

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

August 21, 2018

Don Bell

Webex Participants:

K. Gutierrez (Intertek)      R. Banas (XOM)      C. Knight (TEI)      B. Grinfield (SWRI)  
V. Donndelinger (Lz)      S. Parke (TMC)      D. Beck (TMC)      M. Lopez (Intertek)  
W. Venhoff (Lz)

An OSCT Surveillance Panel meeting was called to order by D. Bell at 10:05 am on 8/21/2018 via Webex.

The discontinued TMC 160-1 polyacrylate (PA) and fluoroelastomer (FL) reference oil is almost depleted and has been replaced by TMC 171. The TMC-plotted data for %elongation, %volume change, and shore hardness for PA and FL from Intertek, Lz, and SWRI showing proposed Shewart severity limits for 144 (PA) and 141 (FL) measurements for TMC 160-1 and 3 measurements for TMC 171 were reviewed (data in Appendix). TMC noted that the TMC 171 results will be reviewed again once ten, twenty, and thirty data points are obtained from all 3 labs. Once thirty data points are reported, the Panel will vote to approve the established Shewart severity limits for TMC 171.

A motion made by D. Bell and 2<sup>nd</sup> by B. Grinfield was unanimously approved with 7 votes and no abstentions to effective immediately approve TMC 171 as a replacement reference oil for the soon-to-be depleted and discontinued TMC 160-1 reference oil. TMC 160-1 can be used until it is depleted.

The discontinued TMC 168 nitrile reference oil has been replaced with TMC 170. The TMC-plotted data for %elongation, %volume change, and shore hardness for nitrile from Lz and SWRI showing Shewart severity limits for 138 measurements for TMC 160-1, along with 12 and 32 measurements for TMC 170, were reviewed. Since >30 data points were obtained with TMC 170, a motion made by D. Bell and 2<sup>nd</sup> by M. Lopez was unanimously approved with 7 votes and no abstentions to effective immediately approve TMC 170 Shewart severity limits for each of the three parameters as noted on the attached plots in the Appendix.

An adjournment motion made by D. Bell and 2<sup>nd</sup> by B. Grinfield was unanimously approved with 7 votes to adjourn the OSCT Panel meeting at 10:18 am on 8/21/2018.

Respectfully Submitted,



Donald Bell

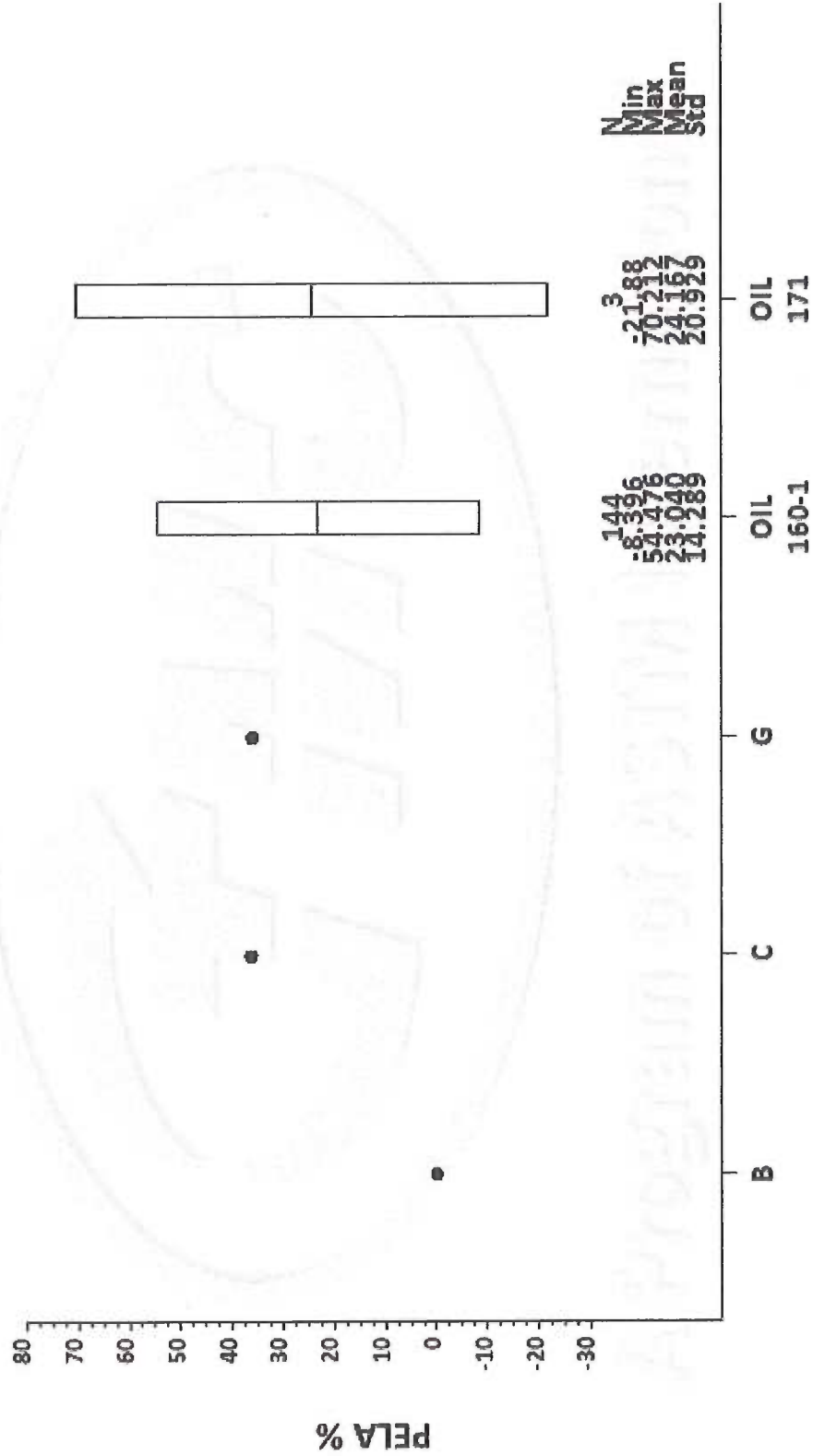
# APPENDIX

# OSCT Reference Oil 171

PA Elastomer

## Test Target Data Set and Shewart Severity Limits

PELA

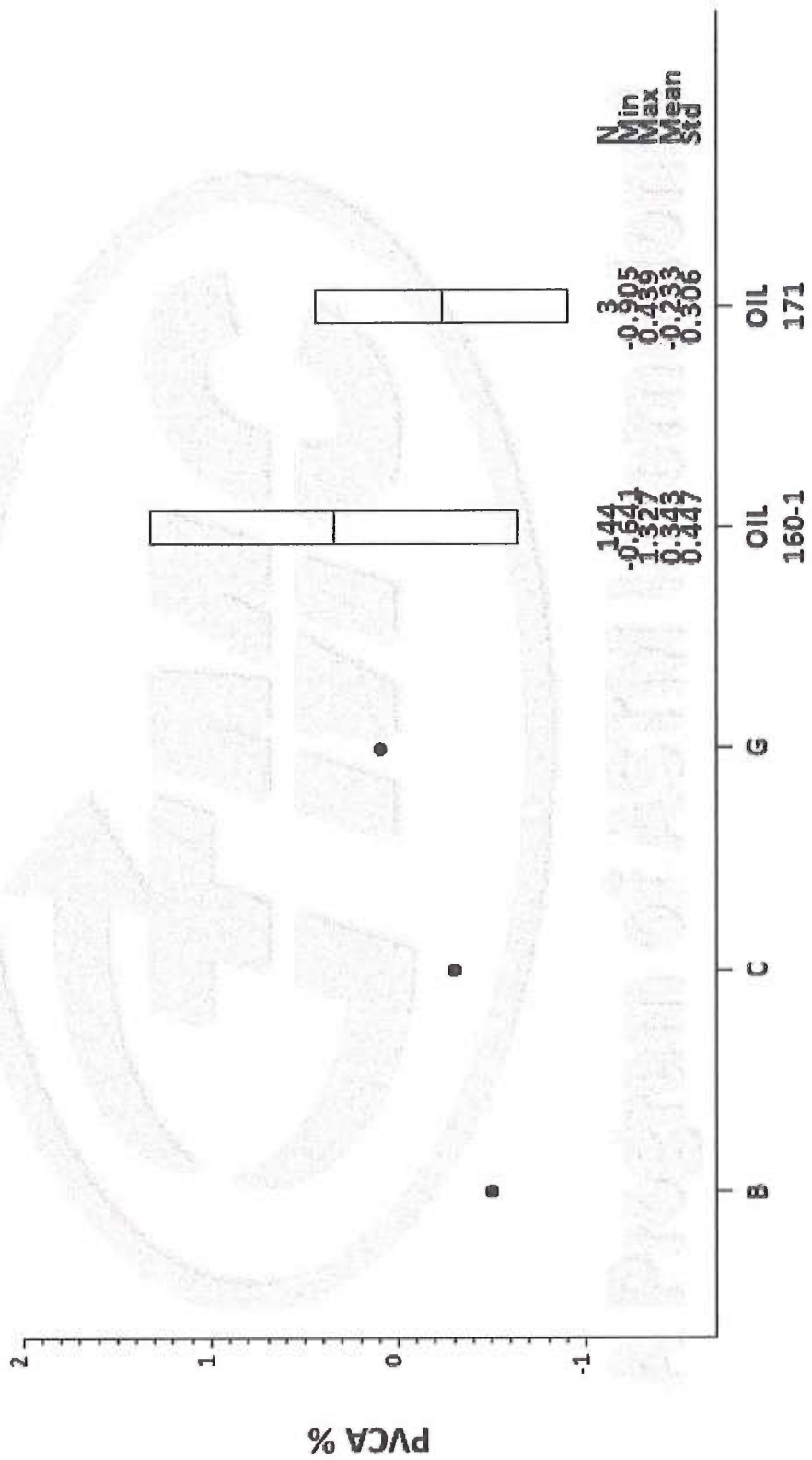


# OSCT Reference Oil 171

PA Elastomer

## Test Target Data Set and Shewart Severity Limits

PVCA

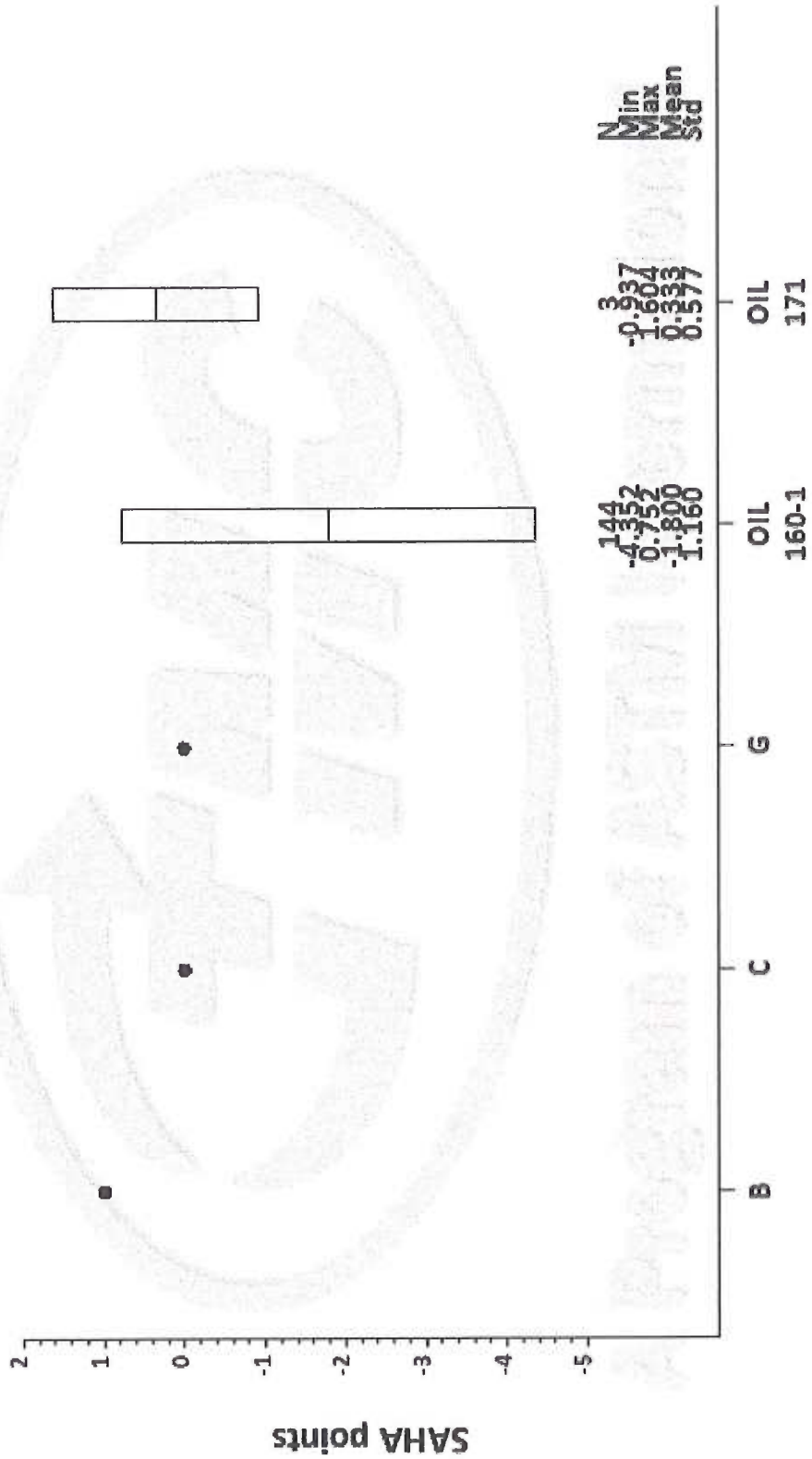


# OSCT Reference Oil 171

PA Elastomer

## Test Target Data Set and Shewart Severity Limits

SAHA

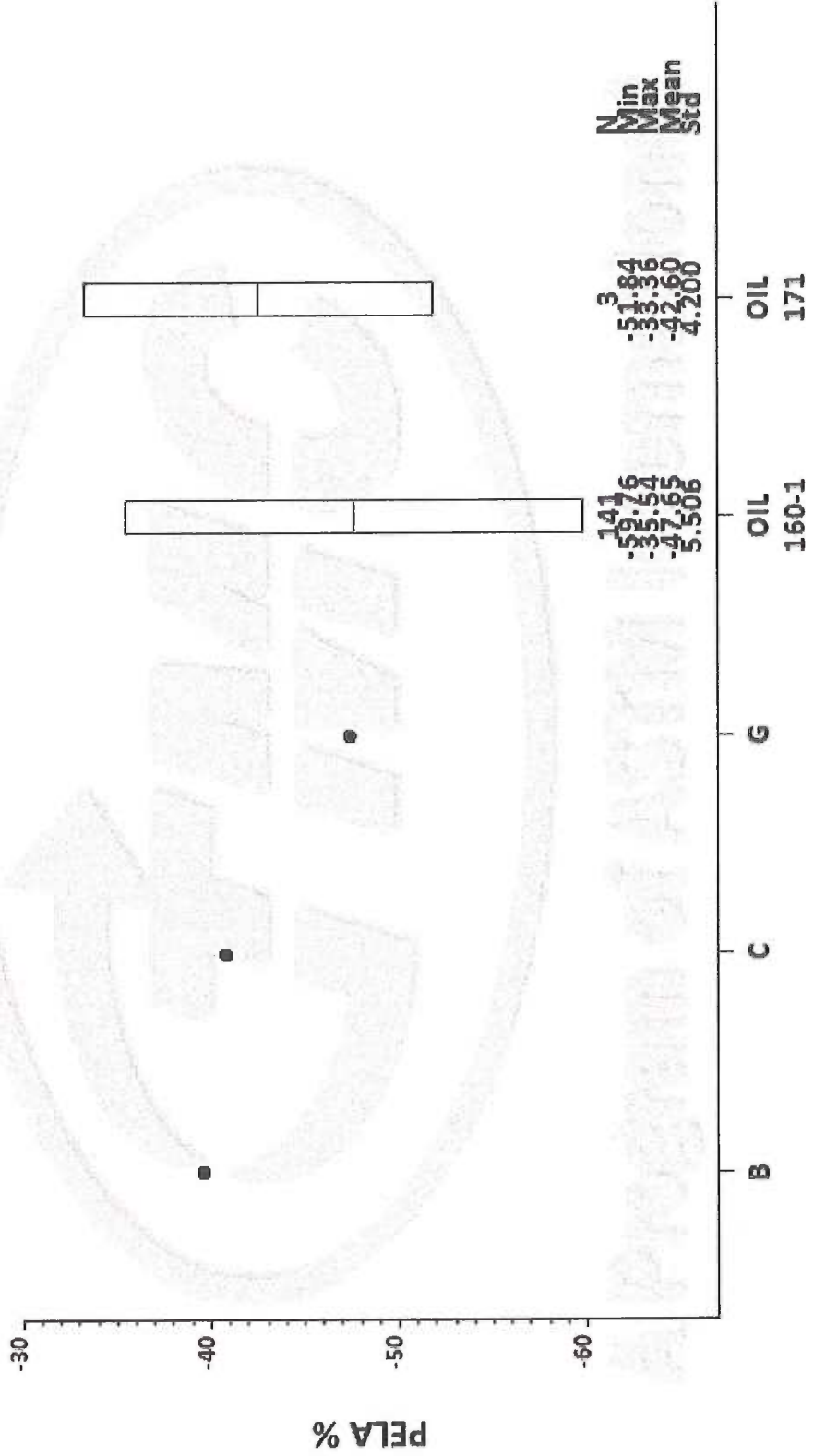


# OSCT Reference Oil 171

FL Elastomer

## Test Target Data Set and Shewart Severity Limits

PELA

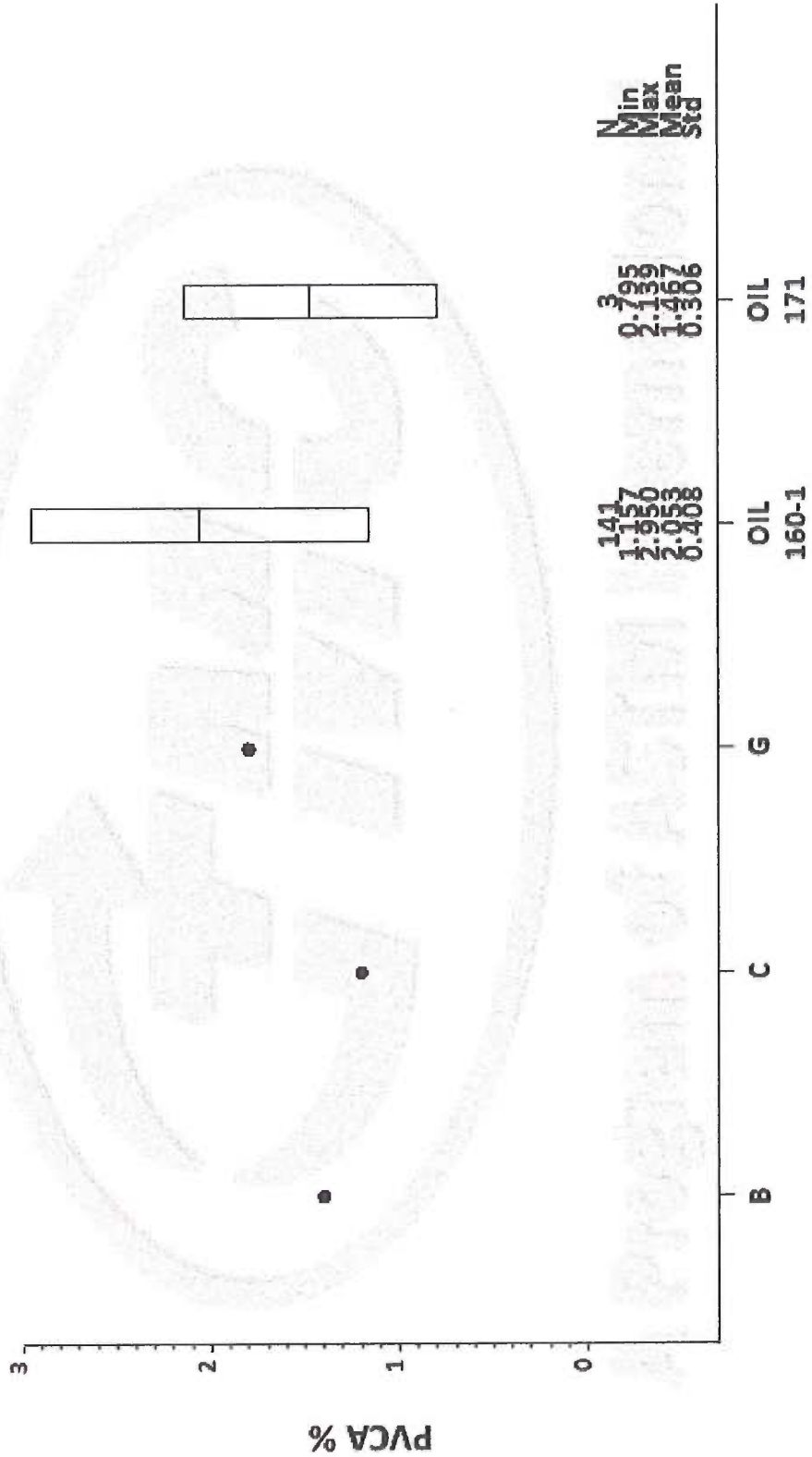


# OSCT Reference Oil 171

FL Elastomer

## Test Target Data Set and Shewart Severity Limits

PVCA

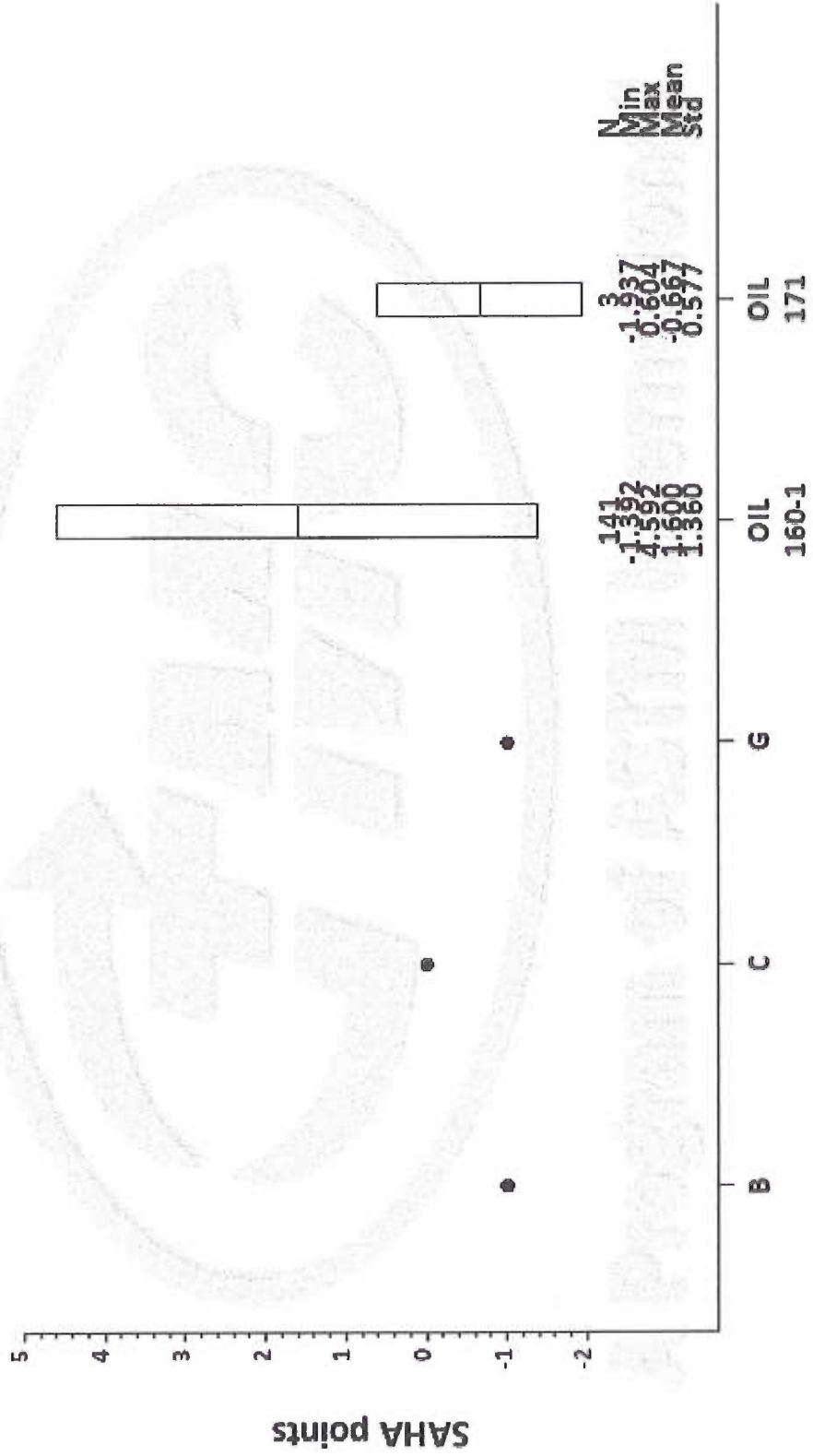


# OSCT Reference Oil 171

FL Elastomer

## Test Target Data Set and Shewart Severity Limits

SAHA

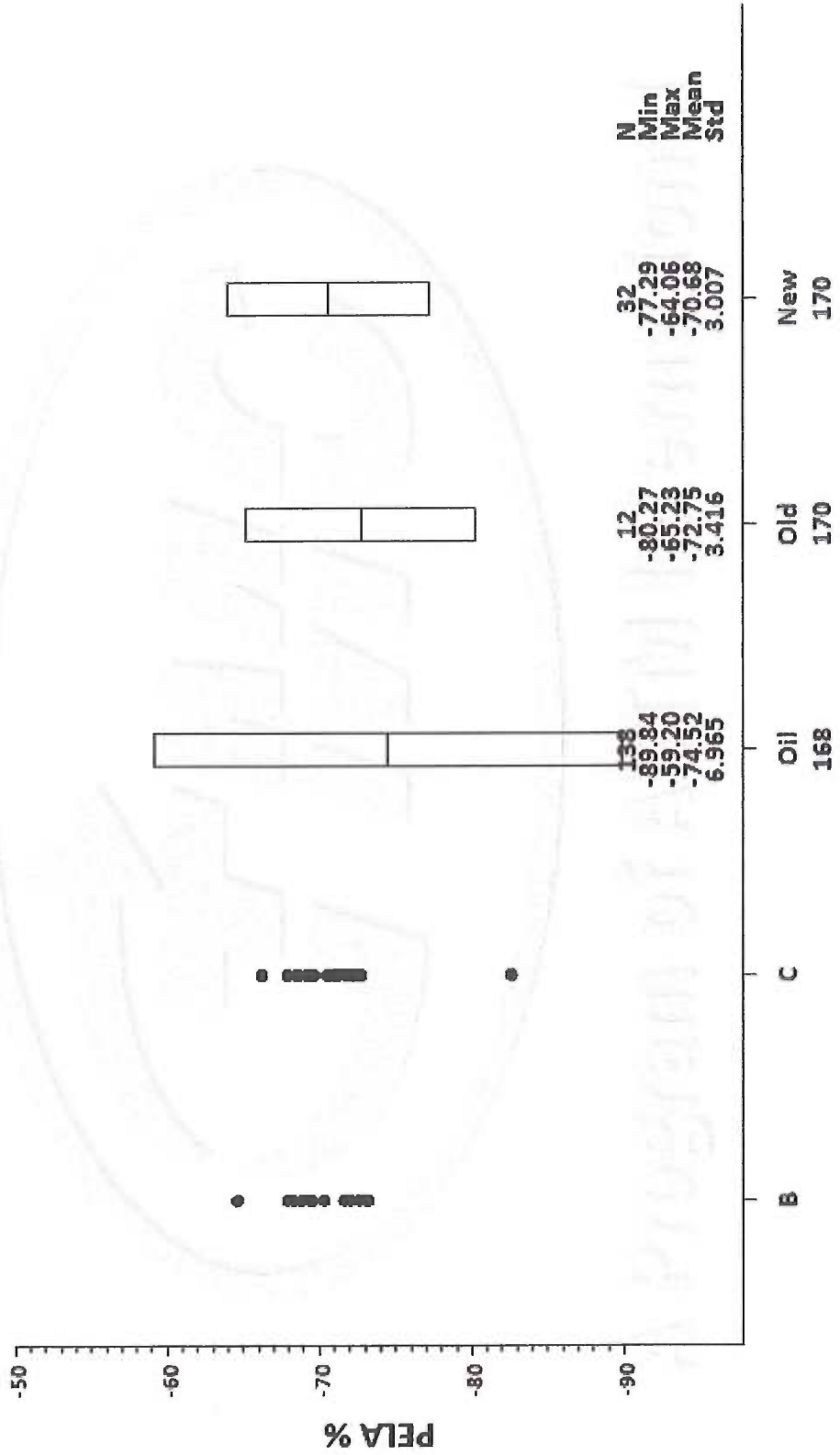




# OSCT Reference Oil 170

Test Target Data Set and Shewart Severity Limits

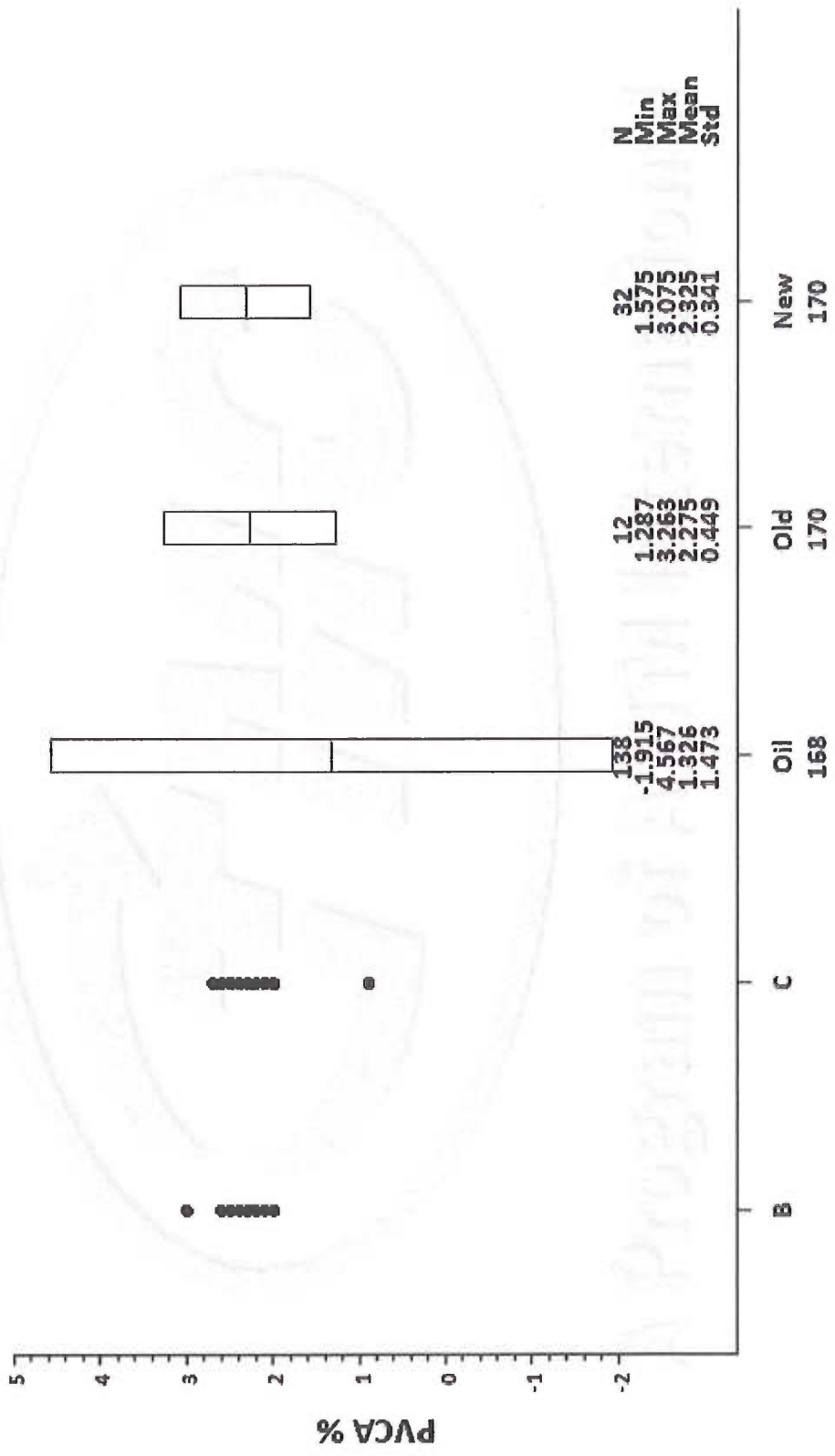
PELA



# OSCT Reference Oil 170

Test Target Data Set and Shewart Severity Limits

PVCA



# OSCT Reference Oil 170

## Test Target Data Set and Shewart Severity Limits

SAHA

