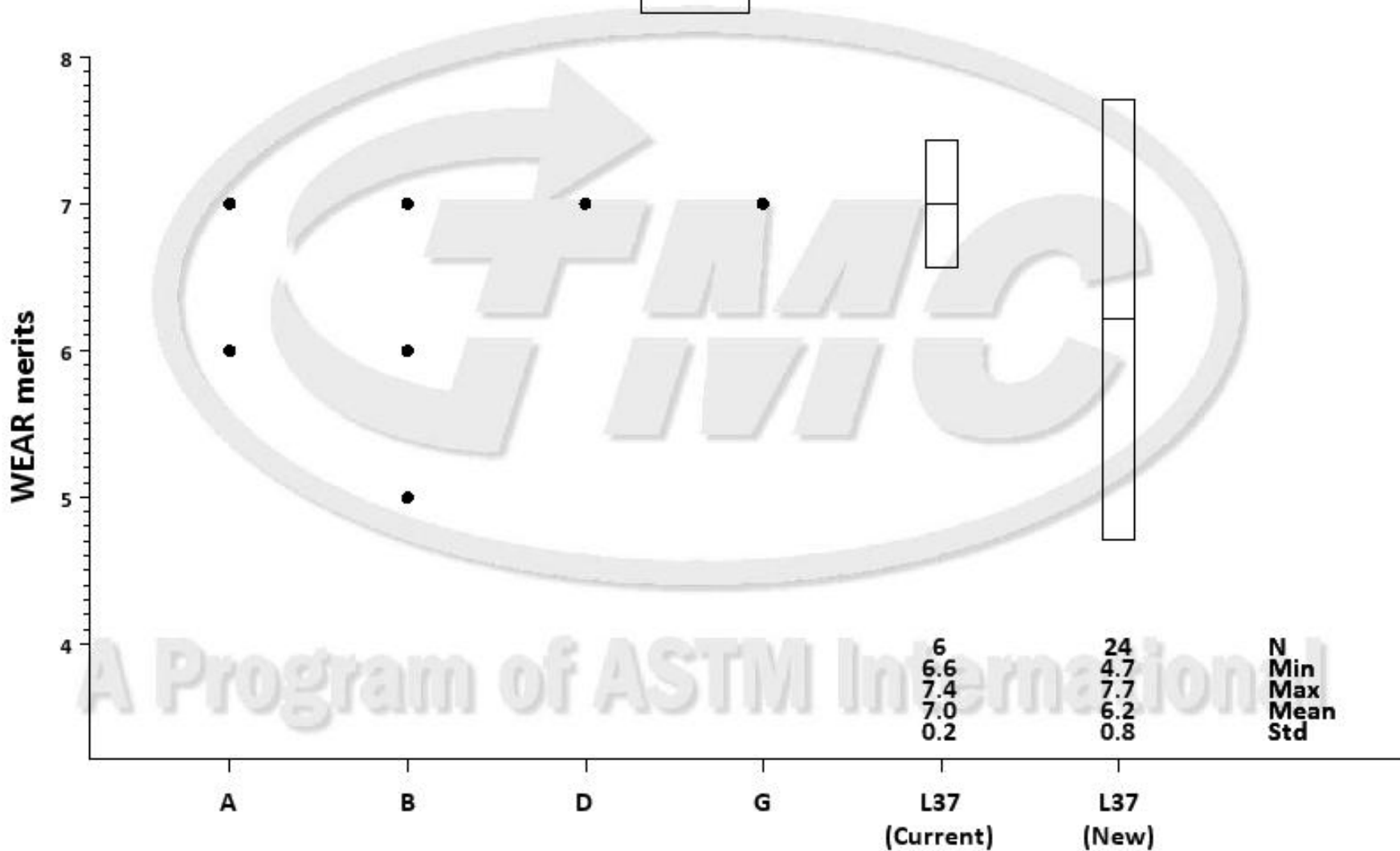


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Oil 152-2 Test Target Data Set and Shewart Severity Limits

WEAR



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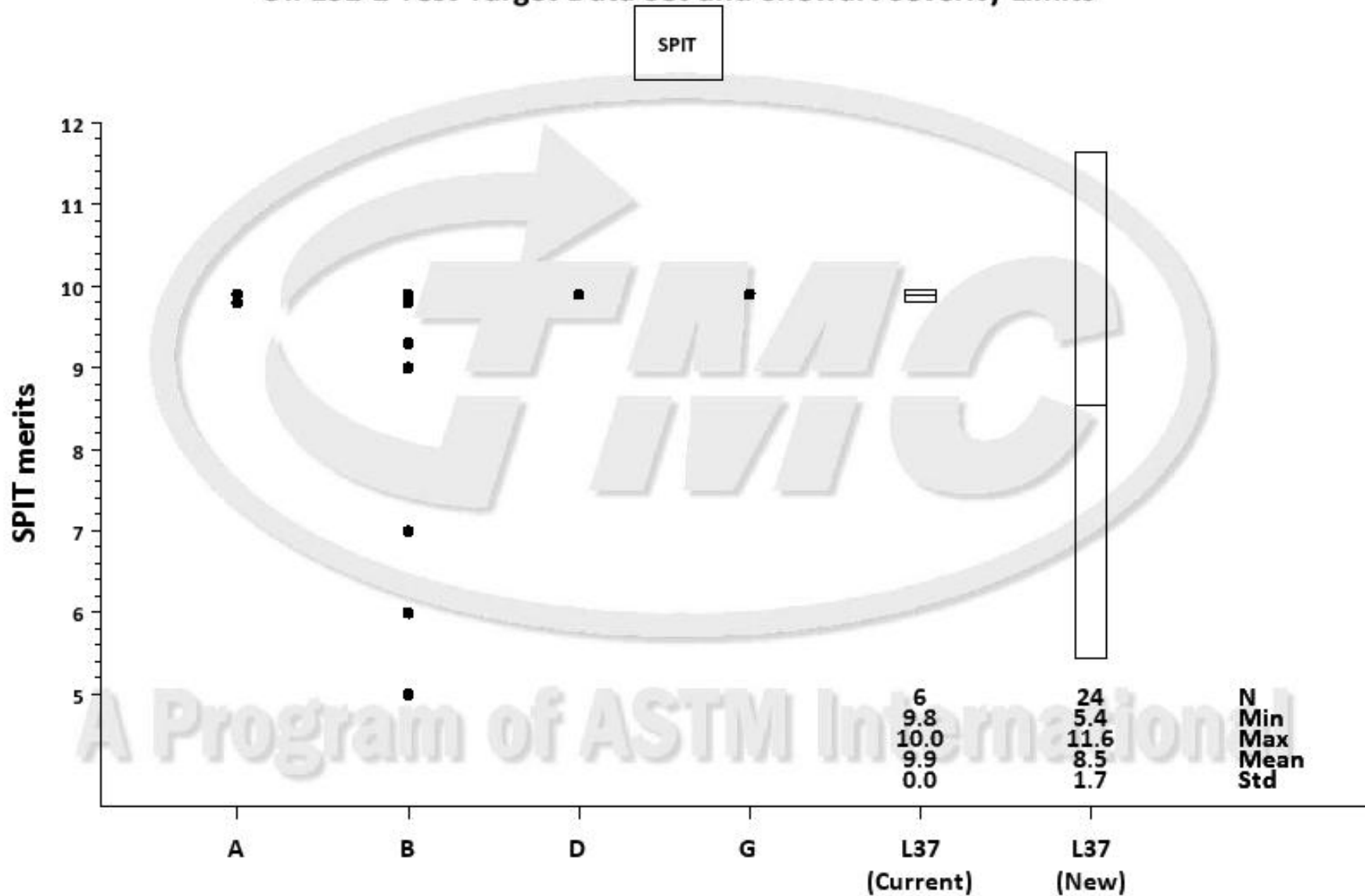
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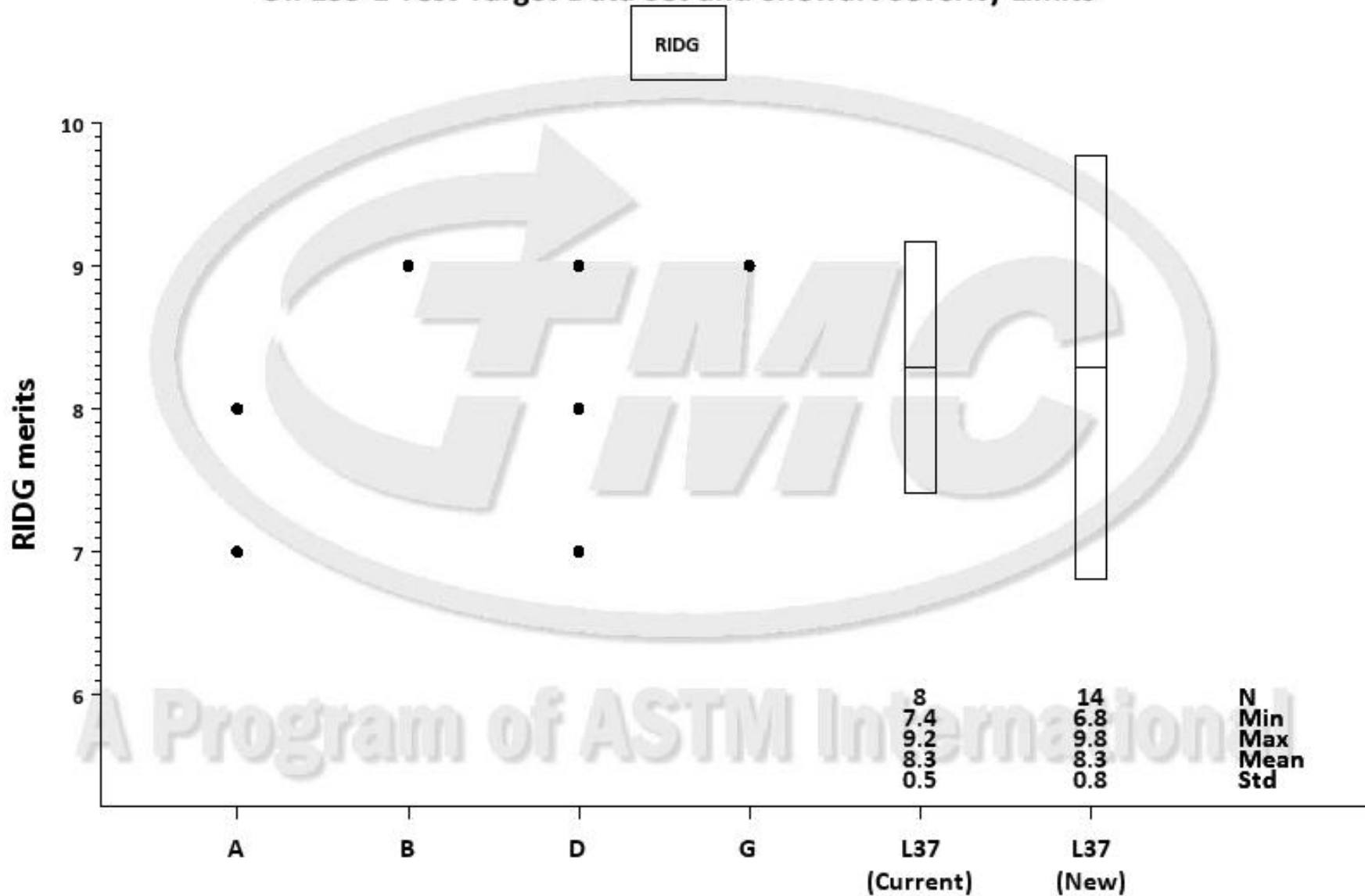
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Oil 155-1 Test Target Data Set and Shewart Severity Limits



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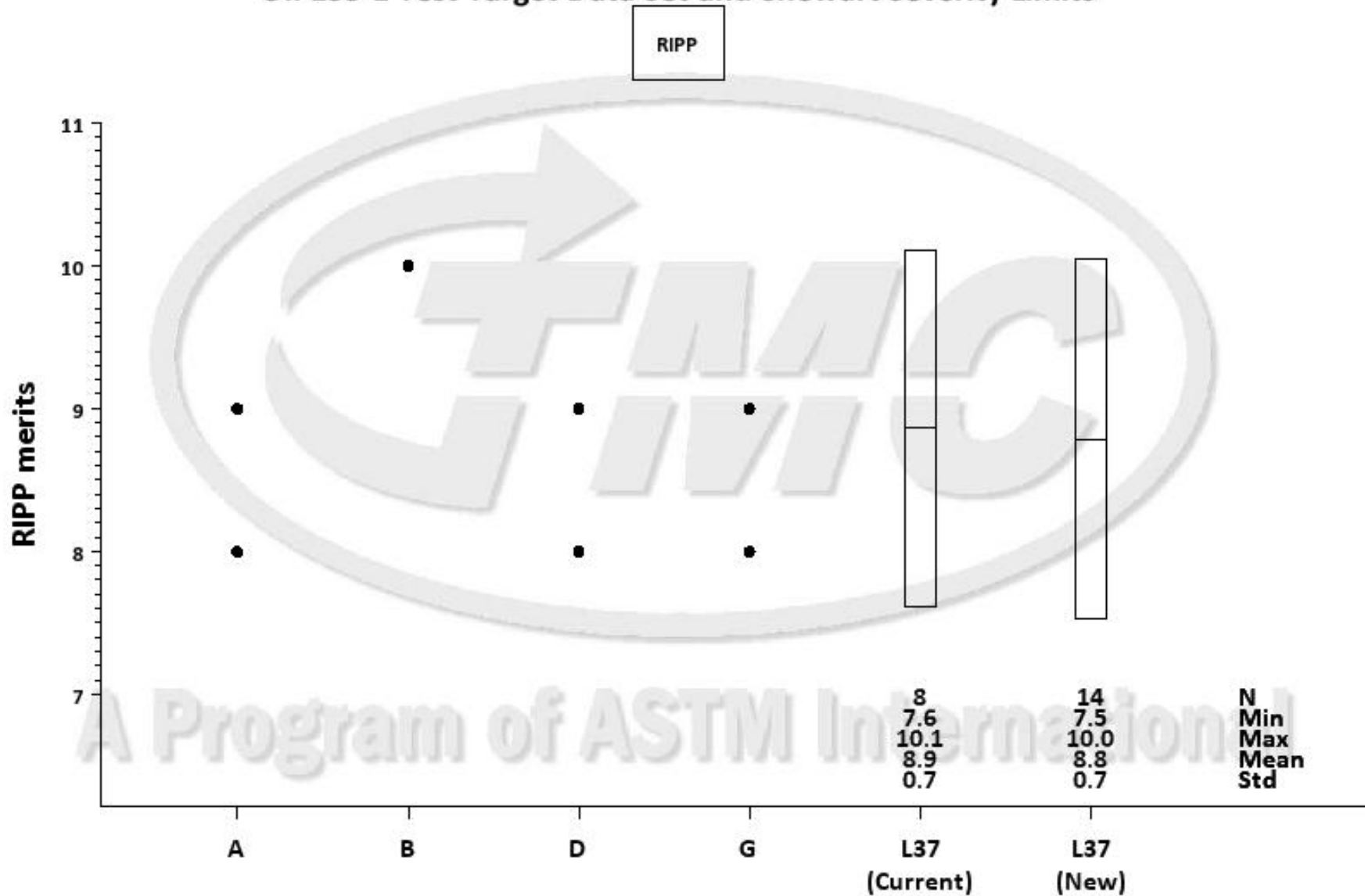
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Oil 155-1 Test Target Data Set and Shewart Severity Limits



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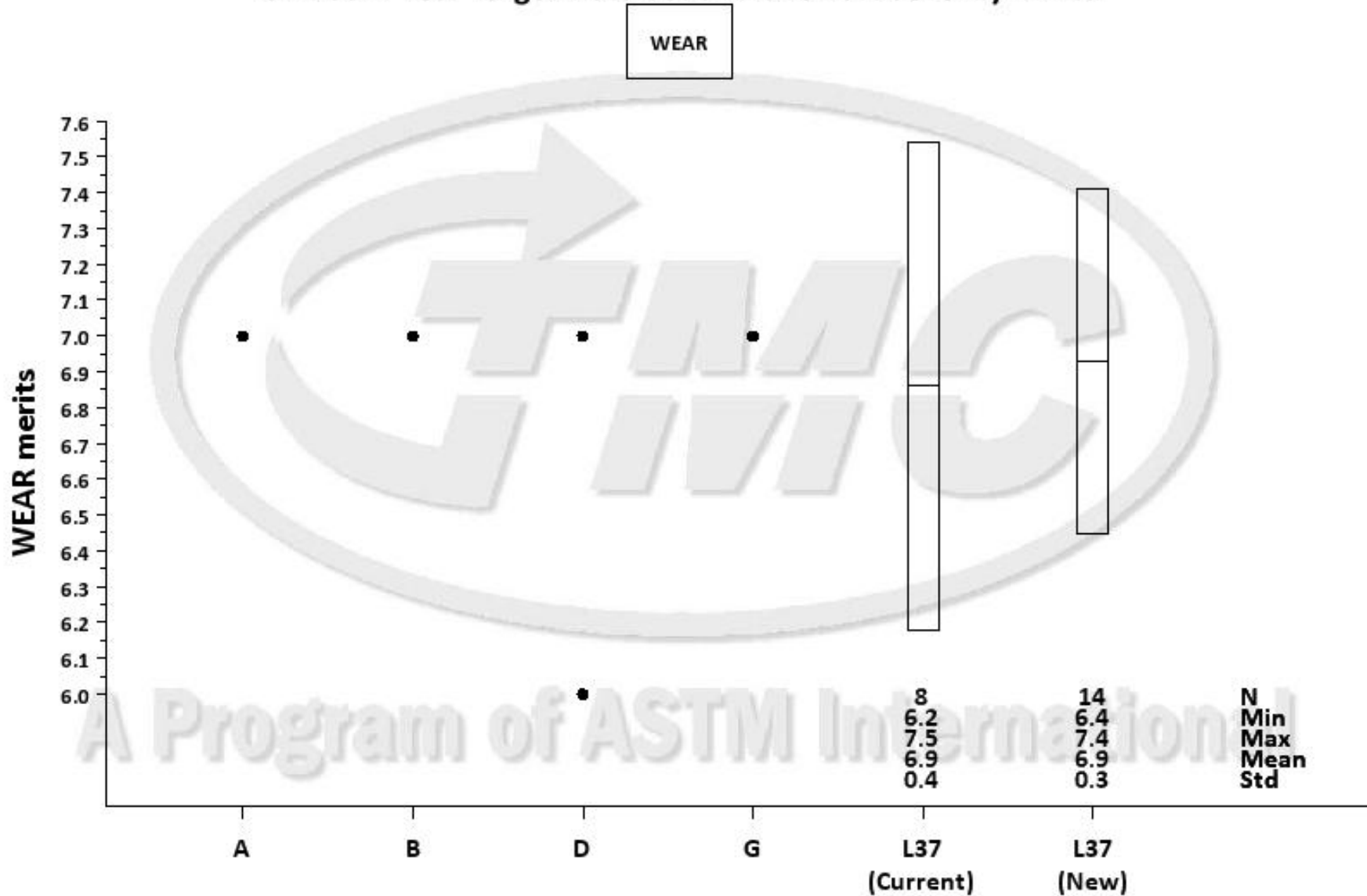
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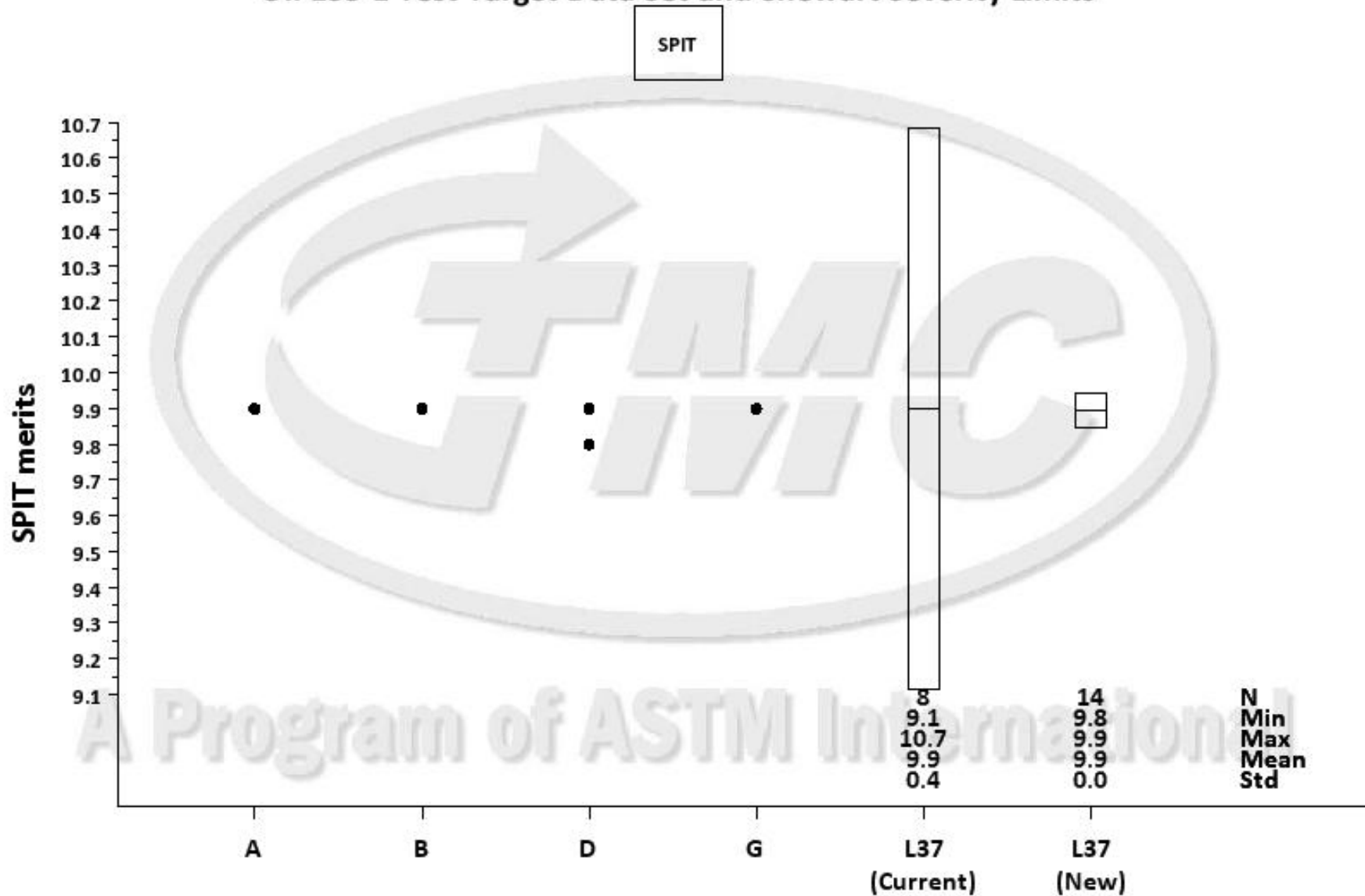
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