

MEMORANDUM:	02-066
DATE:	August 9, 2002
TO:	Gordon R. Farnsworth, Chairman, Sequence VG Surveillance Panel
FROM:	Richard Grundza
SUBJECT:	Sequence VG Reference Oil Tests Statistics, Reference Oil 1009

The following are the statistics for Sequence VG reference oil 1009, based on three test results. These targets are effective for reference oil tests completing on or after August 1, 2002.

Parameter	Mean	Standard Deviation	
AES	7.997	0.222	
RAC	9.25	0.085	
AEV	8.927	0.156	
APV	7.80	0.538	
OSCR	1.823	0.739	
HSR	None Allowed		

Figures 1 through 5 plot the results by laboratory and the Shewhart acceptance ranges for AES, RAC, AEV, APV and OSCR, respectively. Hot stuck ring data was not plotted since no hot stuck rings are allowed and no tests exhibited hot ring sticking. Please note that laboratory results in Figures 1 through 5 have not been severity adjusted. Figure 6 summarizes the uncorrected results used in the target calculation, while Figure 7 tabulates the corrected results, where appropriate.

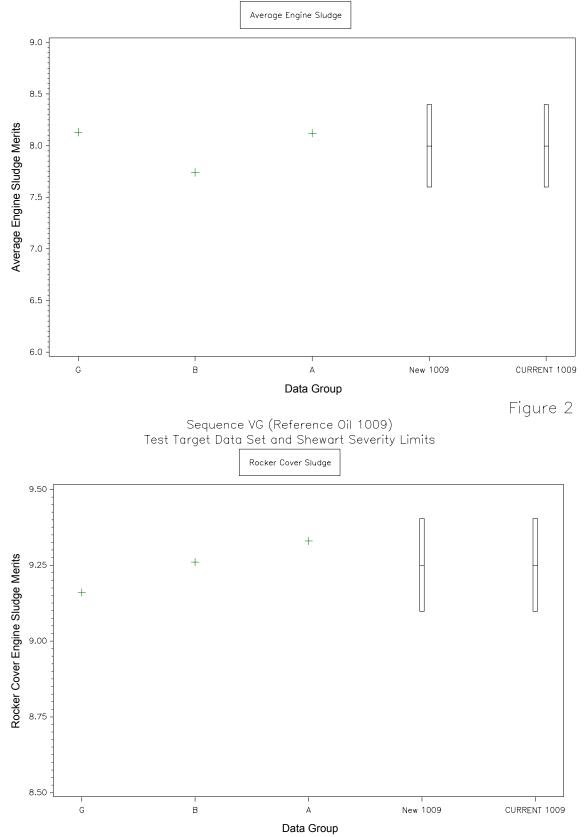
Attachments

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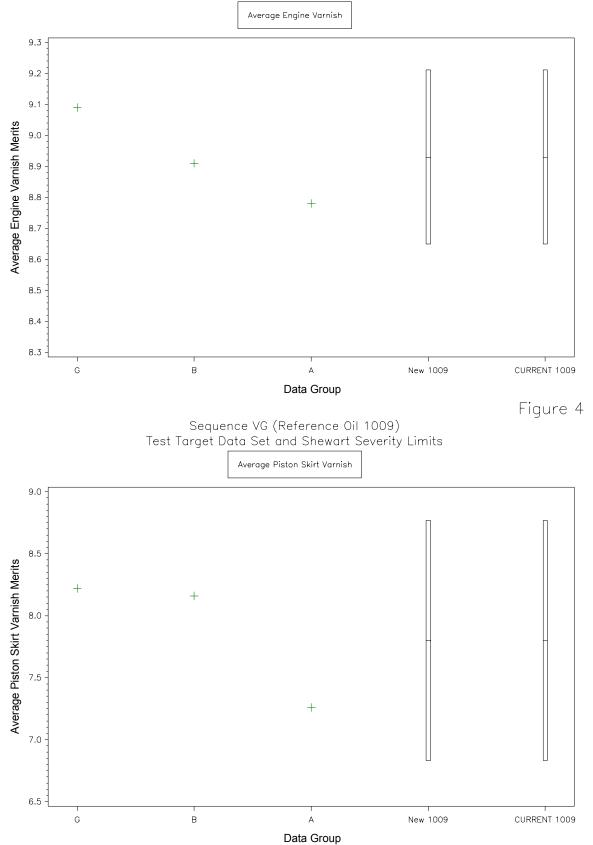
 c: Sequence VG Surveillance Panel Sequence VG Test Engineers John Zalar, TMC Frank Farber, TMC ftp://ftp.astmtmc.cmu.edu/docs/gas/sequencev/mem02-066.pdf

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Sequence VG (Reference Oil 1009) Test Target Data Set and Shewart Severity Limits



Sequence VG (Reference Oil 1009) Test Target Data Set and Shewart Severity Limits



Sequence VG (Reference Oil 1009) Test Target Data <u>Set and Shewa</u>rt Severity Limits

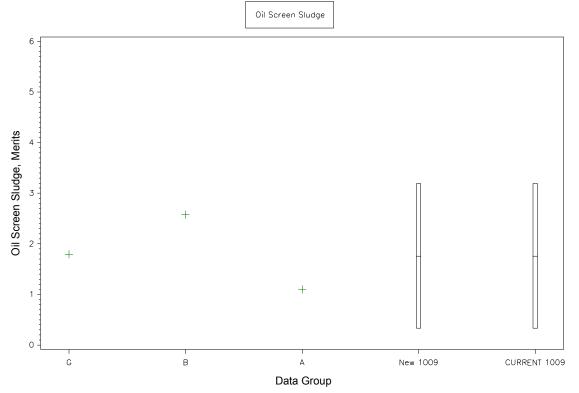


Figure 6

Lab	AES	RAC	AEV	APV	OSCR	HSR
А	8.12	9.33	8.78	7.26	2	0
В	7.74	9.26	8.91	8.16	22	0
G	8.13	9.16	9.09	8.22	5	0

Figure 7	7
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Lab	AES	RAC	AEV	APV	OSCR	HSR
А	8.12	9.33	8.78	7.26	2	0
В	7.74	9.26	8.91	8.16	12.14	0
G	8.13	9.16	9.09	8.22	5	0