

Oil Seal Compatibility Test (OSCT) Surveillance Panel Meeting Minutes

Warrendale, PA @ PRI

8/8/2012

D. Bell

Participants:

S. Parke (TMC)	A. Athey (Volvo)	R. Banas (XOM)	J. D'harte (AAM)
M. Umerley (Lz)	A. Trader (Intertek)	W. Venhoff (Lz)	L. Hamilton (Lz)
B. Koehler (SWRI)	J. Gropp (Lz)	D. Bell (Afton)	P. Kanga (XOM)
T. Boschert (Afton)	T. Marougy (Eaton)	D. Smith (Intertek)	R. Thorpe (SWRI)
Z. Bishop (TEI)	J. Clark (TMC)	T. Gottwald (Afton)	M. Holzer (SWRI)

A motion made by J. Gropp and 2nd by D. Smith was unanimously approved (8 approved) to accept Rob Banas from ExxonMobil Lubricants & Specialties as a new voting member of the OSCT Surveillance Panel.

A motion made by J. Gropp and 2nd by D. Smith was unanimously approved (8 approved) to accept the OSCT Surveillance Panel meeting minutes from 5/9/2012 that are posted on the TMC website.

There are multiple baths available at both Lz and SWRI with no known related "stand" bath problems or severity issues.

The Test Engineering Institute (TEI) has the approximate seal inventory as of July 13, 2012:

- PA345: 0 slabs
- PA346: 278 slabs, qualification data reviewed 8/9/2012 (see below)
- FL385: 0 slabs
- FL386: 178 slabs, qualification data reviewed 8/9/2012 (see below)
- NI339: 31 slabs
- NI340: 298 slabs, qualification data submitted by both labs to TMC and send to D. Bell for review at an upcoming OSCT SP teleconference.

The qualification data conducted by Lz and SWRI as compiled by the TMC for the new batch of polyacrylate, PA346 (data in Appendix), was reviewed by the Panel. The % elongation and volume change, as well as shore hardness change for PA346 in both 160-1 and 169 reference oils fell within the Shewhart acceptance bands. The new reference oil, TMC 169, results for both labs agreed very well and in some cases were the same value. A motion passed unanimously (8 approved) that was made by J. Gropp and 2nd by J. D'harte: Effective immediately approve PA346 batch for ASTM D5662 testing. TEI was instructed to release PA346 for sale as orders are received.

The qualification data conducted by Lz and SWRI as compiled by the TMC for the new batch of fluoroleastomer, FL386 (data in Appendix), was reviewed by the Panel. The % elongation and volume change, as well as shore hardness change for FL386 in both 160-1 and 169 reference oils fell within the Shewhart acceptance bands. The TMC 169 results for both labs agreed very well and in some cases were the same value. A motion passed unanimously (8 approved) that was made by J. Gropp and 2nd by T. Marougy: Effective immediately approve FL386 batch for ASTM D5662 testing. TEI was instructed to release FL386 for sale as orders are received.

A motion passed unanimously (8 approved) that was made by D. Smith and 2nd by T. Marougy to adjourn at 1:22 pm on 8/8/2012.

Appendix

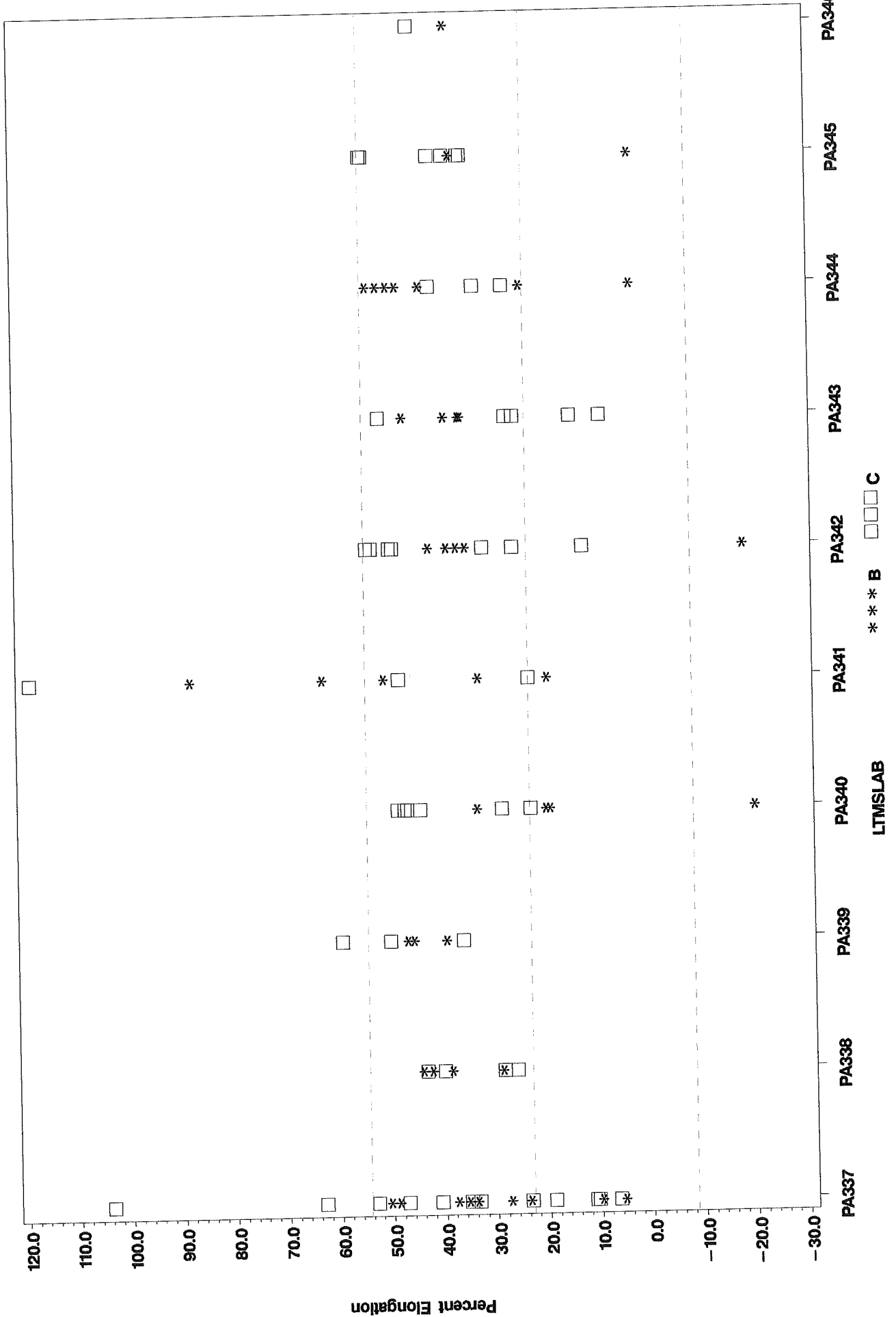
OSCT Surveillance Panel Meeting

8/8/2012

OSCT (PA)

Reference Oil 160-1 (Mean = 23.04)

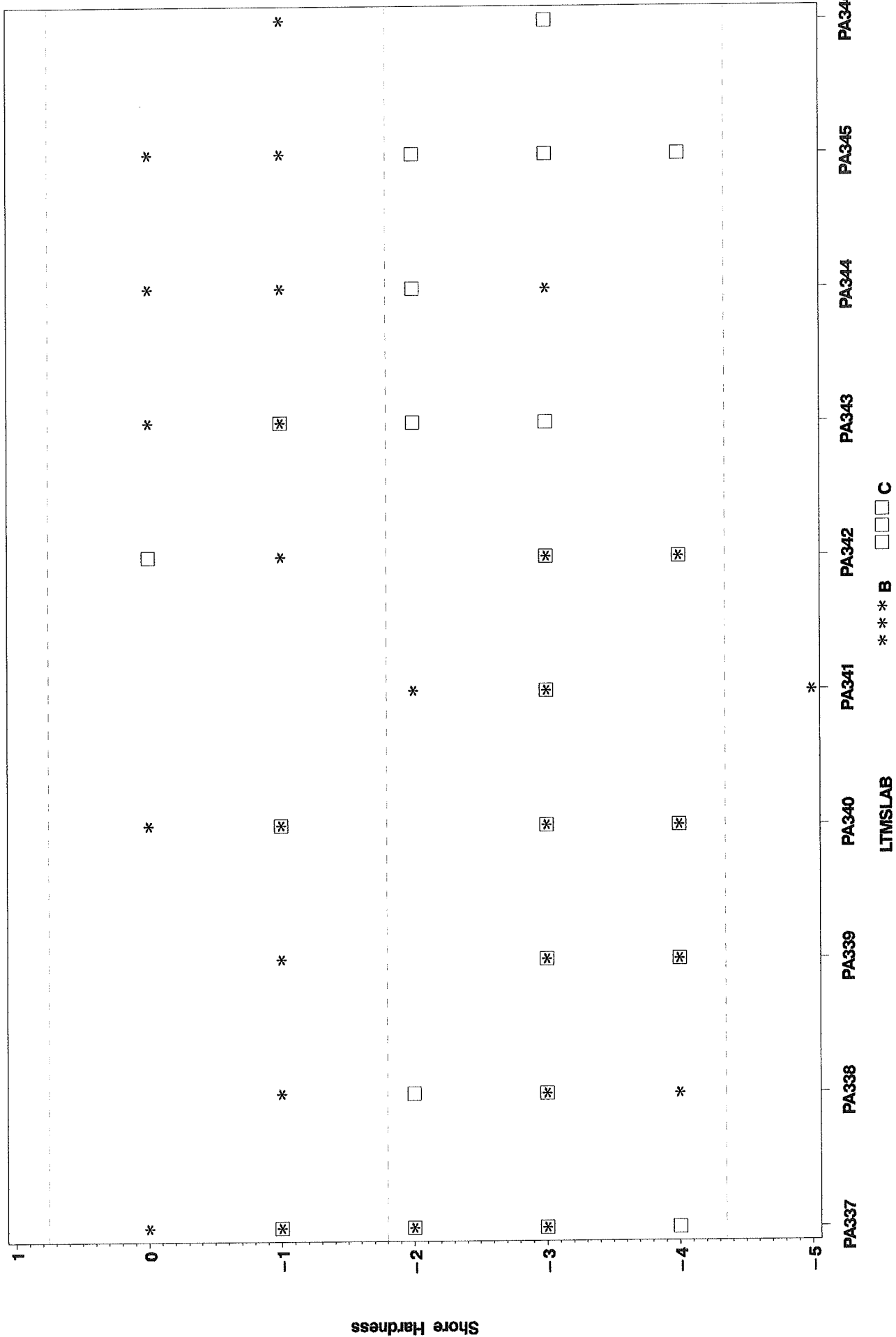
Percent Elongation Results VS Shewhart Severity Limits



OSCT (PA)

Reference Oil 160-1 (Mean = -1.8)

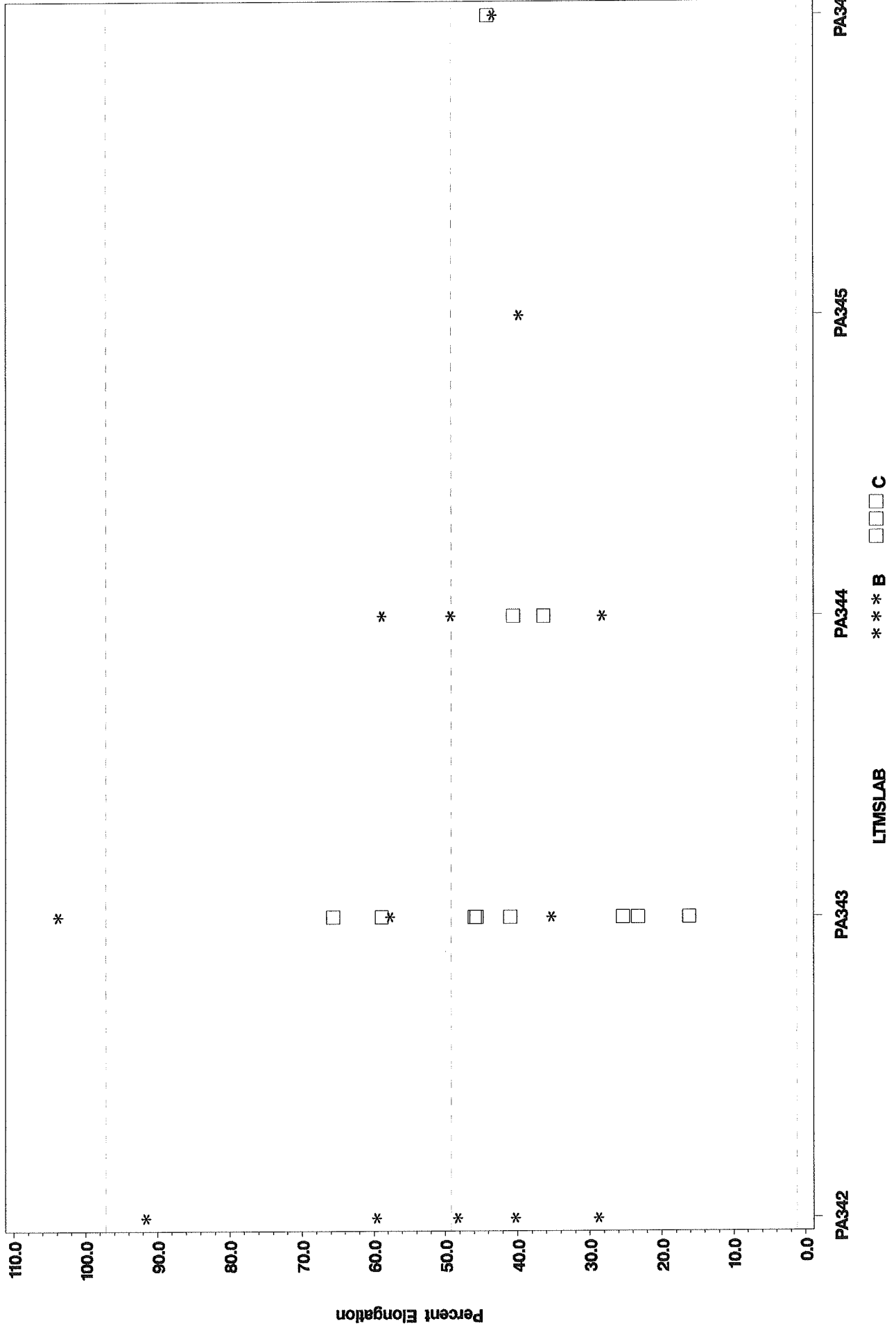
Shore Hardness Results VS Shewhart Severity Limits



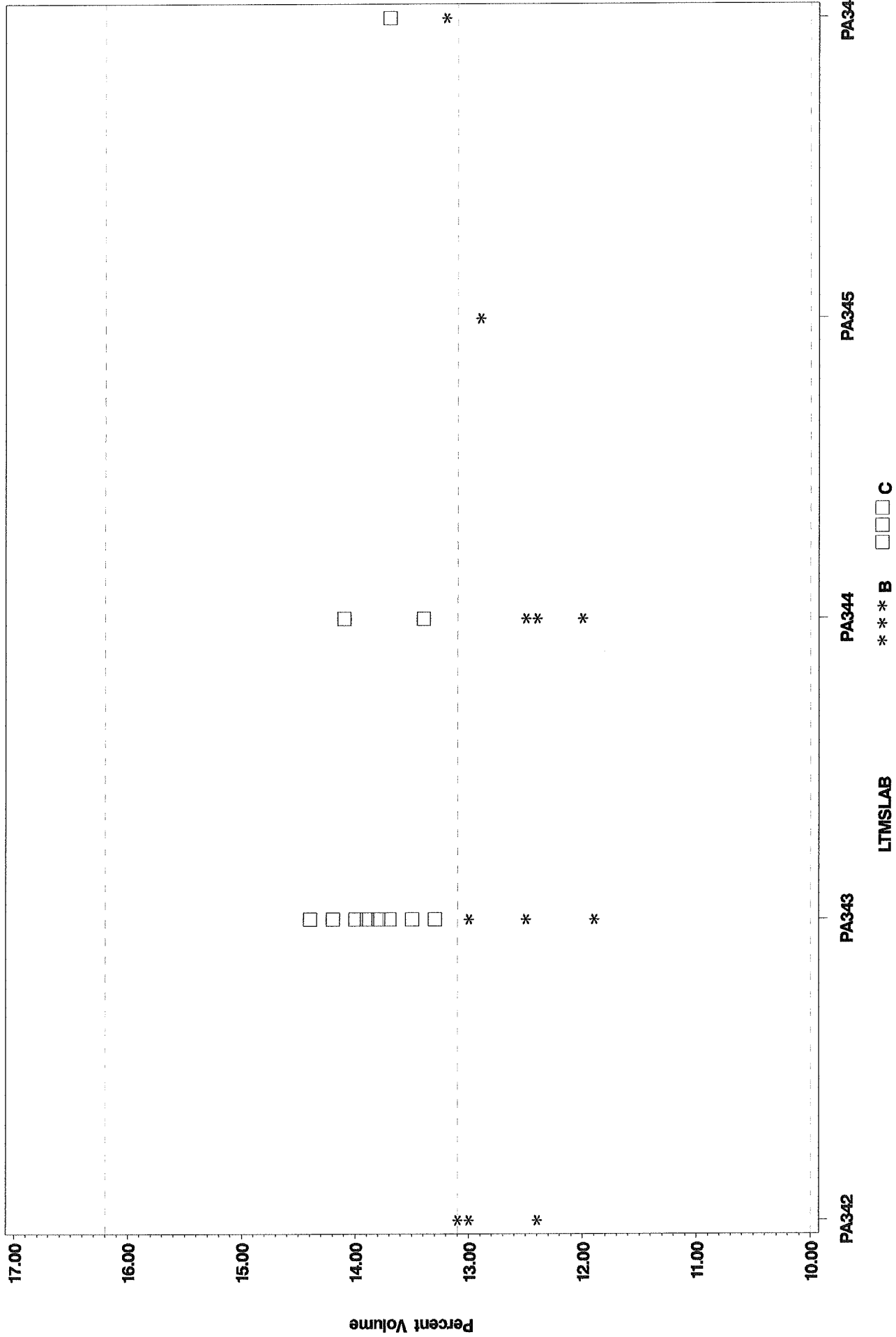
OSCT (PA)

Reference Oil 169 (Mean = 49.2)

Percent Elongation Results VS Shewhart Severity Limits



OSCT (PA)
Reference Oil 169 (Mean = 13.1)
Percent Volume Results VS Shewhart Severity Limits



PA344 PA345 PA346

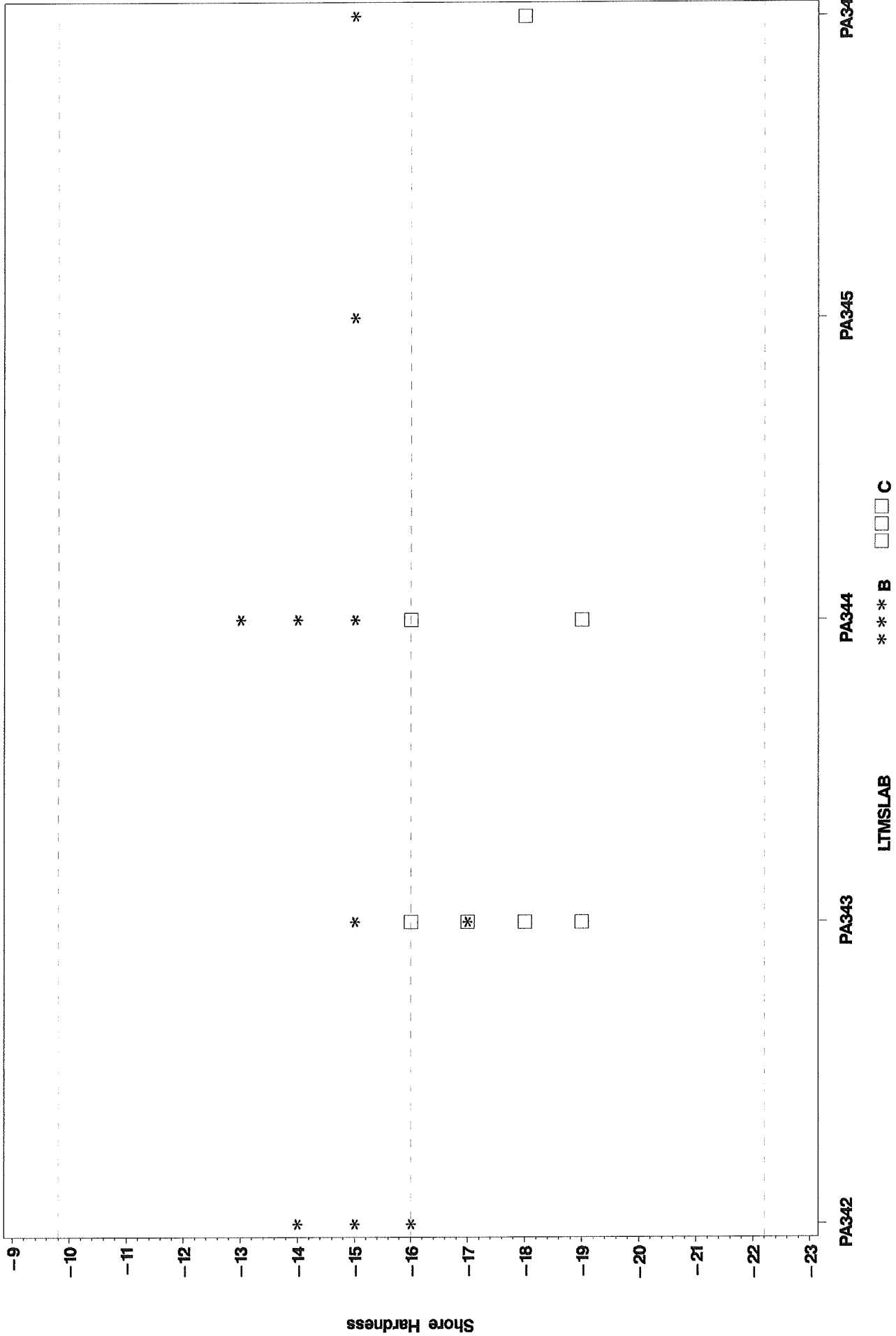
*** B ** C

LTMISLAB

OSCT (PA)

Reference Oil 169 (Mean = -16.0)

Shore Hardness Results VS Shewhart Severity Limits



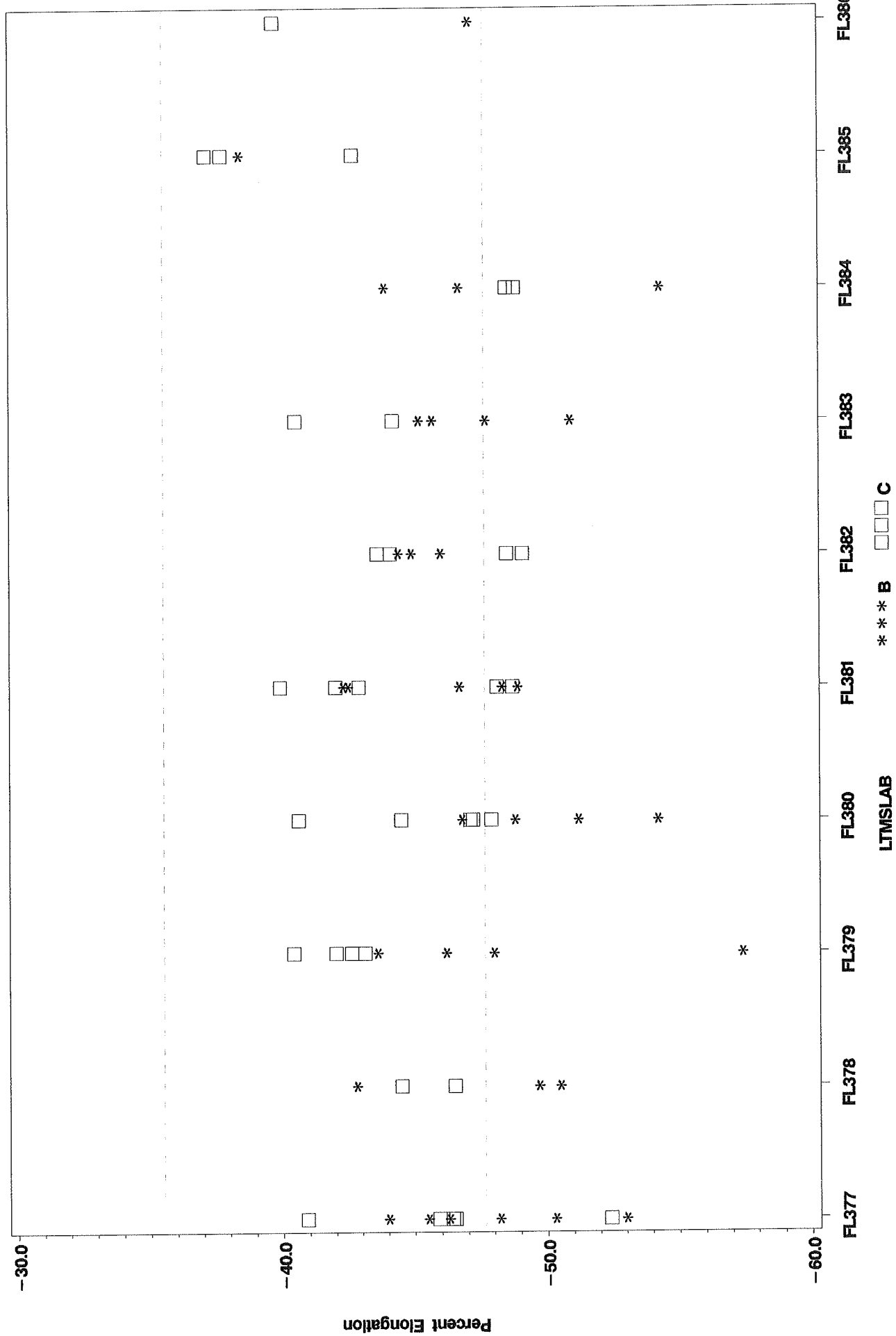
PA342 PA343 PA344 PA345 PA346

LTMSLAB *** B □ □ □ C

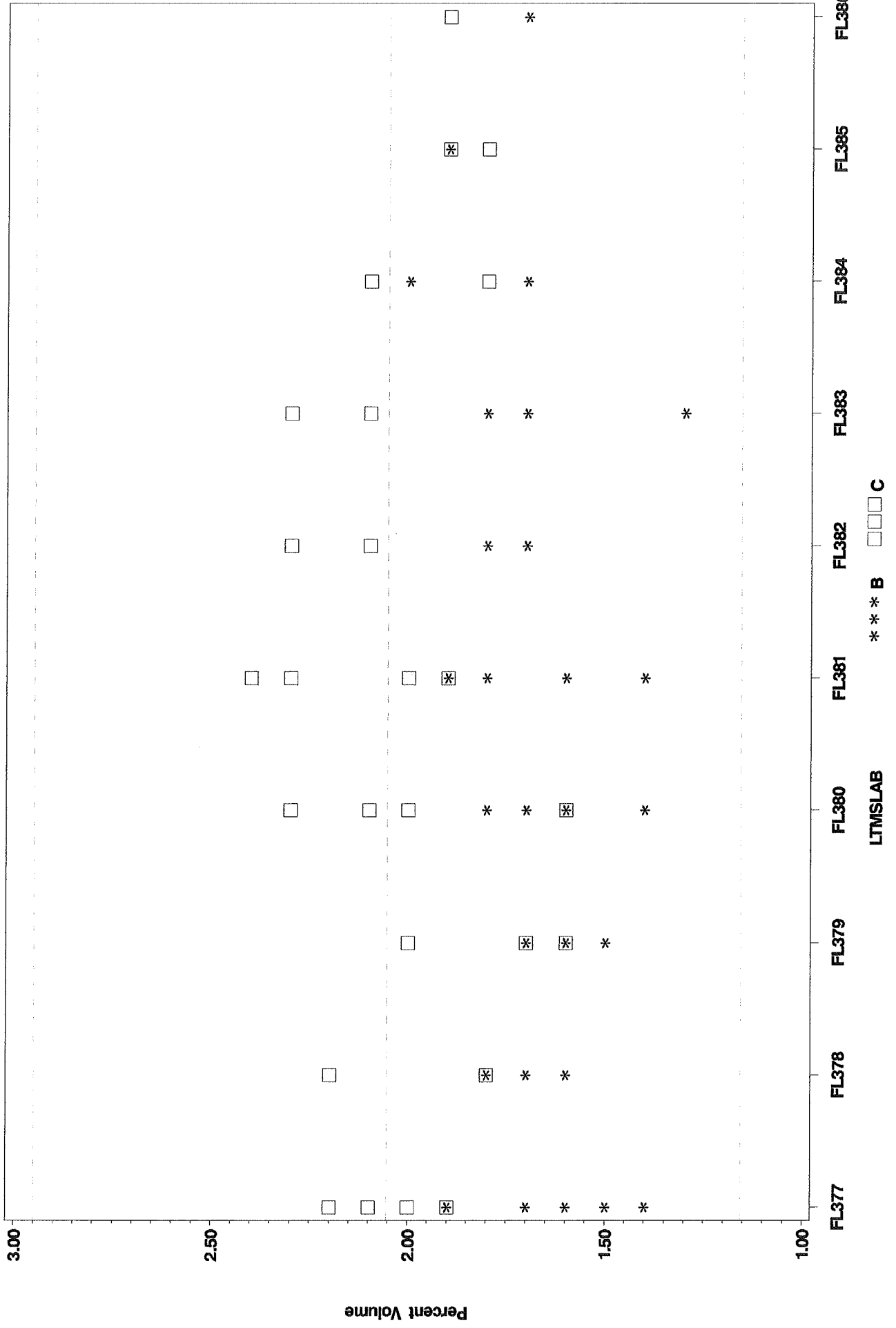
OSCT (FL)

Reference Oil 160 -1 (Mean = -47.65)

Percent Elongation Results VS Shewhart Severity Limits



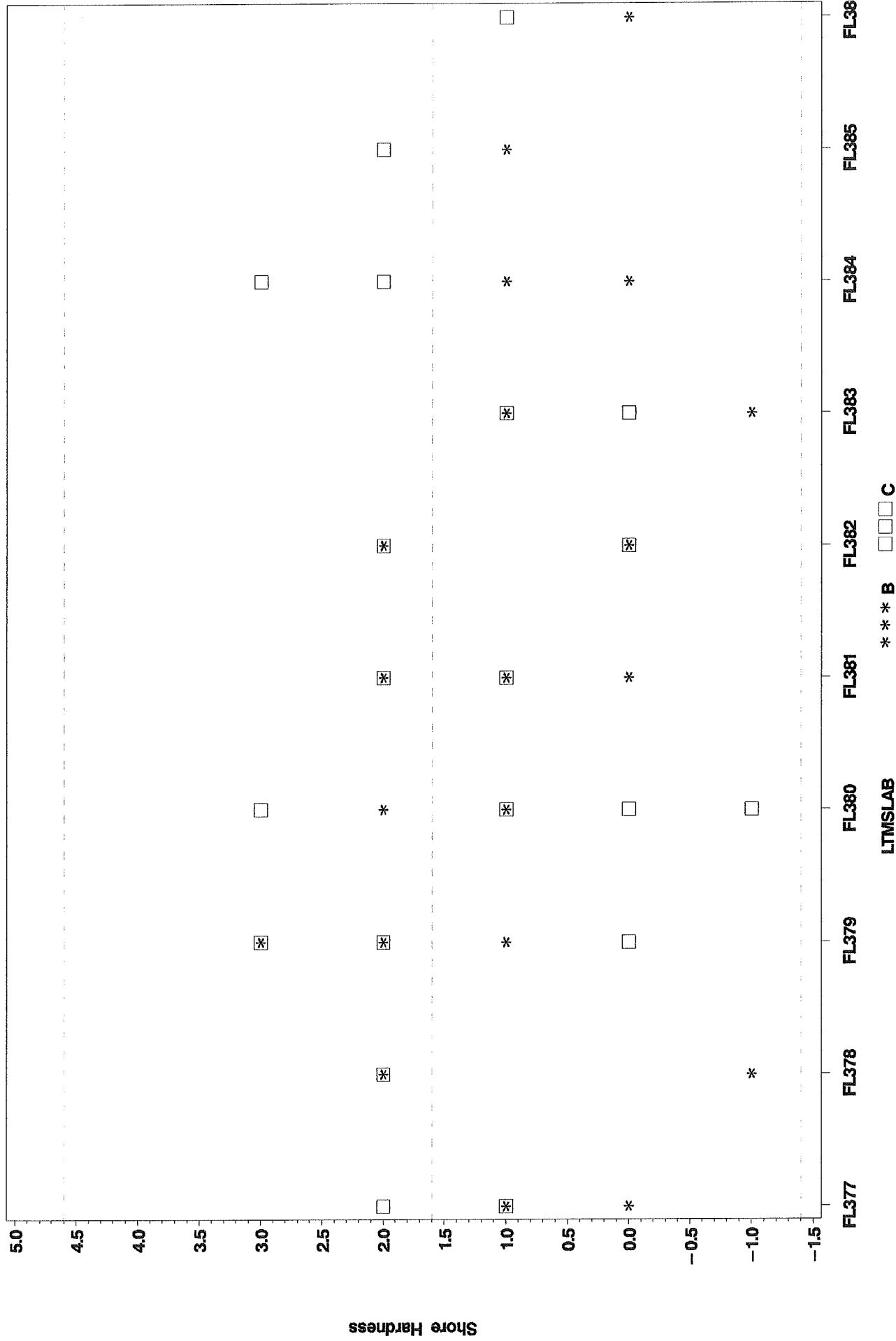
OSCT (FL)
Reference Oil 160 -1 (Mean = 2.053)
Percent Volume Results VS Shewhart Severity Limits



OSCT (FL)

Reference Oil 160-1 (Mean = 1.6)

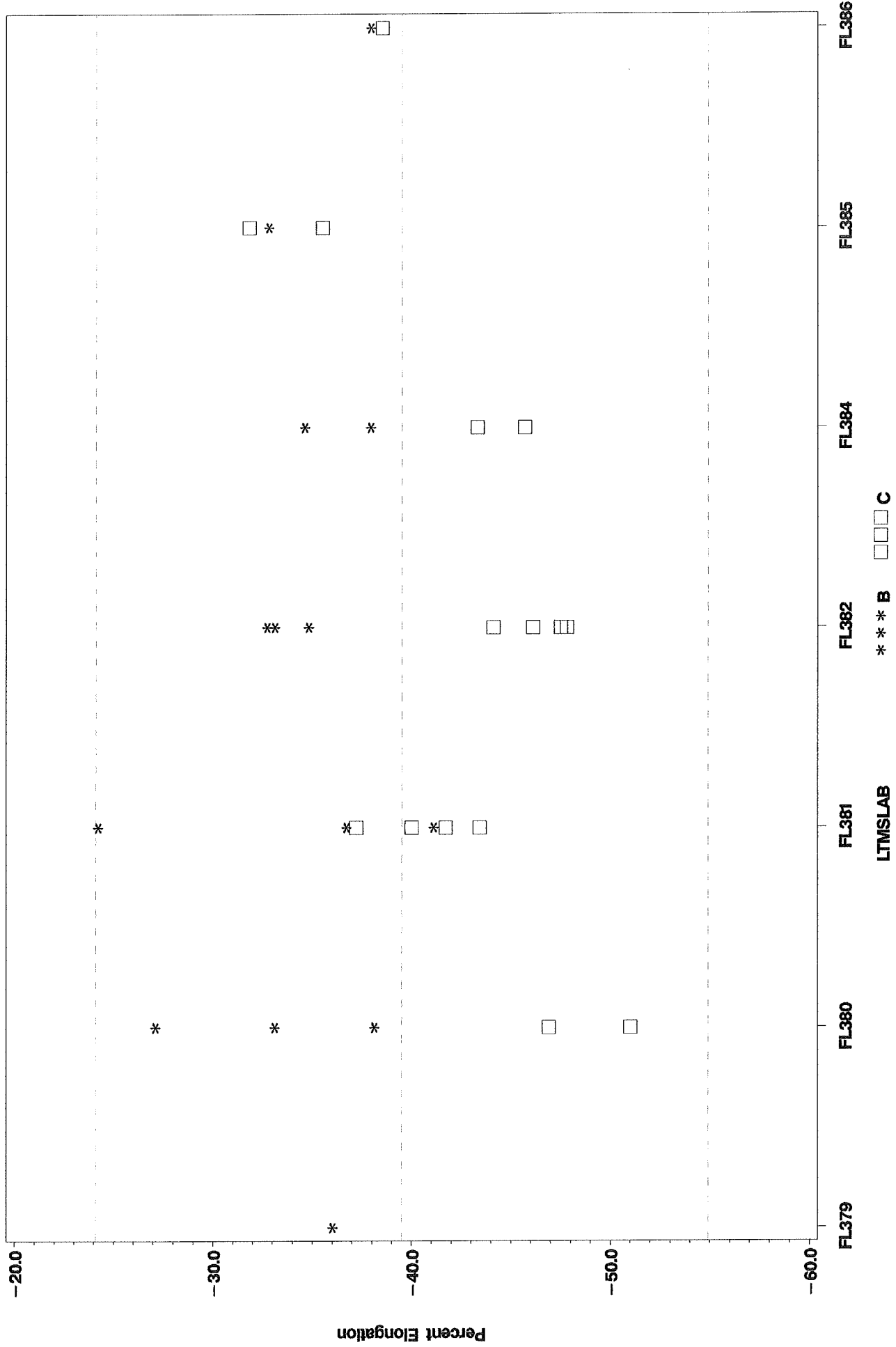
Shore Hardness Results VS Shewhart Severity Limits



OSCT (FL)

Reference Oil 169 (Mean = -39.5)

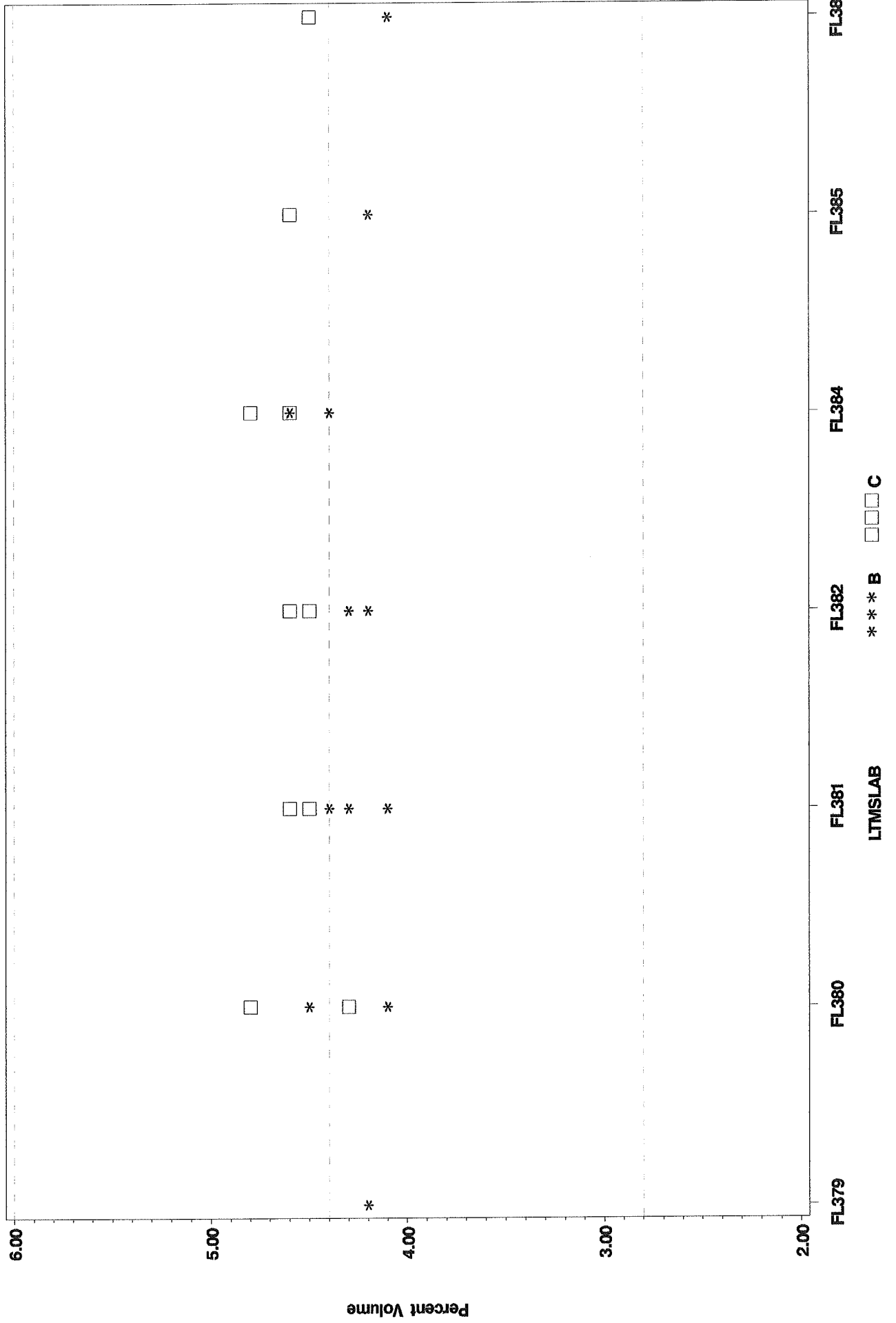
Percent Elongation Results VS Shewhart Severity Limits



OSCT (FL)

Reference Oil 169 (Mean = 4.4)

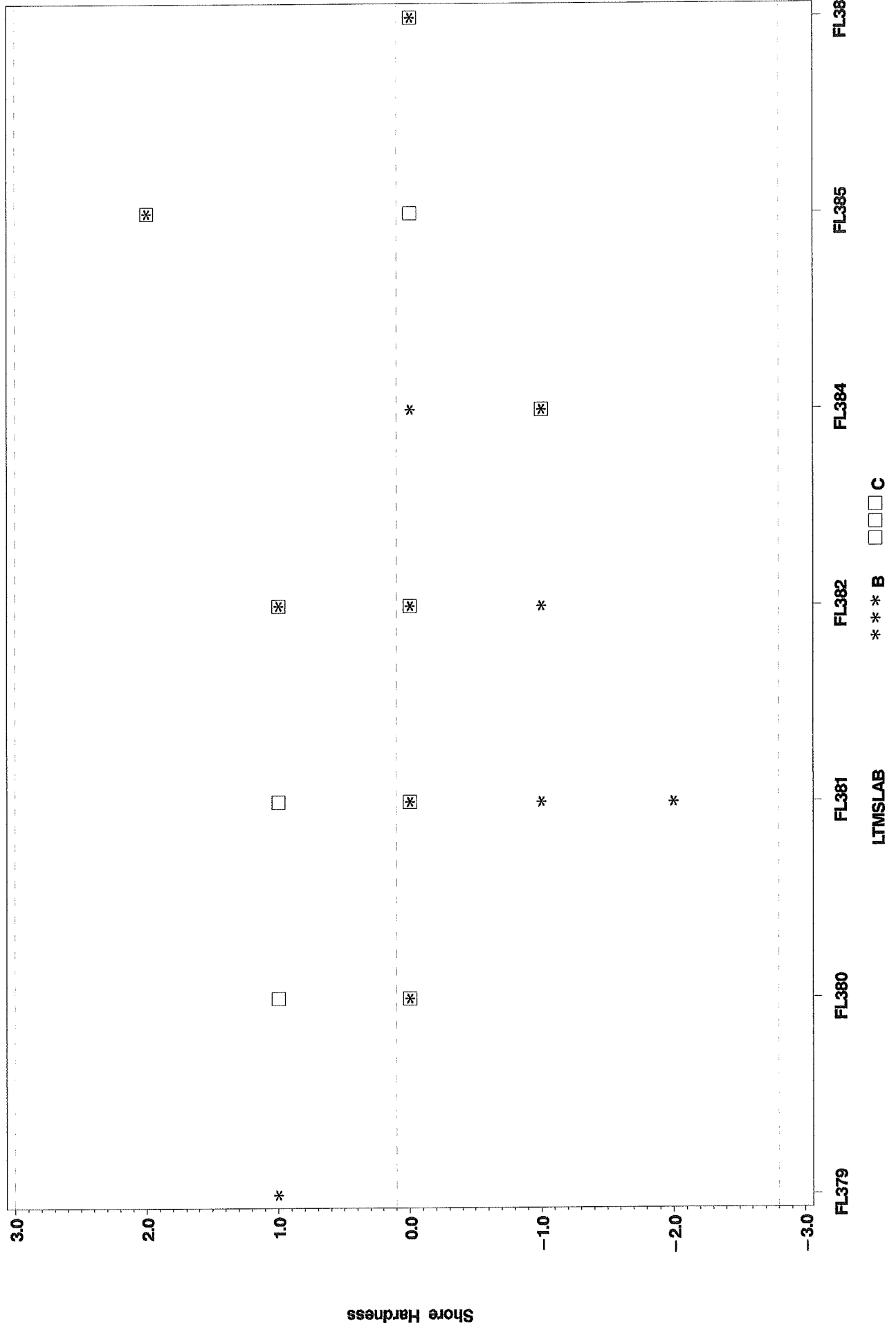
Percent Volume Results VS Shewhart Severity Limits



OSCT (FL)

Reference Oil 169 (Mean = 0.1)

Shore Hardness Results VS Shewhart Severity Limits



OIL SEAL COMPATIBILITY SURVEILLANCE PANEL







Date: August 8, 2012

Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
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OIL SEAL COMPATIBILITY SURVEILLANCE PANEL

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Initials	V = Voting NV = Non-voting	Name	Company & Address	Phone / FAX / e-Mail
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