



Test Monitoring Center

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MEMORANDUM: 01-064
DATE: May 31, 2001
TO: Sequence V Surveillance Panel
FROM: Richard E. Grundza
SUBJECT: Updated Statistics for Sequence VG LTMS Charting

Test targets for reference oil 925-3, based on ten operationally valid test results, are listed in Table 1. The means are the arithmetic average of these results. The standard deviations are not pooled or otherwise weighted. These targets are effective for reference oil tests completing on or after June 1, 2001. Where severity adjustments were in effect, test results were corrected by the application of severity adjustments.

Table 1

Parameter	Mean	Standard Deviation
AES	6.23	0.62
RACS	7.38	0.45
AEV	8.57	0.24
APV	7.40	0.28
OSCRNSLG (ln(result+1))	4.147	0.649
NHSCMPRG	0	0

Figures 1 through 5 plot the results by laboratory and the Shewhart acceptance ranges for AES, RAC, AEV, APV, and OSCRNLSG, respectively, in reported units for both oils.

REG/reg/mem01-064.reg.doc

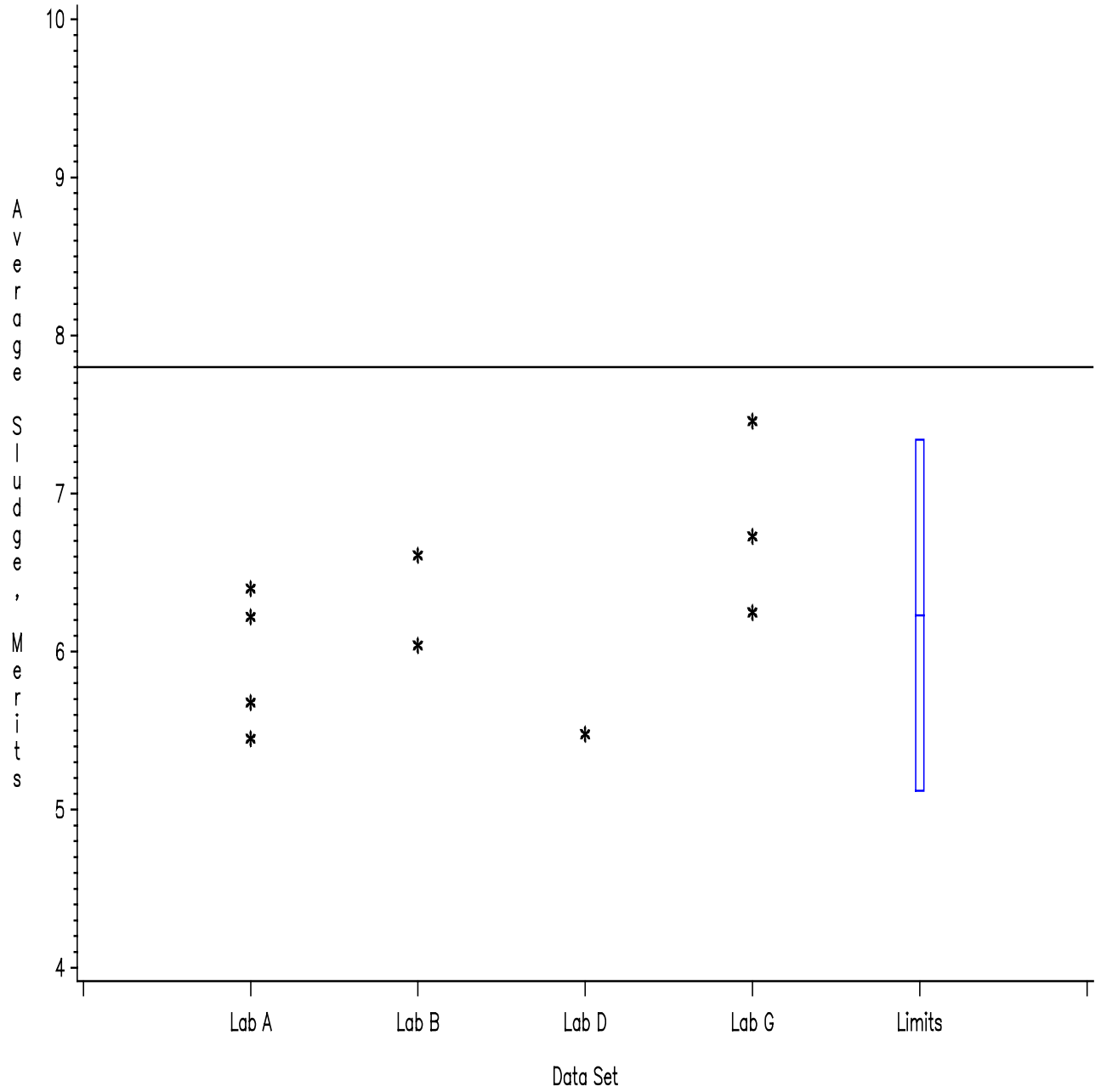
c: FMF

JLZ

Sequence VE Test Engineers

<ftp://www.tmc.astm.cmri.cmu.edu/docs/gas/sequencev/memos/mem01-064>

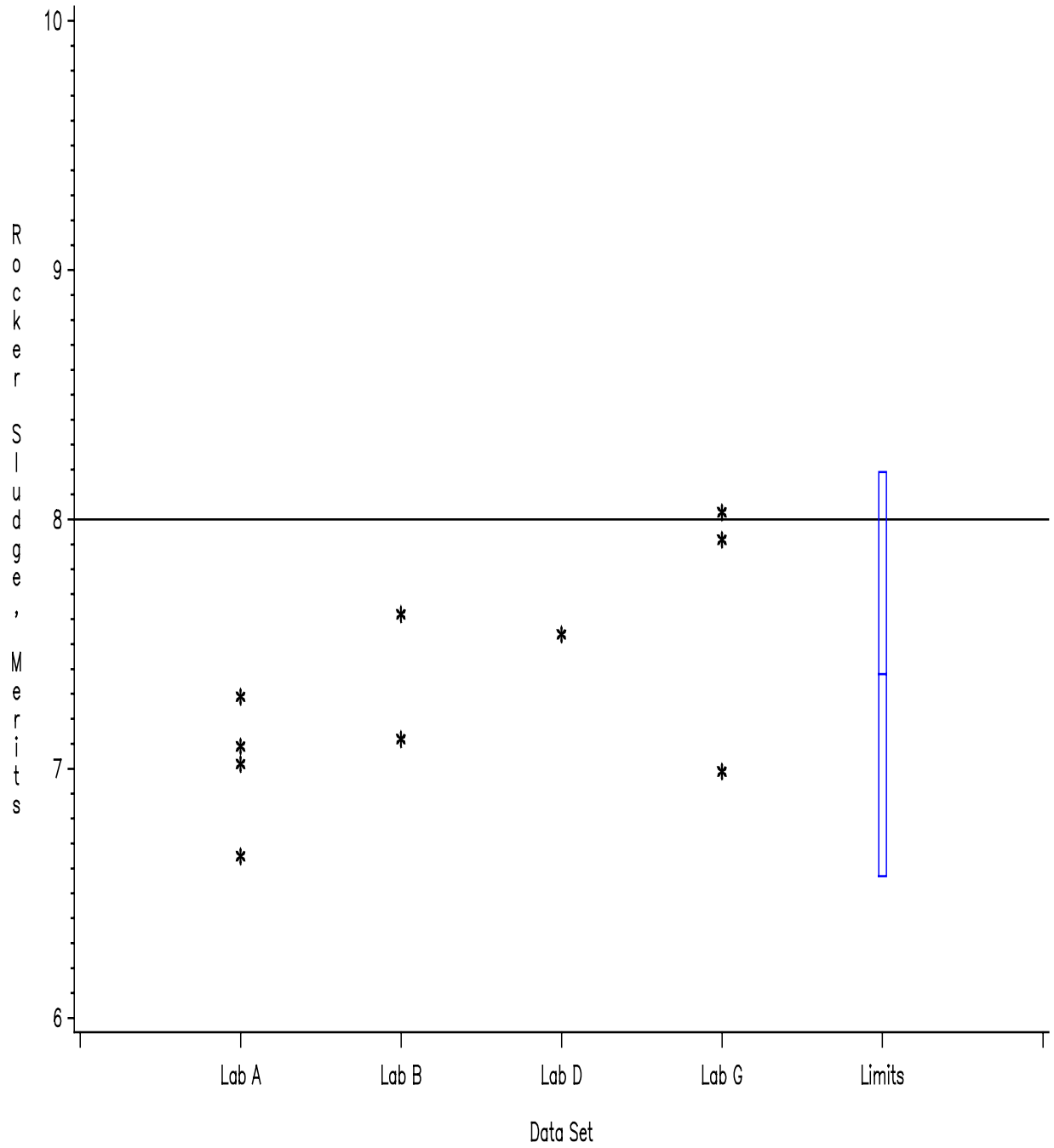
SEQUENCE VG
TARGET DATA SET AND SHEWHART LIMITS
AVERAGE ENGINE SLUDGE, 925-3



REFERENCE LINE IS THE GF-3 PASS LIMIT
Lab results are uncorrected, Targets calculated using corrected results

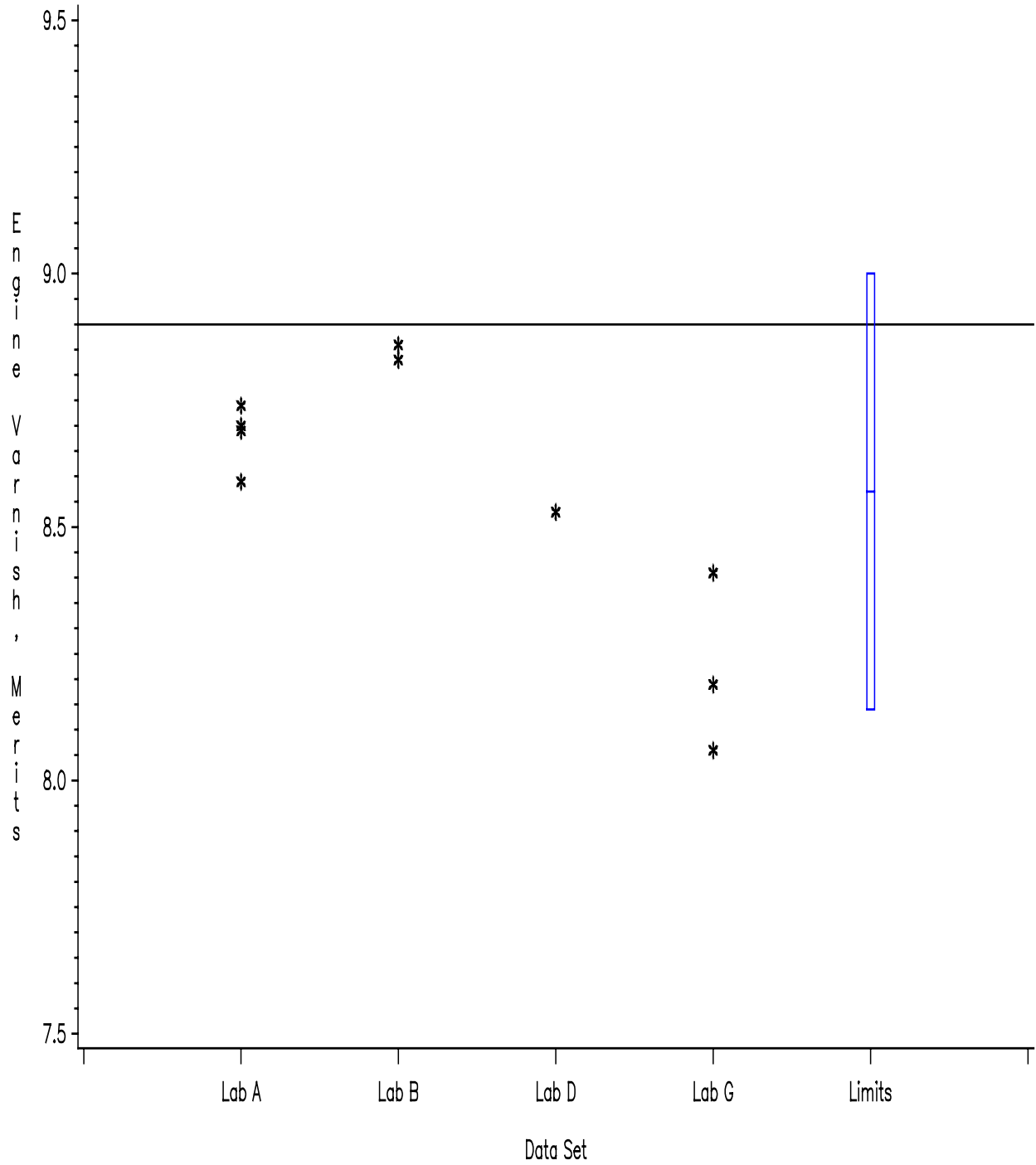
FIGURE 2

SEQUENCE VG
TARGET DATA SET AND SHEWHART LIMITS
ROCKER COVER SLUDGE, 925-3



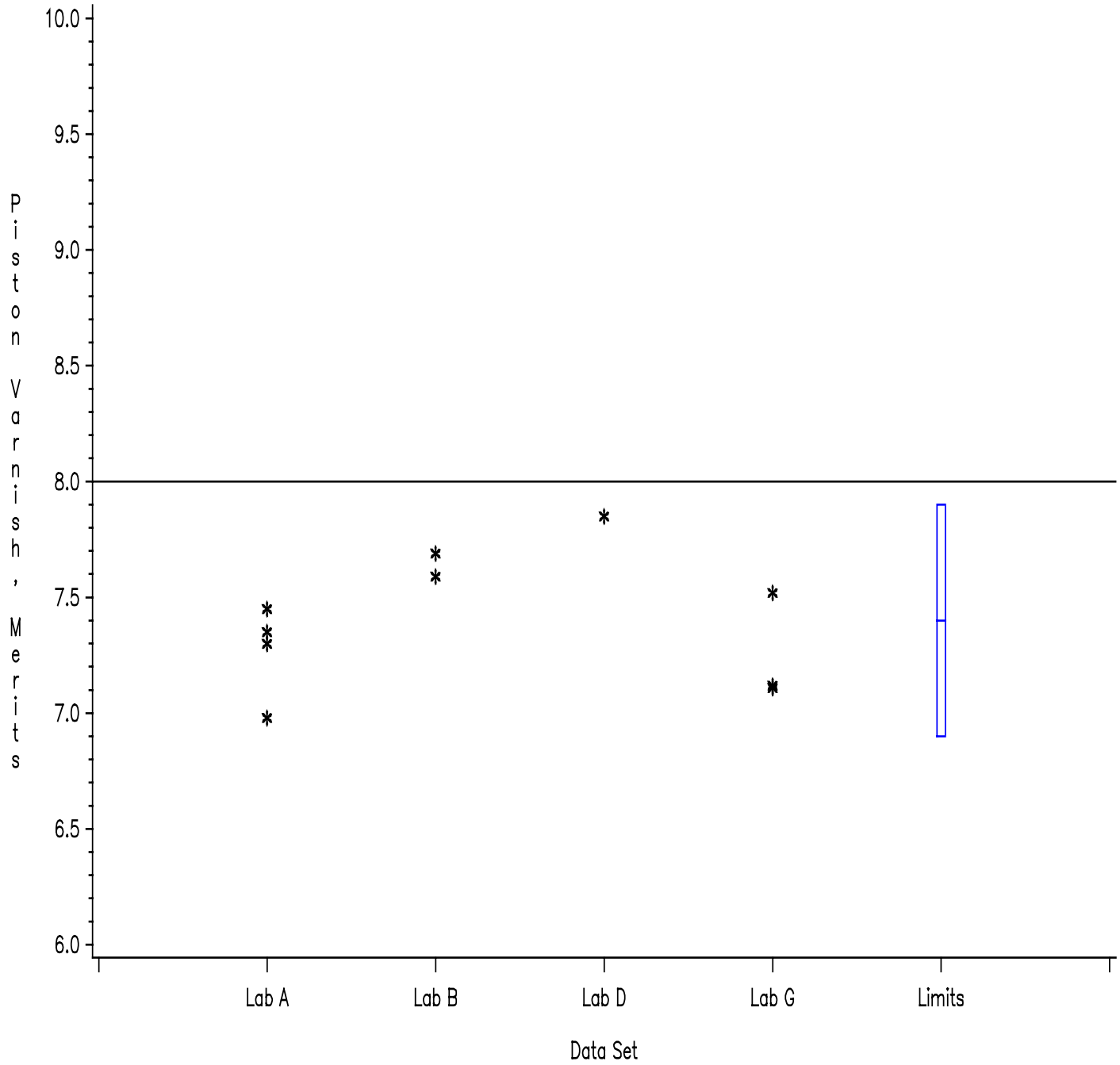
REFERENCE LINE IS THE GF-3 PASS LIMIT
Lab results are unadjusted, targets generated using adjusted results

SEQUENCE VG
TARGET DATA SET AND SHEWHART LIMITS
AVERAGE ENGINE VARNISH, 925-3



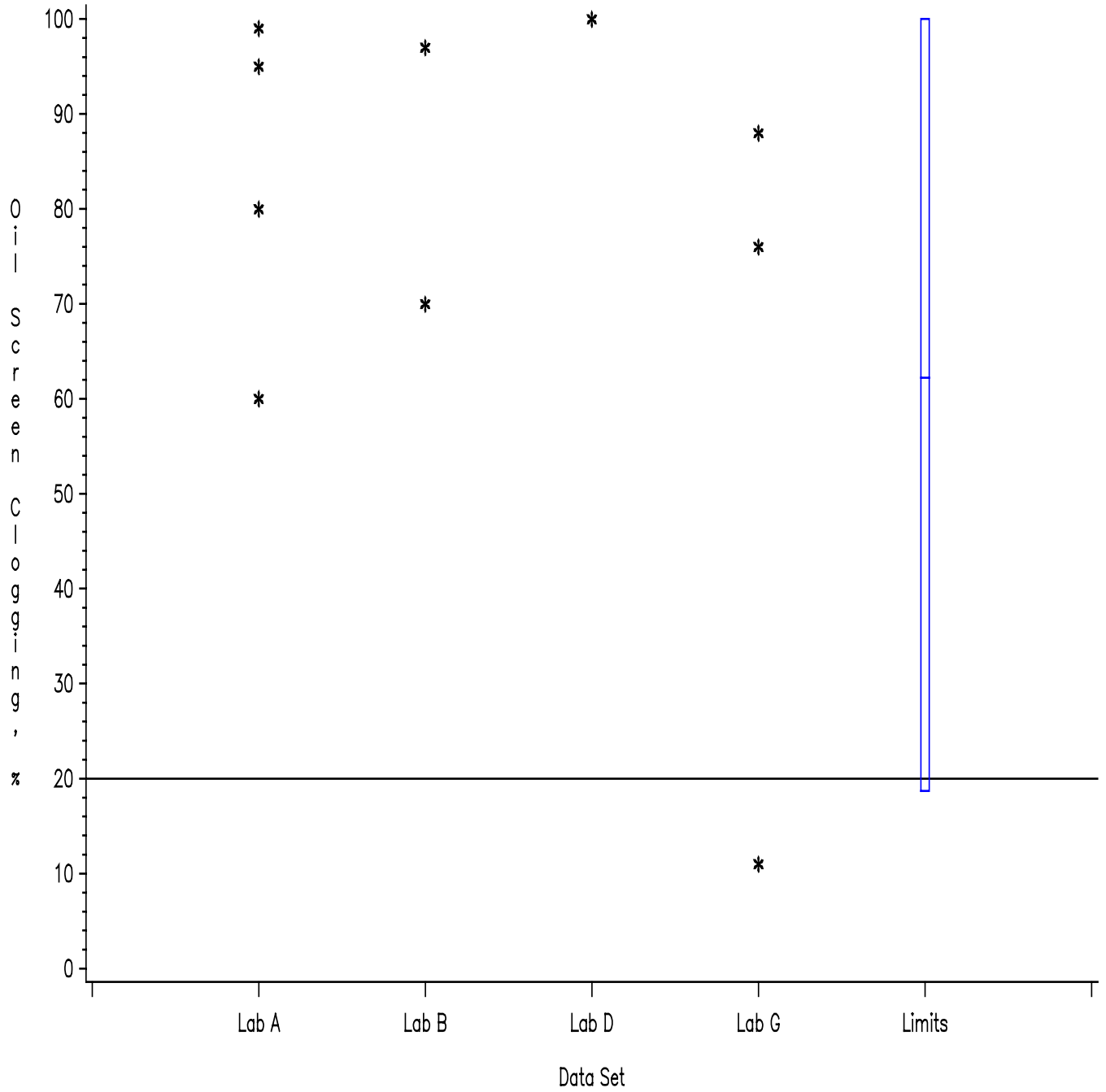
REFERENCE LINE IS THE GF-3 PASS LIMIT
Lab results are unadjusted, targets generated using adjusted results

SEQUENCE VG
TARGET DATA SET AND SHEWHART LIMITS
AVERAGE PISTON SKIRT VARNISH, 925-3



REFERENCE LINE IS THE GF-3 PASS LIMIT
Lab results are unadjusted, targets generated using adjusted results

SEQUENCE VG
TARGET DATA SET AND SHEWHART LIMITS
OIL SCREEN CLOGGING, 925-3



REFERENCE LINE IS THE GF-3 PASS LIMIT
Lab results are unadjusted, targets generated using adjusted results